

SPECIAL NEEDS CHILDREN
ONBOARDING MANAGEMENT SYSTEM

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Bachelor of Degree

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SPECIAL NEEDS CHILDREN
ONBOARDING MANAGEMENT SYSTEM

NURIN IMAN BINTI MOHAMMAD AZMI

Thesis submitted in fulfillment of the requirements
for the award of the degree of
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ABSTRAK

Little Ones Eduworld (LOE), sebuah pusat terapi dan pembelajaran untuk kanak-kanak berkeperluan khas, organisasi ini memerlukan Sistem Pengurusan Onboarding Kanak-Kanak Berkeperluan Khas. Hal ini kerana, prosedur onboarding manual di LOE mempunyai beberapa kelonggaran seperti memakan masa, terdedah kepada salah faham dan kehilangan atau kerosakan dokumen. Projek ini menggunakan rangka kerja Laravel untuk menyelesaikan kebimbangan ini dan membina sistem yang berkesan dan automatik. Matlamat termasuk menganalisis sistem semasa, membangunkan Sistem Pengurusan Onboarding Kanak-kanak Berkeperluan Khas, dan menilai fungsinya. Bab pertama menekankan keperluan untuk sistem pengurusan induksi yang dipertingkatkan dengan menonjolkan kesukaran yang berkaitan dengan proses manual. Bab kedua mengkaji kepentingan sistem sedemikian untuk individu berkeperluan khas dengan membandingkan system yang sedia ada. Bab ini menganalisis tiga sistem pengurusan onboarding yang digunakan dalam konteks lain. Disebabkan persamaan mereka, pendekatan manual dan sistem Pengurusan Onboarding Pekerja—SentricHR, Zoho dan ClearCompany dipilih untuk dibandingkan. Sistem projek yang dicadangkan juga diterangkan, dibandingkan dan dianalisis bersempena dengan system yang sedia ada yang lain. Bab ini juga membandingkan sistem sedia ada untuk membina Sistem Pengurusan Onboarding Kanak-Kanak Berkeperluan Khas yang baik. Selain itu, bab ini juga memberi penerangan tentang pengurusan onboarding dan membantu memilih kaedah dan alatan yang sesuai untuk projek yang dicadangkan iaitu Sistem Pengurusan Onboarding Kanak-kanak Berkeperluan Khas. Bab ketiga menerangkan metodologi, bab ini menumpukan pada reka bentuk yang dicadangkan melalui beberapa rajah dan menggunakan pakai rangka kerja scrum tangkas sebagai kitaran hayat pembangunan perisian (Software Development Lifecycle). Rangka kerja scrum tangkas digunakan kerana ia menyokong pembangunan dan pelarasan pantas. Manakala bab keempat pula mengkaji pelaksanaan dan ujian sistem, membentangkan keputusan dan perbincangan daripada ujian kebolehterimaan pengguna. Sepuluh modul merangkumi Sistem Pengurusan Onboarding Kanak-Kanak Berkeperluan Khas ini. Pembangunan sistem ini menggunakan Laravel, XAMPP, Mailtrap dan MySQL. Bab ini juga membincangkan keputusan ujian penerimaan pengguna dan ulasan pihak berkeperluan. Bab 4 menunjukkan bahawa sistem berfungsi dengan berkesan, tetapi system ini memerlukan peningkatan dan penambahbaikan. Akhir sekali, bab 5 membincangkan kekangan dan potensi kemajuan. Sistem Pengurusan Penyertaan Kanak-kanak Berkeperluan Khas ialah penyelesaian berharga yang meningkatkan kecekapan dan pengurusan keseluruhan LOE. Projek ini secara berkesan melaksanakan rangka kerja scrum tangkas, menunjukkan potensi pengembangan dan pembangunannya.

ABSTRACT

Little Ones Eduworld (LOE), a therapy and learning centre for special needs children, requires a Special Needs Children Onboarding Management System. The manual onboarding procedure at LOE is time-consuming, prone to misunderstandings, and causes the loss or damage of documents. The project employs the Laravel framework to resolve these concerns and build an effective and automated system. The goals include analyzing the current system, developing the Special Needs Children Onboarding Management System, and assessing its functionality. The first chapter emphasizes the need for an enhanced induction management system by highlighting the difficulties associated with the manual process. The second chapter examines the significance of such a system for individuals with special needs by comparing existing systems. The chapter analyzes three onboarding management systems used in other contexts. Due to their similarities, the manual approach and Employee Onboarding Management systems—SentricHR, Zoho, and ClearCompany are compared. The proposed project's systems are described, compared, and analyzed. This chapter compares existing systems to establish a good Special Needs Children Onboarding Management System. It sheds light on onboarding management and helps choose the proper methods and tools for the project. The third chapter describes the methodology, concentrating on the proposed design through several diagrams and adopting the agile scrum framework. The agile scrum framework is used because it supports rapid development and adjustments. The fourth chapter examines the system's implementation and testing, presenting the results and discussions from user acceptability testing. Ten modules cover onboarding management. The system development uses Laravel, XAMPP, Mailtrap and MySQL. The chapter also discusses user acceptance testing results and stakeholder comments. Chapter 4 shows that the system works effectively, but it needs upgrades. Lastly, chapter 5 discusses constraints and potential progress. The Special Needs Children Onboarding Management System is a valuable solution that improves LOE's overall efficiency and management. The project effectively implements the agile scrum framework, demonstrating its expansion and development potential.

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LIST OF SYMBOLS

None.

LIST OF ABBREVIATIONS

LOE	Little Ones Eduworld
UAT	User Acceptance Test
PDPA	Personal Data Protection Act 2010
OT	Occupational Therapy
M1	Pre-screening Test
M3	Parent Initial Info
P1	Perjumpaan Pertama (First Meeting)
P2	Perjumpaan Kedua (Second Meeting)
UNICEF	United Nations International Children's Emergency Fund
ADHD	Attention Deficit Hyperactivity Disorder
USA	United State of America
Inc,	Incorporated
SDN BHD	Sendirian Berhad
IEP	Individualized Education Plan
GARS-2	Gilliam Autism Rating Scale
DDST II	Denver Developmental Screening Test
SSP	Short Sensor Profile
IDE	Integrated Development Environment
PHP	Hypertext Preprocessor
MySQL	My Structured Query Language
HR	Human Resources
ACA	Accelerated Capital Allowance
HRMS	Human Resources Management System
MCO	Movement Control Order
COVID-19	Corona Virus Disease 2019
SDLC	Software Development Lifecycle
PK	Primary Key
FK	Foreign Key
MVC	Model View Controller
HTML	HyperText Markup Language
CSS	Cascading Style Sheets

CHAPTER 1

INTRODUCTION

1.1 Introduction

Children are the pillar of hope for the country's aspirations for the future. Children are an essential asset to the development and will inherit the country's leadership (*Kanak-kanak Aset Penting Bangunkan Negara*, 2018). Therefore, parents need to work hard to build their children's potential by giving them the best education so that they can evaluate something, whether it is good or otherwise (mt961013, 2018). This shows that education is critical in the foundation of the formation of intellectual children. According to Preston et al. (1996), quality education is very effective in fighting poverty, building democracy, and forming a prosperous society. This is no exception for special children because they also play an important role in the nation. According to a study by UNICEF Malaysia (2018), 10% of respondents think that children with disabilities do not need to go to school. This matter is unreasonable and should be resolved because every child has the right to education. However, the educational approach for children with disabilities may be slightly different compared to other normal children. This is because, according to a UNICEF Malaysia study (2018), more than 70% think that children with mental disabilities should not be in the same schools as children without disabilities.

Therefore, a centre called Little One Eduworld (LOE) was established. LOE is a centre that offers therapy and learning programmes for special needs children such as dyslexia, Attention Deficit Hyperactivity Disorder (ADHD) and speech delay. This centre is vital to cater to special children's needs in providing education. Therefore, LOE requires a system that can facilitate the management of onboarding and monitoring of the child's development. The Onboarding Management system is an improved approach to acquainting students with the institution or therapy centre, the processes, and the requirements they would need to satisfy to have a better overall experience as a student (Alban, 2022). LOE has done this process manually, which is no longer appropriate

nowadays. It will cause various problems, such as being time-consuming, misunderstandings, miscommunication, and many more. Even worse, these issues can diminish the quality of management and the reputation of LOE. Hence, this project, Special Needs Children Onboarding Management System, is a system that will replace the manual process to assist the LOE staff and parents in managing the onboarding process for new students more efficiently.

1.2 Problem Statement

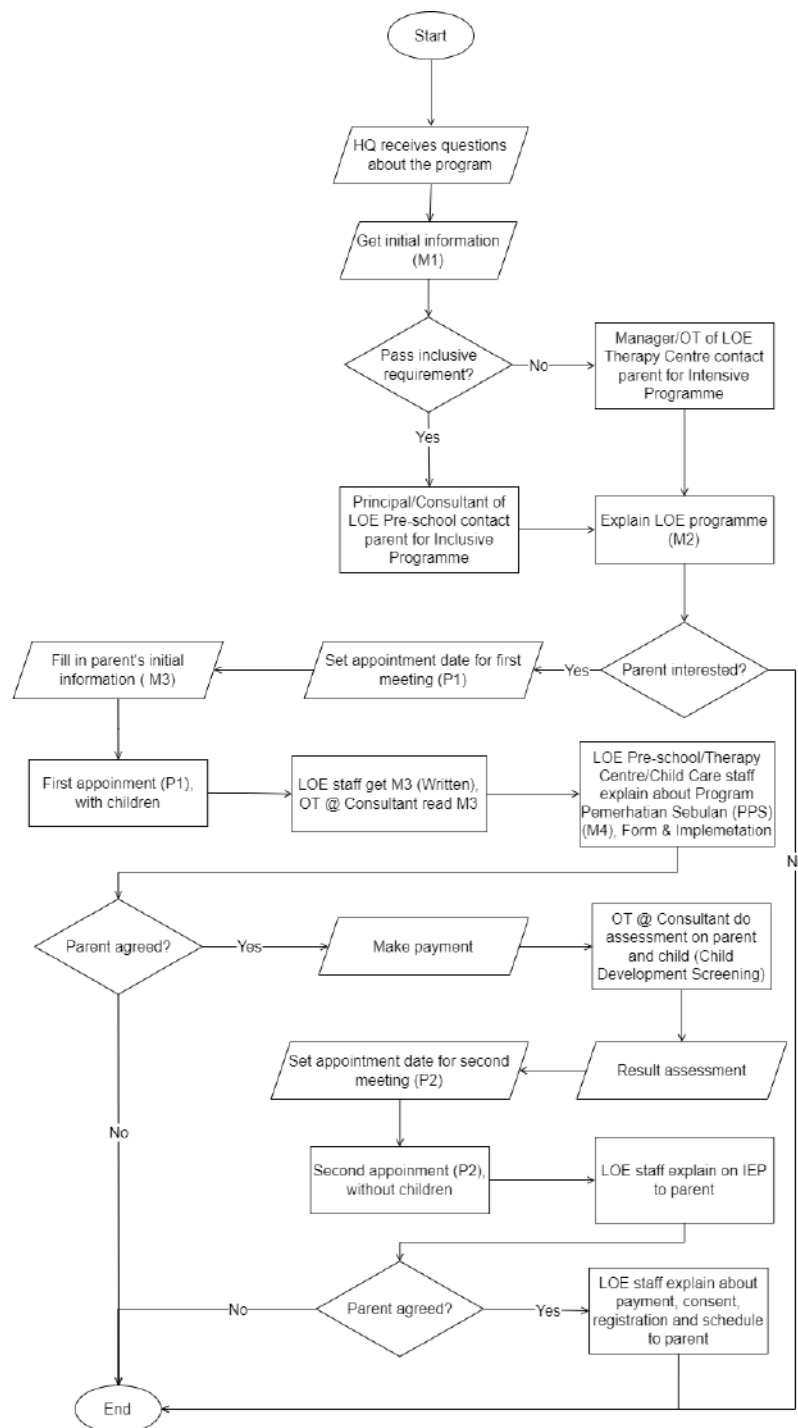


Figure 1.2.1: Flowchart of the onboarding management manual process

Onboarding Management System is essential for a therapy centre like the LOE centre to ensure that these special needs children can familiarize themselves with the learning environment at the centre, and the LOE staff can make observations and

assessments of the children. However, the manual approach of LOE's onboarding management process presents some issues. Figure 1.2.1 shows a flowchart of the onboarding manual process.

Among the problems encountered during the manual process carried out by LOE is that it is very time-consuming to manage to onboard manually because the number of new student admission applications to the centre annually is numerous and unpredictable. In addition, there is a lot of paperwork to be managed, which will make finding the necessary documents difficult when time is pressed. Because of that, parents will not be able to receive the latest information from the LOE centre.

Next, the occurrence of misunderstanding and miscommunication in understanding the writing on the paper. The survey of 2,000 Americans, conducted by OnePoll on behalf of Bic USA Inc., also found that the average respondent had experienced in their working life where their handwriting led to miscommunication (Sadlier, 2019). This can affect the observation of special needs children to a satisfactory level due to misunderstandings in reading the description of the needs of special students.

In addition, the use of paper during getting initial information (M1), initial information for parents for the first meeting (M3) and the first-month observation program (P1) often happens missing and damaged. This can prevent the management process of students to the next level. Therefore, the occurrence of delays and the onboarding processes are interrupted. This negligence significantly impacts the monitoring process and the development of special needs children at the centre.

Also, these can cause neglect of management during the process happens. Thus, the Special Needs Children Onboarding Management System will help them to store, secure and manage the data efficiently. Besides, the users can easily track the needed documents by searching them in the system. Furthermore, the system shall generate reports quickly for the user. In conclusion, this system gives a lot of benefits to the users to work more seamlessly and simultaneously reduce paper usage to save the environment.

1.3 Objective

The objective of this project are:

- i. To study the existing system related to Special Needs Children Onboarding Management System.
- ii. To develop a Special Needs Children Onboarding Management System using the Laravel framework.
- iii. To evaluate the functionality of the Special Needs Children Onboarding Management System.

1.4 Scope

The scope of this project are listed as below:

- i. User scope:
 - a. Admin
 - b. LOE staff (Principal/Managers)
 - c. Parent
 - d. Consultant
 - e. Occupational Therapy (OT)
- ii. Features:
 - a. Admin:
 - i. Login
 - ii. Manage user system
 - iii. Manage pre-screening
 - iv. Manage parent initial info (M3)
 - v. Manage appointment

- vi. Manage report
- b. LOE staff (Principal/Managers):
 - i. Login
 - ii. Manage pre-screening
 - iii. Manage appointment
 - iv. Manage report
- c. Parent:
 - i. Register
 - ii. Login
 - iii. Manage profile
 - iv. Manage pre-screening
 - v. Manage appointment
 - vi. Manage payment
 - vii. Manage parent initial info (M3)
 - viii. Manage report
- d. Consultant
 - i. Login
 - ii. Manage child development screening, Gilliam Autism Rating Scale (GARS-2). (will be redirected to an external system named Child Developmental Screening Test & Progress Monitoring System)
 - iii. Manage report

- e. Occupational Therapy (OT)
 - i. Login
 - ii. Manage pre-screening
 - iii. Manage child Individualized Education Plan (IEP)
 - iv. Manage child development screening, Denver Developmental Screening Test (DDST II), Short Sensor Profile (SSP). (will be redirected to an external system named Child Developmental Screening Test & Progress Monitoring System)
 - v. Manage report
- iii. Hardware:
 - a. Monitor
 - b. Keyboard
 - c. Mouse
 - d. 4GB RAM
 - e. Intel core i5 processor
- iv. Software:
 - a. Framework: Laravel
 - b. Integrated Development Environment (IDE): Visual Code
 - c. Language: PHP, HTML, CSS, JavaScript
 - d. Database: MySQL
 - e. Version control: Git Hub

1.5 Thesis Organization

This thesis consists of five chapters. Chapter 1 discusses the introduction of the project. Chapter 2 generally explains the literature review and comparison with the existing system. Next, chapter 3 discusses the methodology that is used for the project and describes project's requirement through proposed design such as Context Diagram, Use Case Diagram, Activity Diagram, and flowchart. Then, chapter 4 shall explain the implementation and testing of the system. Lastly, chapter 5 will conclude all the chapters and provide some recommendations.

CHAPTER 2

LITERATURE REVIEW

2.1 Introduction

The onboarding management system is essential, particularly for children with special needs who wish to acquire an education. This approach can evaluate these special needs children and assist them in adapting to an appropriate educational setting. Consequently, parents play a significant role in the growth of these children by giving them the necessary education to assess their children's abilities. In addition, experts, such as occupational therapists and consultants, are also required to observe and evaluate the children to receive an appropriate education. Traditional working methods and several similar systems exist to facilitate onboarding management. However, since open-source onboarding management systems for special needs children are not yet widely available, comparison resources are limited. Therefore, since the Employee Onboarding Management system has almost the same characteristics as the proposed system, a decision has been taken to use the Employee Onboarding Management system as a comparison.

Thus, this chapter will define the manual approach and three existing onboarding management systems: the SentricHR Employee Onboarding Software, Zoho Employee Onboarding system and ClearCompany Employee Onboarding Software. It consists of descriptions and comparisons of the project and existing systems. This chapter also explains the advantages, disadvantages, techniques, methods, tools and technologies that can be adapted to the project.

2.2 Existing Systems/Works

2.2.1 Manual approach



KEPUTUSAN PENILAIAN DAN PEMERHATIAN ANAK PERLU BANTUAN (APB)

NAMA ANAK:	TARIKH LAHIR: 19 SEPTEMBER 2017
TARIKH PENILAIAN: 1st MAC 2022 UMUR SEMASA PENILAIAN STANDARD: 4 Tahun 5 Bulan 12 Hari MULA PEMERHATIAN: 16 Mac 2021	NAMA PENILAI: Psychologist Ummi Wan Roslina OT Syim Konsultan Jue Penyelia Ira
KEPUTUSAN DDST II: Penilaian dibuat pada 1 st Mac 2022 Umur masa dinilai: 4 Tahun 5 Bulan 12 Hari i. Kemahiran Sosial-Kendiri Umur perkembangan: 4 Tahun Anak belum pandai bermain permainan berbentuk kad ii. Kemahiran Motor Halus Umur perkembangan: 3 Tahun 3 Bulan Anak mempunyai masalah melukis bentuk 'o'.	KEPUTUSAN SSP: Penilaian dibuat pada 22 Mac 2022 i. Kurang Tenaga/Lemah: Pasti Berbeza Mempunyai genggam tangan yang lemah. ii. Penapisan Pendengaran: Perbezaan yang Mungkin Kelihatan seperti tidak mendengar apa yang anda cakap. iii. Kepekaan Visual/Pendengaran: Perbezaan yang Mungkin Menutupi mata atau mengecilkan mata untuk melindungi mata daripada cahaya. Keseluruhan: Kemahiran sensori Anas adalah di tahap Perbuatan Biasa namun dia masih mempunyai sedikit masalah isu seperti di atas.
KEPUTUSAN GARS-2: Penilaian ini tidak dijalankan kerana belum sesuai dengan tahap perkembangan semasa APB.	KEPUTUSAN SHS: Penilaian ini tidak dijalankan kerana belum sesuai dengan tahap perkembangan semasa APB.
KEPUTUSAN BVMP: Penilaian ini tidak dijalankan kerana belum sesuai dengan tahap perkembangan semasa APB.	PEMERHATIAN TINGKAH LAKU: Anak tiada masalah tingkah laku baik di dalam kelas atau di luar kelas.
ULASAN MENYELURUH: 1. Anak mempunyai masalah kurang tenaga/lemah. 2. Anak mempunyai masalah dalam penapisan pendengaran. 3. Anak mempunyai masalah dalam kepekaan visual/pendengaran. 4. Anak mempunyai masalah dalam kemahiran sosial-kendiri(belum pandai bermain permainan berbentuk kad) 5. Anak mempunyai masalah dalam kemahiran motor halus (anak mempunyai masalah melukis bentuk 'o').	

1

Figure 2.2.1: Assessment result and observation of APB

Little Ones Eduworld currently manage special needs children onboarding manually. The parent, LOE staff, Occupational Therapy and Consultant need to manually fill in all the form by handwriting and type it on the computer using Microsoft Word. They are flexible in writing it in English or Malay as long as it is understandable. Figure 2.2.1

shows the result of the child development screening process. The user needs to key in all the information, such as the children’s name, DDST II result, SSP result etc., on their own. There are some advantages when managing the onboarding manually, such as giving it much more comfortable for the computer illiterate to manage it and flexibility to write or draw in it. On the other hand, there are some disadvantages to managing it manually, such as difficulty finding certain documents and a lot of paper usage because the document needs to print out to get the parent’s signature.

2.2.2 System A [SentricHR Employee Onboarding Software]

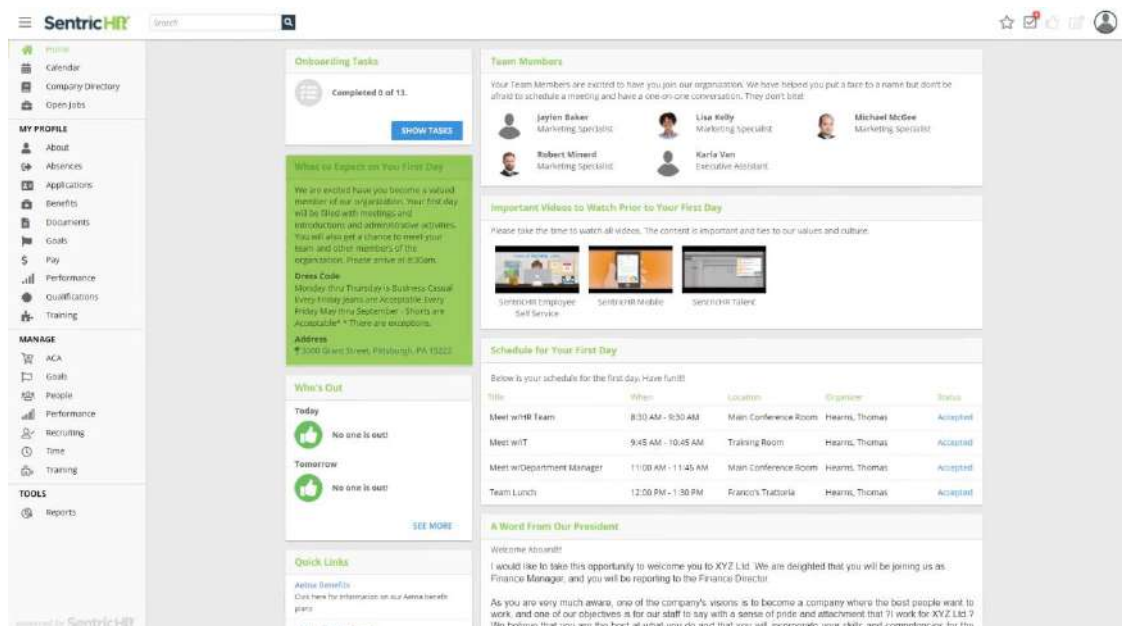


Figure 2.2.2: SentricHR Employee Onboarding Software

SentricHR developed an onboarding system named Employee Onboarding System (as shown in Figure 2.2.2). This software is used to monitor the development of new employees and improve their skills. And it is similar to the proposed system, where the Special Needs Children Onboarding Management System is used to see the development of the children and improve their abilities by going through several assessments and therapies. This SentricHR software avoids redundant data entry and fills in blanks with information already on file for the user. In addition, electronic forms and E-SIGN-compliant signatures allow recruits to sign important papers before entering the office. It can be done anywhere because this system can be accessed by smartphone. This software replaces stacks of paper records with digital files to make employee onboarding

more efficient, accurate, and compliant. Also, it enables new employees to digitally meet their team members to increase employee engagement (SentriHR, 2022). However, the language provided is limited to English, and some of the software features are not user-friendly (Matchr, 2022).

2.2.3 System B [Zoho Employee Onboarding System]

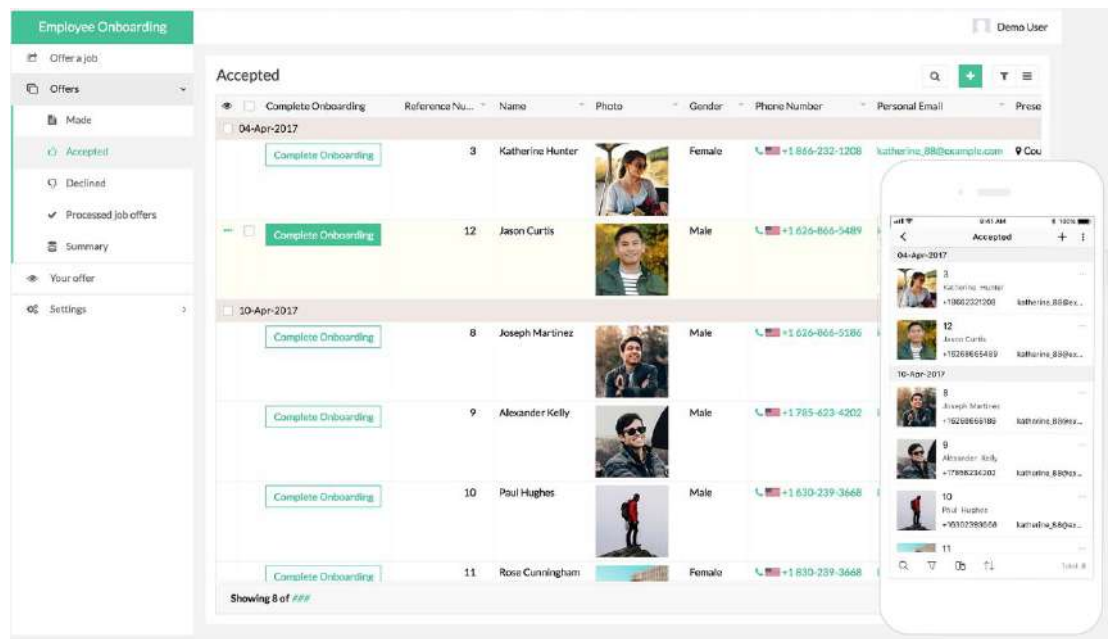


Figure 2.2.3: Zoho Employee Onboarding System

Zoho Employee Onboarding System (as shown in Figure 2.2.3) is very special because it comes with a mobile application. So, it is easy for them to access the system everywhere. The digital onboarding procedure directs candidate communications and quickens their transfer into new roles. This online employee onboarding programme is fully customizable, which is the finest feature. Zoho Employee Onboarding System is also integrated with many tools to create a seamless flow. This system can also customize the portal to suit users' needs. This system provides many exciting features, such as an automated hiring process, auto notification, and electronically signing forms. However, some features need to be enhanced, especially the system's performance.

2.2.4 System C [ClearCompany Employee Onboarding Software]

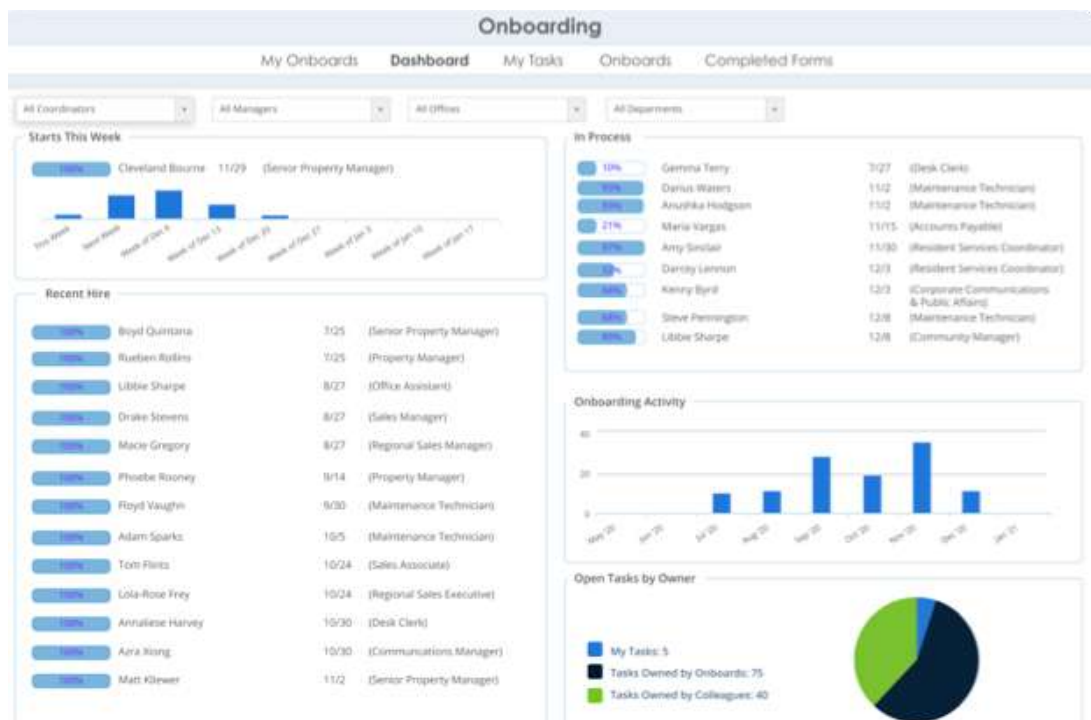


Figure 2.2.4: ClearCompany Employee Onboarding Software

ClearCompany develops Employee Onboarding Software (as shown in Figure 2.2.4) that provides a user-friendly option for tracking applicants. As a result of integrating the assessment and recruiting procedures into a single platform, candidate screening will now be considerably less time-consuming. In addition, the system provides solutions for keeping employees' documents safe and secure while making them easily accessible. The automated processes allow employees to keep track of new hire paperwork and collect it. This may be accomplished through the use of user-friendly and smart forms. Because it is so intelligent, employees do not need to repeatedly enter the information that an employee has already supplied in the past. ClearCompany Employee Onboarding Software, on the other hand, will pre-fill the data for employees, validate it, and precisely format it (ClearCompany Reviews, 2021).

2.3 Analysis / Comparison of Existing System

2.3.1 Analysis of comparison on existing system

Table 2.3.1: Analysis of comparison on existing system

Features/Systems	Manual approach	SentricHR Employee Onboarding Software	Zoho Employee Onboarding system	ClearCompany Employee Onboarding Software
Tools/Technology used	Microsoft Word	Accelerated Capital Allowance (ACA)	Not mentioned	Not mentioned
Language	Malay/English	English	English	English

Accessed platform	Paper / Word processing software	Smartphone PC/Desktop Laptop Tablet	Web based & Mobile apps, Smartphone PC/Desktop Laptop	Web based, PC/Desktop
Integrates	-	Payroll system HR software Etc.	HRMS Payroll system Etc.	Paycom Kronos Workday Etc.

Technique/Method		Typing/Write	Not mentioned	Not mentioned	Not mentioned
Features	Childs/Employee Info	/	/	/	/
		Child info such as name and date of birth	Employee info such as name, email, phone number and position	Employee info such as name, email, phone number and position	Employee info such as name, email, phone number and position
	Virtual meet	/	/	x	/
		During COVID-19 Movement Control Order (MCO) using Google Meet/Whatsapp	Meet team virtually	-	Engage with employees virtually

		Video Call platform			
	Automated features	x	/	/	/
		-	Auto notification to inform employee	Automated hiring process Auto notification to inform employee	Automated online delivery, tracking, collection, and storage of all the necessary onboarding documents and forms (Doctor, 2021) Auto notification to inform employee

	Track Progress	/	/	/	/
		Child Pre-screening	Track employee progress	Track new-hire applicant status	Track recruiting
		Child Development Screening			
	E-Signatures	x	/	/	x
		-	Electronically sign forms	Electronically sign forms	-
	Planning/Scheduler	/	x	/	/
		Children IEP	-	Scheduler and new hire checklist	Workforce planning

	Report	/	/	/	/
		Child pre-screening report Child Development Screening report	New hire report	Employee progress report	Employee grade and progress report
Pros		Suitable for computer illiterate Flexible to write and draw	Paperless process Improve employee engagement. Auto notification alert to make new employee stay alert.	Receive automatic welcome email. Automatically notify new hires to submit document or key in details. Personalized employee portal	The software saves money, time, and errors through the software's smart forms. Can also be accessed from any device. Automated workflows let employee easily set

		<p>Customize onboarding templates.</p> <p>Safely view and sign document from own devices.</p>	<p>Completing tasks on the go</p>	<p>deadlines and reminders</p>
<p>Cons</p>	<p>A lot of paperwork</p> <p>Hard to find paperwork</p>	<p>The report is difficult to learn.</p> <p>Limited language provided.</p> <p><i>(SentricHR Reviews, 2022)</i></p>	<p>Lack of performance</p> <p>No error displayed when fail to check in/out.</p> <p><i>(Zoho People Reviews, 2022)</i></p>	<p>Confusing interfaces and features</p> <p><i>(ClearCompany Reviews, 2021)</i></p>

2.4 Summary

Based on the comparison that has been made on the three existing systems, it can be concluded that the system must be user-friendly and minimize the features. Instantly, it can improve the system's performance to work more efficiently. Therefore, the findings that have been discovered in this chapter will be used to develop the Special Needs Children Onboarding Management System.

CHAPTER 3

METHODOLOGY

3.1 Introduction

This chapter discuss about the overall approach of Special Needs Children Onboarding Management System project. This project will be developed using Agile Scrum Software Development Life Cycle (SDLC) (as shown in Figure 3.1.1) which consist of Product Backlog, Sprint Backlog and Increment/Demo. Scrum framework is suitable to be used for this project since it facilitates collaborative teamwork, and its execution can be adjusted to meet the specific requirements of the organization (Atlassian & Drumond, 2018).

The content for this chapter contains: Introduction, Project Management Framework, Project Requirement, Propose Design, Data Design, Proof of Initial Concept, Testing Plan, Potential Use of Proposed Solution and Gantt Chart.

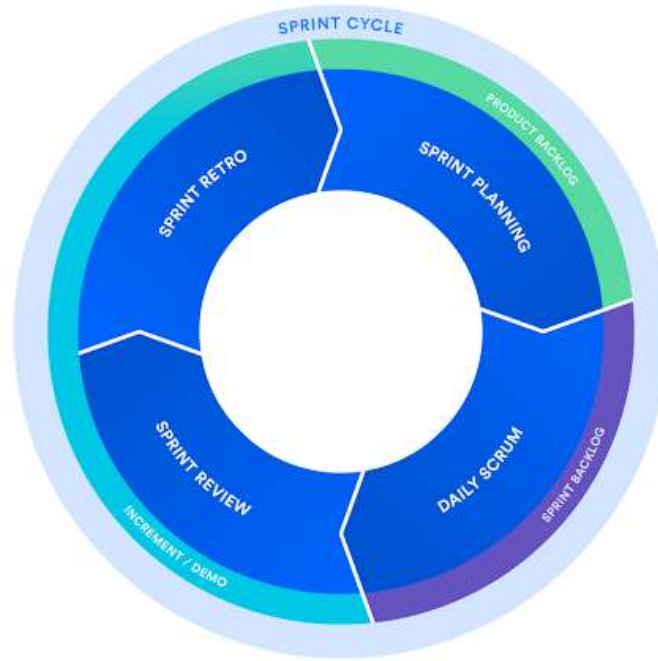


Figure 3.1.1: Agile Scrum SDLC

3.2 Project Management Framework/Methodology

This project utilises the agile scrum framework since it is ideal for teams working together more efficiently. Agile and scrum are methods that combine agile philosophy and scrum framework. Agile allows teams to develop projects in small increments. Scrum, on the other hand, is a technique recognised for dividing tasks into sizeable chunks called "sprints". This framework is appropriate for whom, wish to complete specific projects swiftly. This is because this structure supports rapid project development. After all, each set of objectives must be accomplished within the sprint time. Additionally, this framework is flexible. The teams can quickly and easily update the product objectives if stakeholders make any changes (Peek, 2022). Since this project is involved and related to other team members with different projects individually, the agile scrum framework is considered to be chosen as the methodology throughout the project development.

The phases and process of the agile scrum framework used throughout the development of Special Needs Children Onboarding Management system are:

i. Product Backlog

The product owner or related stakeholders are involved in managing the product backlog. The product owner will provide all necessary plans and task details for the project's development. The features, requirements, objectives, and flow throughout the project's development will be produced and addressed in collaboration with the scrum master before the sprint planning meeting when they will be conveyed to the development team.

a. Sprint Planning Meeting

Google Meet is used to host an online meeting session for the sprint planning meeting with the product owner or other stakeholders from MZR Global. Involved in the online meeting are the scrum master, team member supervisor, and development team. The scrum master assigned the project to each member of the four-person development team on an individual basis. During this meeting, the team will decide on the target for the sprint. The stories must always align with the goal, and the scrum team must agree that it will be possible to implement them throughout the sprint. The tasks are documented on a Gantt chart, making tracking their progress much more accessible. After the planning meeting, each scrum team member must clearly understand what can be delivered during the sprint and how the increment may be delivered.

ii. Sprint Backlog

The needed tasks from the sprint backlog will be specified and executed by a development team member. The tasks must be accomplished within the sprint timeframe. Each development team member determined and planned to complete the tasks within the sprint period independently. A sprint backlog could be flexible and might undergo change while a sprint is in progress. However, the core purpose of the sprint, which is what the team hopes to accomplish with this particular sprint, must not be compromised.

a. Daily Scrum or stand up

A daily stand-up or scrum is a meeting held every two weeks for thirty minutes through an online meeting using the Google Meet platform. Members of the development team, the scrum master, and the supervisors attended the meeting. Every two weeks, each

development team will provide the scrum master with an update on their progress during the daily scrum meeting. The development team member will also describe any obstacles or limitations encountered during the task's progression and the planned task's progression for the following weeks. The scrum master also guided and encouraged the development team member to resolve the encountered restrictions and problems and commit to the sprint target.

iii. Increment / Demo

The Increment is the aggregate of all sprint-developed tasks, use cases, user stories, product backlogs, and any other aspect that will be made accessible to the end user in the form of software (Singh, 2022). During the Increment or Sprint Goal phase, the development team will demonstrate what was accomplished during the sprint.

a. Sprint Review

At the end of the Sprint, an online meeting will be held between the product owner, scrum master, development team members, and supervisors to view the demo of, or examine, the increment. A member of the development team will give a presentation on the completed project's overall results. Then, the product owner will give feedback and will decide whether to release the increment or not.

b. Sprint Retrospective

During the retrospective, the team development gets together with the product owner, scrum master and supervisor to document and discuss the aspects of a sprint that went well and those that needed improvement. The objective of the sprint is to identify potential process enhancements and develop a plan for implementing them in the following sprint.

3.3 Project Requirement

3.3.1 Functional Requirement

- i. The LOE Onboarding Management system shall allow the users to login into the system.
- ii. The LOE Onboarding Management system shall provide the admin with ability to manage user system.
- iii. The LOE Onboarding Management system should able to display the reports.
- iv. The LOE Onboarding Management system should allow the OT to manage child IEP.
- v. The parent should be able to click on submit button to submit the pre-screening questionnaires (M1).
- vi. The parent should be able to choose date and time and click submit button to set the appointment date.
- vii. The parent should be able to click on submit button to submit the parent's initial information (M3).
- viii. The LOE Onboarding Management system should be able to display total payment for parent.
- ix. The LOE Onboarding Management system should allow the LOE staff and OT to update child programme type.
- x. The parent should be able to enter payment details and click on button to make a payment.
- xi. The LOE Onboarding Management system shall provide the parent with ability to register an account.
- xii. The LOE Onboarding Management system shall allow the users to receive notifications.

3.3.2 Non-Functional Requirement

- i. Security requirement
 - The login session expires after 120 minutes if in the idle state.
 - The users required to create a strong password when register an account. The password must be more than 8 characters.
 - The user account information must be Personal Data Protection Act (PDPA) 2010 compliant.
- ii. Usability requirement
 - The LOE Onboarding Management system user interface is user friendly and easy to use.
- iii. Availability requirement

- The LOE Onboarding Management system is required to have 99.99% availability.
- iv. Localization requirement
 - The date format must be as follows: day / month / year
 - The time format must be as follows: hour : minute
- v. Performance requirement
 - The LOE Onboarding Management system must be able to respond within or less than 3 seconds.

3.3.3 Constraints

- i. Parent is unable to proceed with child development process if they do not make payment and do pre-screening.
- ii. Parents are unable to set appointments for second meeting if the result assessment is not released yet.
- iii. LOE staff, OT and consultant must be registered by admin only.
- iv. Parents must register by themselves to create an account.

3.3.4 Limitation

- i. Users must connect to the internet to be able to use the system.
- ii. The system can be operated through website only.
- iii. Users are recommended to use Chrome browser with the latest version.

3.4 Propose Design

3.4.1 Flowchart

3.4.1.1 Flowchart for user Parents

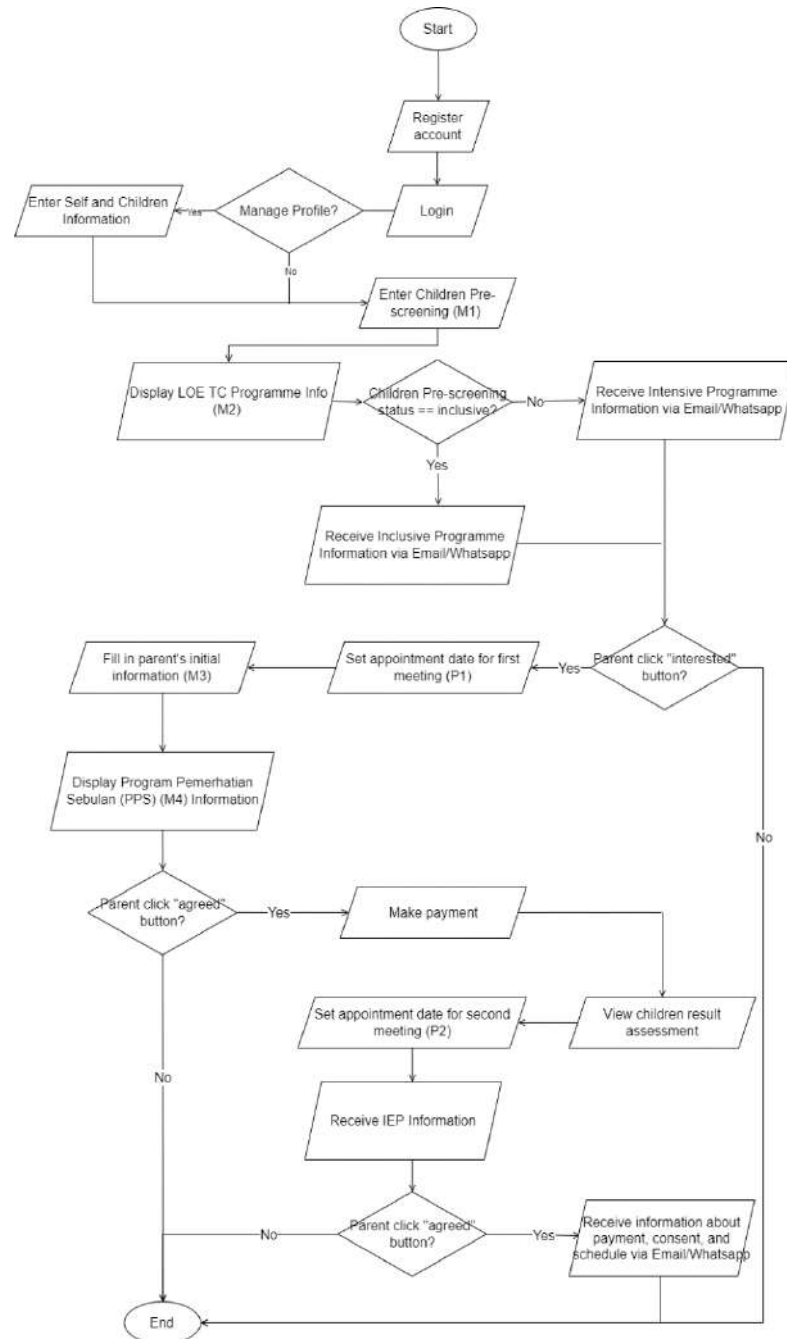


Figure 3.4.1: Flowchart for Parent

3.4.1.2 Flowchart for user LOE staffs

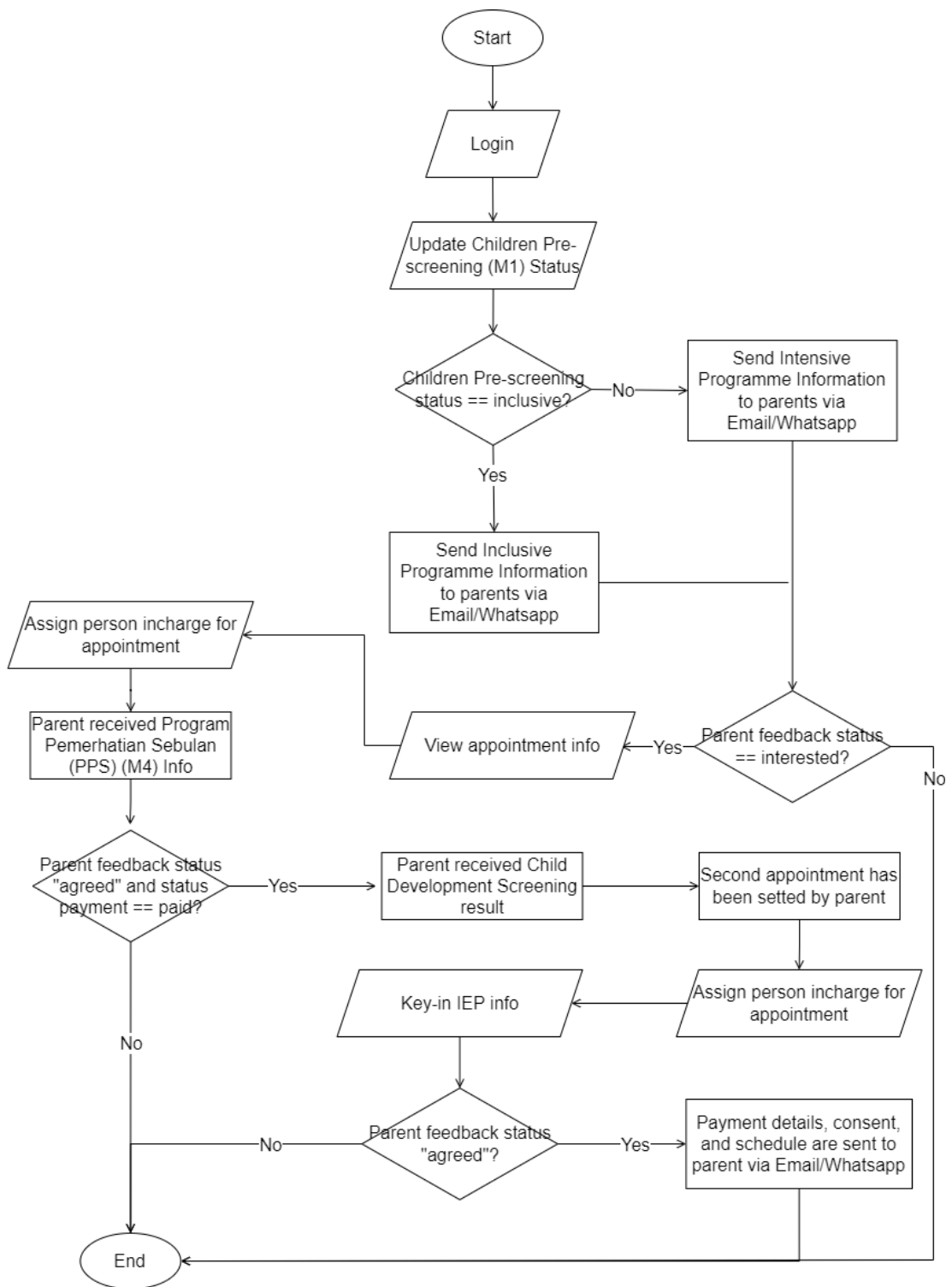


Figure 3.4.2: Flowchart for LOE Staff

3.4.1.3 Flowchart for user OT

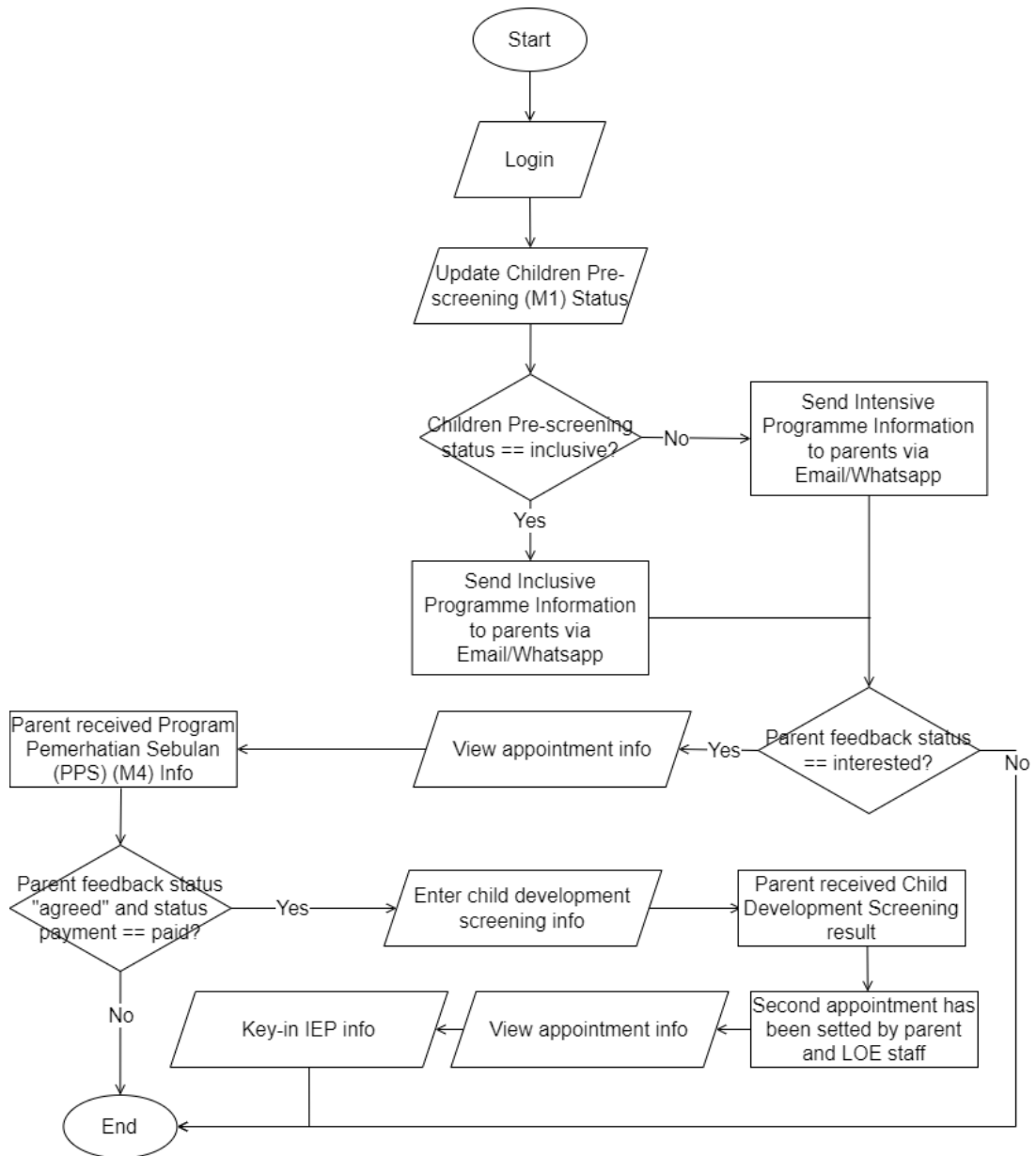


Figure 3.4.3: Flowchart for OT

3.4.1.4 Flowchart for user Consultant

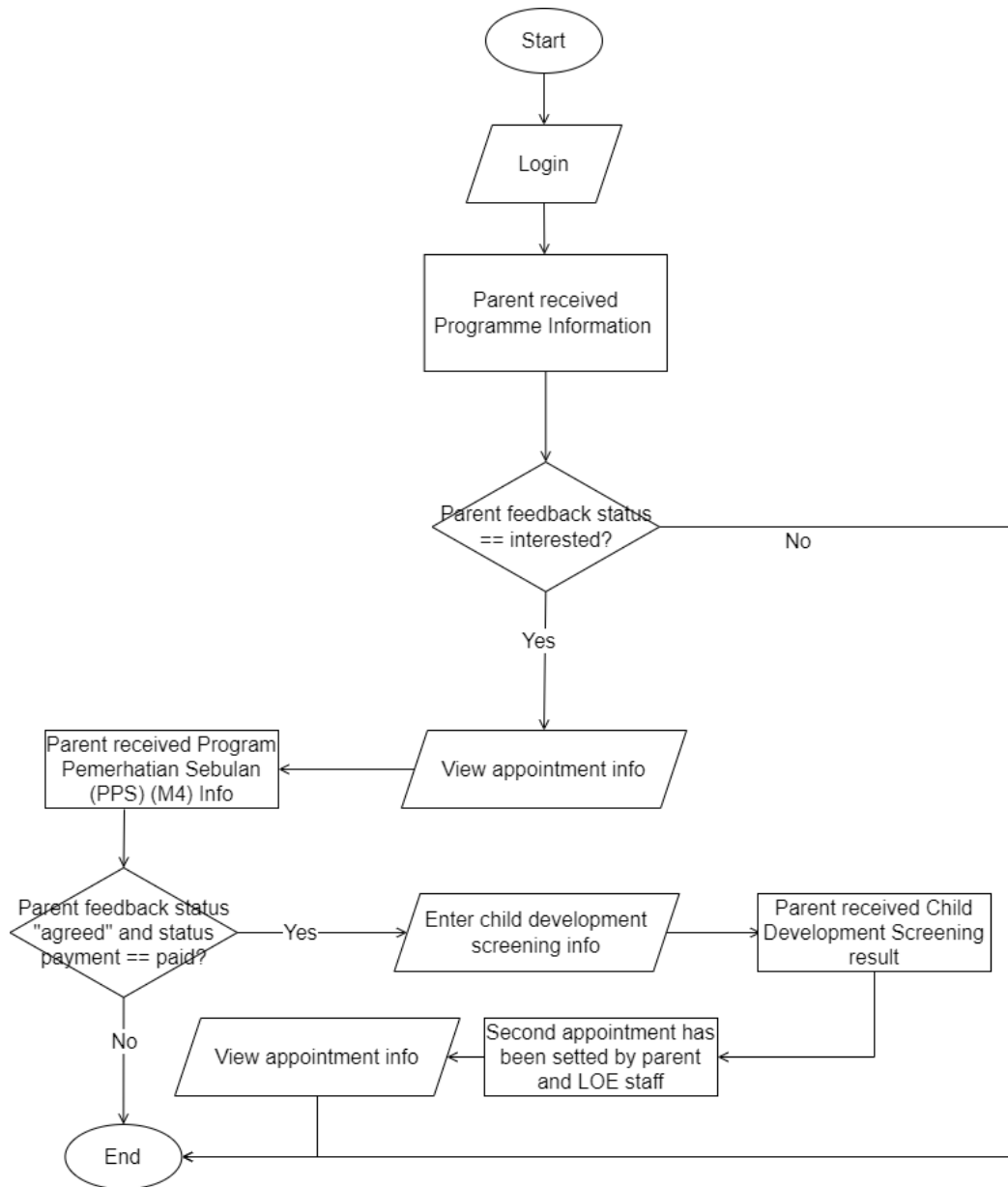


Figure 3.4.4: Flowchart for Consultant

3.4.1.5 Flowchart for user Admin

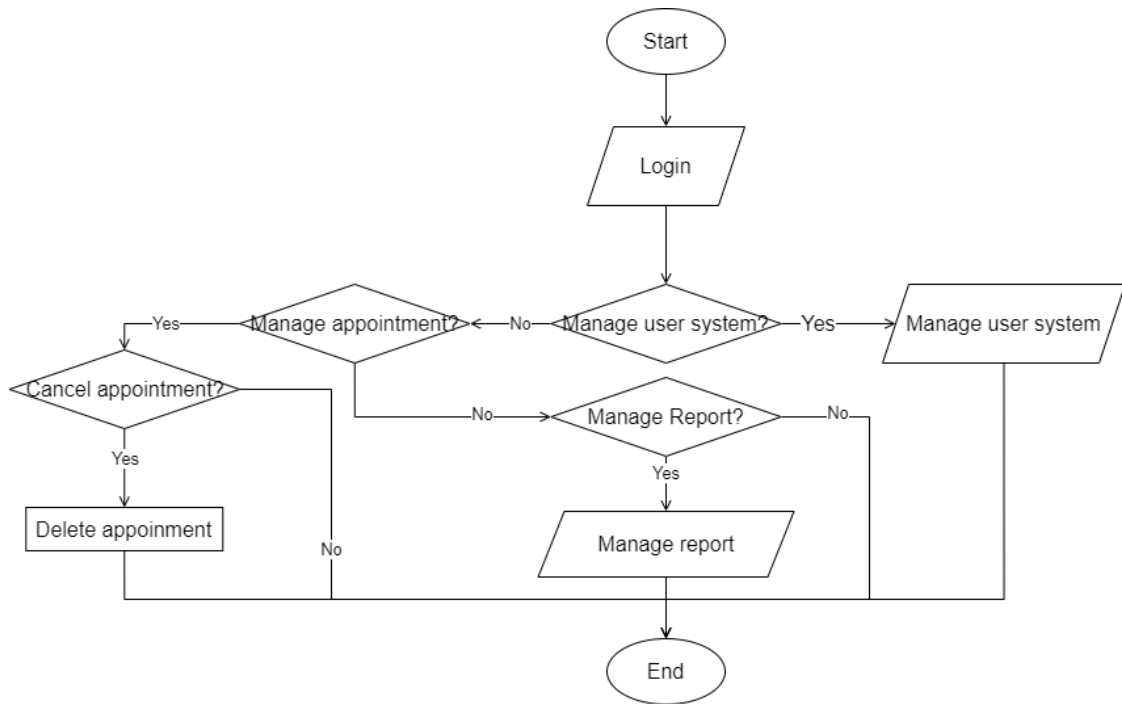


Figure 3.4.5: Flowchart for Admin

3.4.2 Context Diagram

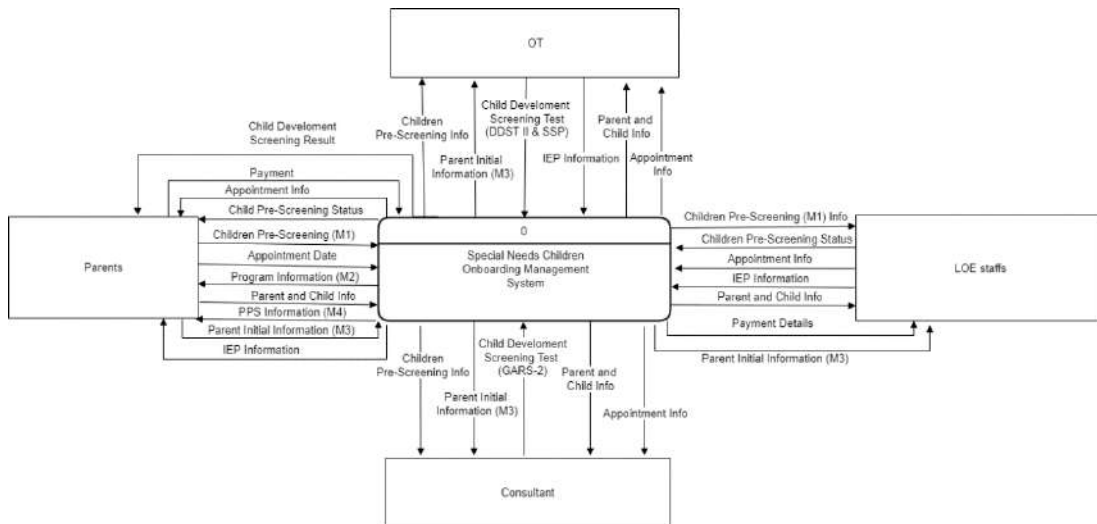


Figure 3.4.6: Context diagram

3.4.3 Use Case Diagram and Description

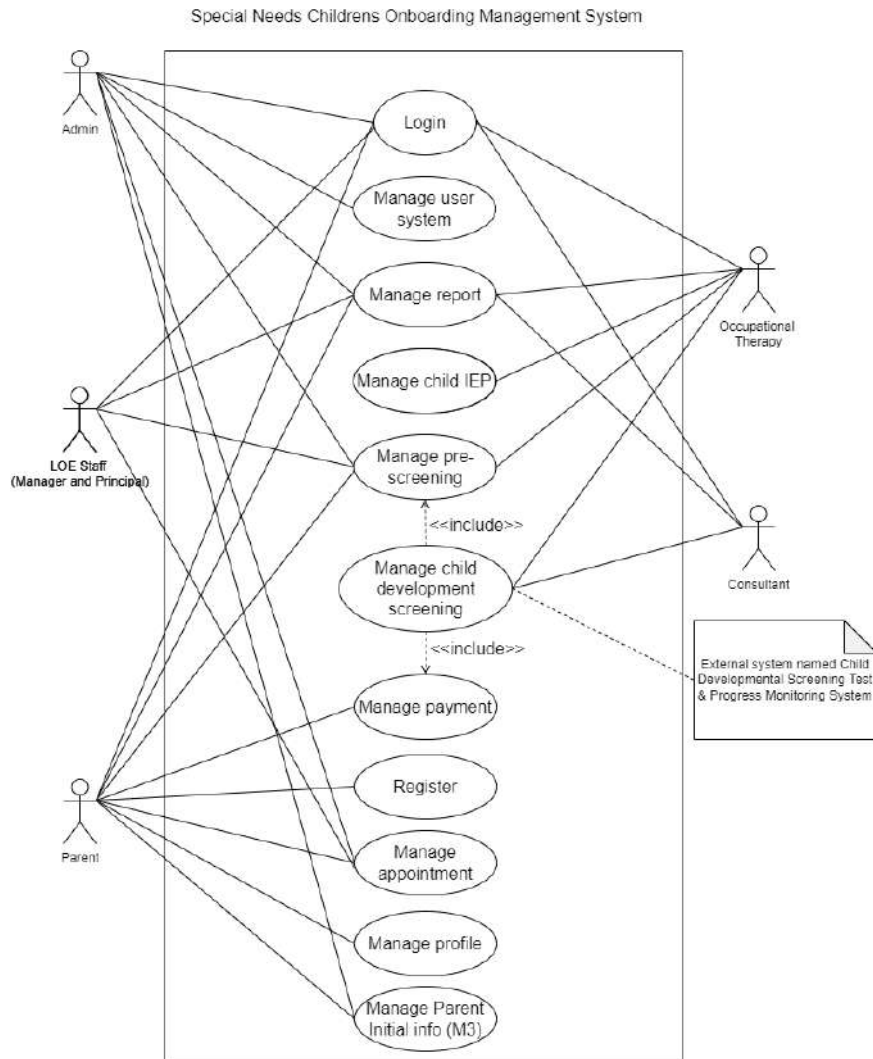


Figure 3.4.7: Use case diagram

3.4.3.1 Login (UC0001)

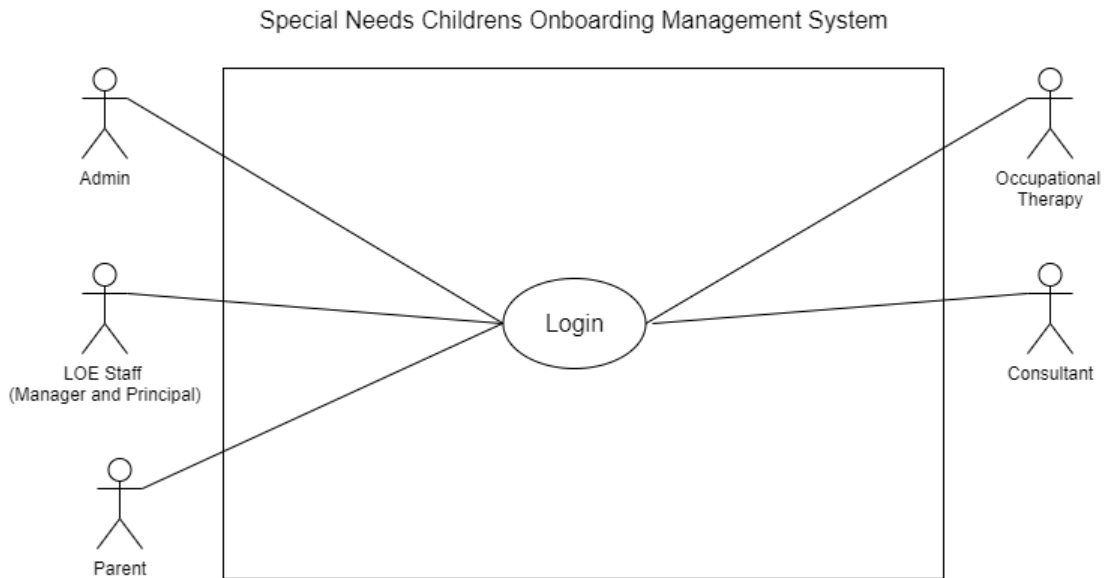


Figure 3.4.8: Use case diagram Login (UC0001)

Table 3.4.1: Use case description Login (UC0001)

Use case ID	UC0001
Use case Name	Login
Brief Description	This use case is used for users to login into the system using their registered account.
Actor	Admin, LOE Staff, Parent, OT, Consultant
Pre-Conditions	The user must be registered into the system first.
Basic Flow	<ol style="list-style-type: none"> 1. The use case begins when the users open the Login page. 2. User key-in email and password.

	<ol style="list-style-type: none"> 3. User clicks on “Login” button. 4. System validates the user authentication. [E1: Invalid input] 5. System display user’s dashboard page. 6. The use case ends.
Alternative Flow	None
Exception Flow	<p>E1: Invalid input</p> <ol style="list-style-type: none"> 1. System displays an error message 2. User clicks on “OK” button. 3. The use case continues with steps 6 in basic flow.
Post-Conditions	User able to log in to the system.

3.4.3.2 Manage User System (UC0002)

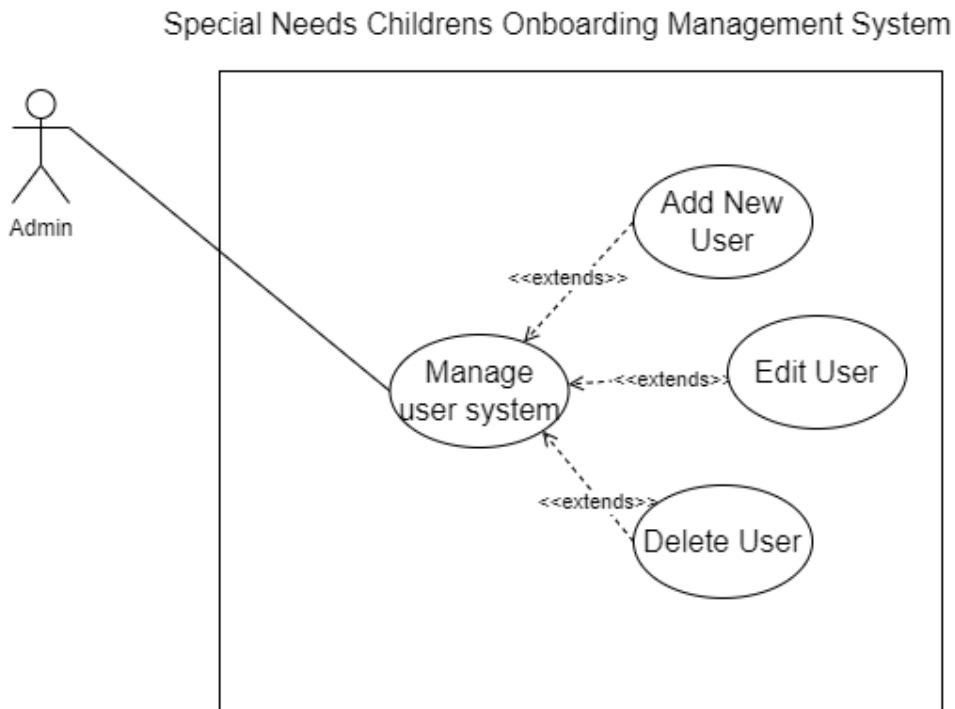


Figure 3.4.9: Use case diagram Manage User System (UC0002)

Table 3.4.2: Use case description Manage User System (UC0002)

Use case ID	UC0002
Use case Name	Manage user system
Brief Description	This use case is used to manage user system such as add user, delete user and update user info.
Actor	Admin
Pre-Conditions	The user must have logged in to system.
Basic Flow	1. The use case begins when the user clicks on “Manage User” menu.

	<ol style="list-style-type: none"> 2. System displays Manage User System page and list of users. 3. User can choose following options: [A1: Add new user] [A2: Edit user account] [A3: Delete user account] 4. The use case ends.
<p>Alternative Flow</p>	<p>[A1: Add new user]</p> <ol style="list-style-type: none"> 1. User clicks on “Add new user” button. 2. System displays the page. 3. User key-in user’s details. 4. User clicks on “Add” button. [E1: Invalid input] 5. System adds the data into the database. 6. System displays successful message. 7. The use case continues to step 4 in basic flow. <p>[A2: Edit user account]</p> <ol style="list-style-type: none"> 1. User clicks on “Edit” link. 2. System displays the page. 3. User key-in user’s details. 4. User clicks on “Save” button. <p>[E2: Invalid input]</p> <ol style="list-style-type: none"> 5. System display confirmation box. 6. User clicks on “Yes” button. 7. System updates the data in the database. 8. System displays successful message.

	<p>9. The use case continues to step 4 in basic flow.</p> <p>[A3: Delete user account]</p> <ol style="list-style-type: none"> 1. User clicks on “Delete” link. 2. System displays confirmation box. 3. User clicks on “Yes” button. 4. System deletes the data in the database. 5. System displays successful message. 6. The use case continues to step 4 in basic flow.
<p>Exception Flow</p>	<p>E1: Invalid input</p> <ol style="list-style-type: none"> 1. System displays an error message 2. User clicks on “OK” button. 3. The use case continues with steps 4 in basic flow. <p>E2: Invalid input</p> <ol style="list-style-type: none"> 1. System displays an error message 2. User clicks on “OK” button. 3. The use case continues with steps 4 in basic flow.
<p>Post-Conditions</p>	<p>Data updated in database.</p>

3.4.3.3 Manage Report (UC0003)

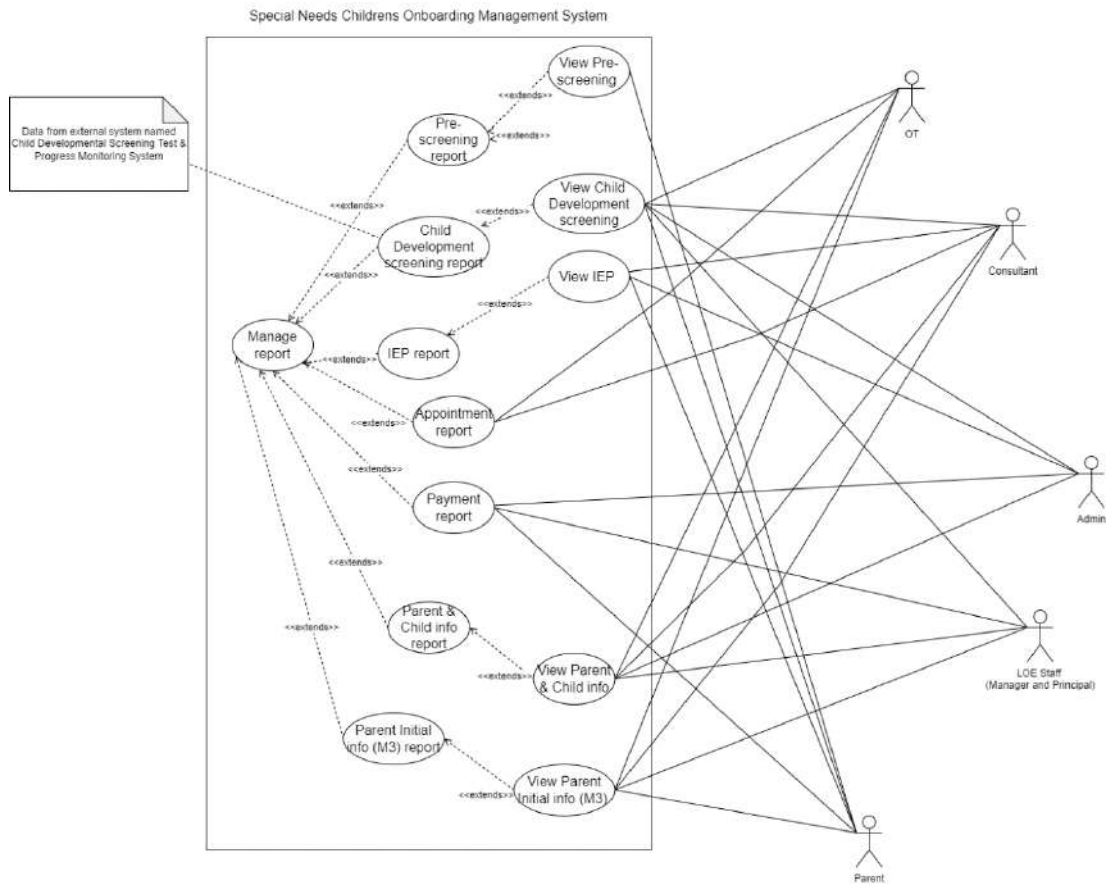


Figure 3.4.10: Use case diagram Manage Report (UC0003)

Table 3.4.3: Use case description Manage Report (UC0003)

Use case ID	UC0003
Use case Name	Manage report
Brief Description	<p>This use case is used to manage and generate children report based on child’s observation assessments and child development screenings results for the use of documentation and observation.</p> <p>Parent can view child pre-screening report.</p>

	<p>Users can view Child development screen result report.</p> <p>Admin, Consultant and Parents can view IEP report.</p> <p>OT and consultant can view appointment report.</p> <p>Admin, LOE staff and parent can view payment report.</p> <p>LOE staff, OT and consultant can view Parent & Child info report.</p> <p>Users can view Parent Initial info report.</p>
Actor	Admin, LOE Staff, Parent, OT, Consultant
Pre-Conditions	<ul style="list-style-type: none"> • Users must have logged in to the system. • Parents must do a pre-screening test. • OT and Consultant must do child development assessments.
Basic Flow	<p>Admin:</p> <ol style="list-style-type: none"> 1. The use case begins when the user clicks on “Report” menu. 2. System displays Report page and list of report types.

	<p>3. User can choose following options:</p> <p>[A1: Child development screening report] [A2: IEP report] [A3: Payment report] [A4: Parent & Child info report]</p> <p>4. The use case ends.</p> <p>LOE staff:</p> <p>1. The use case begins when the user clicks on “Report” menu.</p> <p>2. System displays Report page and list of report types.</p> <p>3. User can choose following options:</p> <p>[A5: Child development screening report] [A6: Payment report] [A7: Parent & Child info report] [A8: Parent Initial info report (M3)]</p> <p>4. The use case ends.</p> <p>Parent:</p> <p>1. The use case begins when the user clicks on “Report” menu.</p> <p>2. System displays Report page and list of report types.</p> <p>3. User can choose following options:</p> <p>[A9: Pre-screening report] [A10: Child development screening report]</p>
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	<p>[A11: IEP report] [A12: Payment report] [A13: Parent Initial info report (M3)]</p> <p>4. The use case ends.</p> <p>OT:</p> <p>1. The use case begins when the user clicks on “Report” menu.</p> <p>2. System displays Report page and list of report types.</p> <p>3. User can choose following options:</p> <p>[A14: Child development screening report] [A15: Appointment report] [A16: Parent & Child info report] [A17: Parent Initial info report (M3)]</p> <p>4. The use case ends.</p> <p>Consultant:</p> <p>1. The use case begins when the user clicks on “Report” menu.</p> <p>2. System displays Report page and list of report types.</p> <p>3. User can choose following options:</p> <p>[A18: Child development screening report] [A19: Appointment report] [A20: IEP report] [A21: Parent & Child info report] [A22: Parent Initial info report (M3)]</p>
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	<p>4. The use case ends.</p>
<p>Alternative Flow</p>	<p>Admin:</p> <p>[A1: Child development screening report]</p> <ol style="list-style-type: none"> 1. User clicks on “Child Development Screening” menu button. 2. System displays the list child development screening report page. 3. User can choose following options: <p style="margin-left: 40px;">[A23: View Child Development Screening details]</p> 4. The use case continues to step 4 in basic flow. <p>[A2: IEP report]</p> <ol style="list-style-type: none"> 1. User clicks on “Individualized Education Programs (IEP)” menu button. 2. System displays the list of IEP report page. 3. User can choose following options: <p style="margin-left: 40px;">[A24: View IEP details]</p> 4. The use case continues to step 4 in basic flow.

	<p>[A3: Payment report]</p> <ol style="list-style-type: none">1. User clicks on “Payment Report” menu button.2. System displays the list of payment report page.3. The use case continues to step 4 in basic flow. <p>[A4: Parent & Child info report]</p> <ol style="list-style-type: none">1. User clicks on “Parent and Child Info” menu button.2. System displays the list of parent and child info report page.3. User can choose following options: <p>[A25: View Parent & Child info details]</p> <ol style="list-style-type: none">4. The use case continues to step 4 in basic flow. <p>LOE staff:</p> <p>[A5: Child development screening report]</p> <ol style="list-style-type: none">1. User clicks on “Child Development Screening” menu button.2. System displays the list child development screening report page.3. User can choose following options:
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[A26: View Child Development Screening details]

4. The use case continues to step 4 in basic flow.

[A6: Payment report]

1. User clicks on “Payment Report” menu button.
2. System displays the list of payment report page.
3. The use case continues to step 4 in basic flow.

[A7: Parent & Child info report]

1. User clicks on “Parent and Child Info” menu button.
2. System displays the list of parent and child info report page.
3. User can choose following options:

[A27: View Parent & Child info details]

4. The use case continues to step 4 in basic flow.

[A8: Parent Initial info report (M3)]

1. User clicks on “Parent Initial Info (M3)” menu button.

	<ol style="list-style-type: none"> 2. System displays the list of parent initial info (M3) report page. 3. User can choose following options: [A28: View Parent Initial info (M3) details] 4. The use case continues to step 4 in basic flow. <p>Parent:</p> <p>[A9: Pre-screening report]</p> <ol style="list-style-type: none"> 1. User clicks on “Pre-screening” menu button. 2. System displays the list of pre-screening report page. 3. User can choose following options: [A29: View Pre-Screening details] 4. The use case continues to step 4 in basic flow. <p>[A10: Child development screening report]</p> <ol style="list-style-type: none"> 1. User clicks on “Child Development Screening” menu button. 2. System displays the list child development screening report page. 3. User can choose following options: [A30: View Child Development Screening details]
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	<p>4. The use case continues to step 4 in basic flow.</p> <p>[A11: IEP report]</p> <ol style="list-style-type: none">1. User clicks on “Individualized Education Programs (IEP)” menu button.2. System displays the list of IEP report page.3. User can choose following options: <p>[A31: View IEP details]</p> <ol style="list-style-type: none">4. The use case continues to step 4 in basic flow. <p>[A12: Payment report]</p> <ol style="list-style-type: none">1. User clicks on “Payment Report” menu button.2. System displays the list of payment report page.3. The use case continues to step 4 in basic flow. <p>[A13: Parent Initial info report (M3)]</p> <ol style="list-style-type: none">1. User clicks on “Parent Initial Info (M3)” menu button.2. System displays the list of parent initial info (M3) report page.3. User can choose following options: <p>[A32: View Parent Initial info (M3) details]</p> <ol style="list-style-type: none">4. The use case continues to step 4 in basic flow.
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	<p>OT:</p> <p><i>*Child Developmental Screening Test & Progress Monitoring System [External system]</i></p> <p>[A14: Child development screening report]</p> <ol style="list-style-type: none">1. User clicks on “Child Development Screening” menu button.2. System displays the list child development screening report page.3. User can choose following options: [A33: View Child Development Screening details]4. The use case continues to step 4 in basic flow. <p>[A15: Appointment report]</p> <ol style="list-style-type: none">1. User clicks on “Appointment Report” menu button.2. System displays the list of appointment report page.3. The use case continues to step 4 in basic flow. <p>[A16: Parent & Child info report]</p> <ol style="list-style-type: none">1. User clicks on “Parent and Child Info” menu button.2. System displays the list of parent and child info report page.
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	<p>3. User can choose following options:</p> <p>[A34: View Parent & Child info details]</p> <p>4. The use case continues to step 4 in basic flow.</p> <p>[A17: Parent Initial info report (M3)]</p> <p>1. User clicks on “Parent Initial Info (M3)” menu button.</p> <p>2. System displays the list of parent initial info (M3) report page.</p> <p>3. User can choose following options:</p> <p>[A35: View Parent Initial info (M3) details]</p> <p>4. The use case continues to step 4 in basic flow.</p> <p>Consultant:</p> <p><i>*Child Developmental Screening Test & Progress Monitoring System [External system]</i></p> <p>[A18: Child development screening report]</p> <p>1. User clicks on “Child Development Screening” menu button.</p> <p>2. System displays the list child development screening report page.</p>
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	<p>3. User can choose following options:</p> <p>[A36: View Child Development Screening details]</p> <p>4. The use case continues to step 4 in basic flow.</p> <p>[A19: Appointment report]</p> <p>1. User clicks on “Appointment Report” menu button.</p> <p>2. System displays the list of appointment report page.</p> <p>3. The use case continues to step 4 in basic flow.</p> <p>[A20: IEP report]</p> <p>1. User clicks on “Individualized Education Programs (IEP)” menu button.</p> <p>2. System displays the list of IEP report page.</p> <p>3. User can choose following options:</p> <p>[A37: View IEP details]</p> <p>4. The use case continues to step 4 in basic flow.</p> <p>[A21: Parent & Child info report]</p> <p>1. User clicks on “Parent and Child Info” menu button.</p> <p>2. System displays the list of parent and child info report page.</p> <p>3. User can choose following options:</p>
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[A38: View Parent & Child info details]

4. The use case continues to step 4 in basic flow.

[A22: Parent Initial info report (M3)]

1. User clicks on “Parent Initial Info (M3)” menu button.
2. System displays the list of parent initial info (M3) report page.
3. User can choose following options:

[A39: View Parent Initial info (M3) details]

4. The use case continues to step 4 in basic flow.

Admin:

[A23: View Child Development Screening details]

1. User clicks on “View” link.
2. System displays the child development screening details page.
3. The use case continues to step 4 in alternative flow.

[A24: View IEP details]

1. User clicks on “View” link.

	<ol style="list-style-type: none">2. System displays the IEP details page.3. The use case continues to step 4 in alternative flow. <p>[A25: View Parent & Child info details]</p> <ol style="list-style-type: none">1. User clicks on “View” link.2. System displays the parent & child info details page.3. The use case continues to step 4 in alternative flow. <p>LOE staff:</p> <p>[A26: View Child Development Screening details]</p> <ol style="list-style-type: none">1. User clicks on “View” link.2. System displays the child development screening details page.3. The use case continues to step 4 in alternative flow. <p>[A27: View Parent & Child info details]</p> <ol style="list-style-type: none">1. User clicks on “View” link.2. System displays the parent & child info details page.3. The use case continues to step 4 in alternative flow.
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[A28: View Parent Initial info report (M3) details]

1. User clicks on “View” link.
2. System displays the parent initial info details page.
3. The use case continues to step 4 in alternative flow.

Parent:

[A29: View Pre-Screening details]

1. User clicks on “View” link.
2. System displays the pre-screening details page.
3. The use case continues to step 4 in alternative flow.

[A30: View Child Development Screening details]

1. User clicks on “View” link.
2. System displays the child development screening details page.
3. The use case continues to step 4 in alternative flow.

[A31: View IEP details]

1. User clicks on “View” link.
2. System displays the IEP details page.

	<p>3. The use case continues to step 4 in alternative flow.</p> <p>[A32: View Payment details]</p> <ol style="list-style-type: none"> 1. User clicks on “View” link. 2. System displays the payment details page. 3. The use case continues to step 4 in alternative flow. <p>[A33: View Parent Initial info (M3) details]</p> <ol style="list-style-type: none"> 1. User clicks on “View” link. 2. System displays the parent initial info details page. 3. The use case continues to step 4 in alternative flow. <p>OT:</p> <p><i>*Child Developmental Screening Test & Progress Monitoring System [External system]</i></p> <p>[A34: View Child Development Screening details]</p> <ol style="list-style-type: none"> 1. User clicks on “View” link. 2. System displays the child development screening details page. 3. The use case continues to step 4 in alternative flow.
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[A35: View Parent & Child info details]

1. User clicks on “View” link.
2. System displays the parent & child info details page.
3. The use case continues to step 4 in alternative flow.

[A36: View Parent Initial info (M3) details]

1. User clicks on “View” link.
2. System displays the parent initial info details page.
3. The use case continues to step 4 in alternative flow.

Consultant:

**Child Developmental Screening Test & Progress Monitoring System [External system]*

[A37: View Child Development Screening details]

1. User clicks on “View” link.
2. System displays the child development screening details page.
3. The use case continues to step 4 in alternative flow.

[A38: View IEP details]

1. User clicks on “View” link.

	<ol style="list-style-type: none"> 2. System displays the IEP details page. 3. The use case continues to step 4 in alternative flow. <p>[A39: View Parent & Child info details]</p> <ol style="list-style-type: none"> 1. User clicks on “View” link. 2. System displays the parent & child info details page. 3. The use case continues to step 4 in alternative flow.
Exception Flow	-
Post-Conditions	Data retrieved from database.

3.4.3.4 Manage IEP (UC0004)

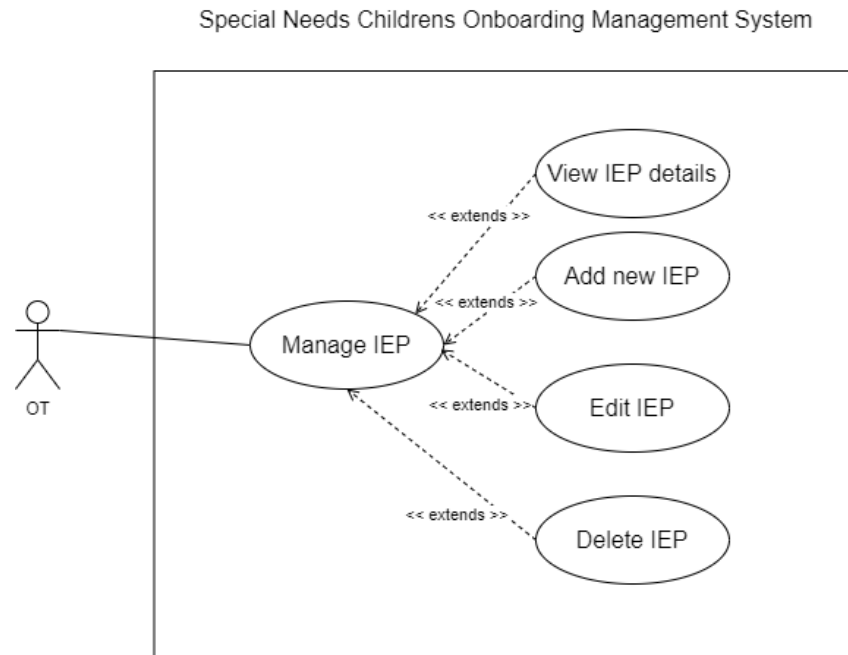


Figure 3.4.11: Use case diagram Manage IEP (UC0004)

Table 3.4.4: Use case description Manage IEP (UC0004)

Use case ID	UC0004
Use case Name	Manage child IEP
Brief Description	This use case is used to manage children IEP
Actor	OT
Pre-Conditions	Parent and child have completed child development screening phase
Basic Flow	<ol style="list-style-type: none"> 1. The use case begins when the user clicks on “Child IEP” menu. 2. System displays Child IEP page.

	<p>3. User can choose following options:</p> <p>[A1: Add New IEP] [A2: View IEP] [A3: Edit IEP] [A4: Delete IEP]</p> <p>4. The use case ends.</p>
<p>Alternative Flow</p>	<p>[A1: Add New IEP]</p> <ol style="list-style-type: none"> 1. User clicks on “Add New IEP” button. 2. System displays the page. 3. User key-in details. 4. User clicks on “Add” button. [E1: Invalid Input] 5. System adds data into the database. 6. The use case continues to step 4 in basic flow. <p>[A2: View IEP]</p> <ol style="list-style-type: none"> 1. User clicks on “View” link. 2. System displays the IEP details page. 3. The use case continues to step 4 in basic flow. <p>[A3: Edit IEP]</p> <ol style="list-style-type: none"> 1. User clicks on “Edit” link. 2. System displays the page. 3. User key-in details. 4. User clicks on “Save” button. [E2: Invalid Input]

	<ol style="list-style-type: none"> 5. System display confirmation box. 6. User clicks on “Yes” button. 7. System updates data in the database. 8. The use case continues to step 4 in basic flow. <p>[A4: Delete IEP]</p> <ol style="list-style-type: none"> 1. User clicks on “Delete” link. 2. System displays the confirmation message. 3. User clicks on “Yes” button. 4. System deletes data in the database. 5. The use case continues to step 4 in basic flow.
<p>Exception Flow</p>	<p>E1: Invalid input</p> <ol style="list-style-type: none"> 1. System displays an error message. 2. User clicks on “OK” button. 3. The use case continues with steps 6 in alternative flow. <p>E2: Invalid input</p> <ol style="list-style-type: none"> 1. System displays an error message. 2. User clicks on “OK” button. 3. The use case continues with steps 8 in alternative flow.
<p>Post-Conditions</p>	<p>Data updated in database.</p>

3.4.3.5 Manage Pre-screening (UC0005)

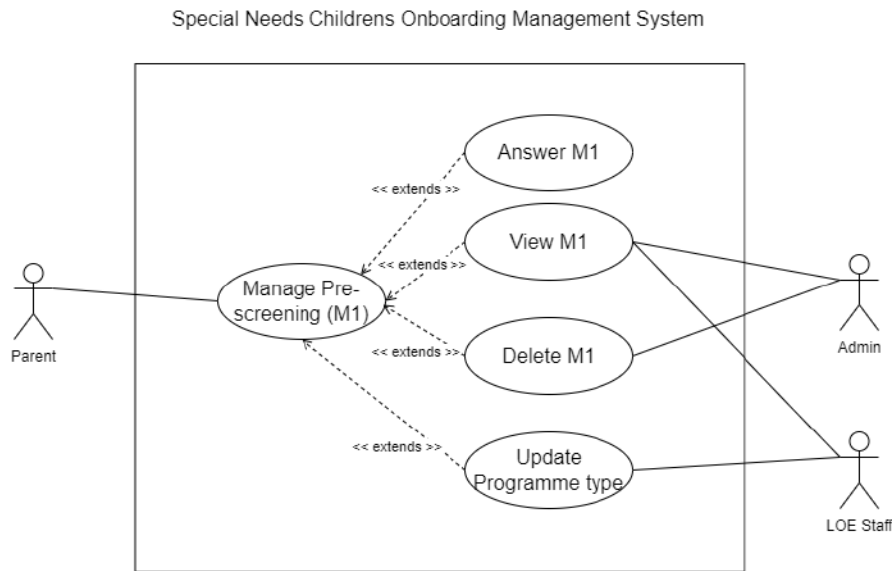


Figure 3.4.12: Use case diagram Manage Pre-screening (UC0005)

Table 3.4.5: Use case description Manage Pre-screening (UC0005)

Use case ID	UC0005
Use case Name	Manage pre-screening
Brief Description	<p>This use case is for Parent to answer the pre-screening questionnaire.</p> <p>LOE staff, and OT can view the answered questionnaire and update child programme type</p> <p>Admin can view and delete M1 data if parent is request to re-submit M1.</p>
Actor	Admin, Parent, LOE staff, OT

<p>Pre-Conditions</p>	<ul style="list-style-type: none"> • The user must have logged into the system. • Parent must answer the questionnaire.
<p>Basic Flow</p>	<p>Parent:</p> <ol style="list-style-type: none"> 1. The use case begins when the user clicks on “Pre-screening” menu. 2. System displays Pre-screening page. 3. User key-in the answer. 4. User tick on the “I acknowledge that all my answers are accurate, and all information provided is private and confidential.” checkbox. 5. User clicks on “Submit” button to submit the form. [E1: Invalid Input] [E2: Untick Checkbox] 6. System adds data into the database. 7. System displays successful message and notifies LOE staff and OT. 8. The use case ends. <p>LOE staff/OT:</p> <ol style="list-style-type: none"> 1. The use case begins when the user clicks on “Pre-screening” menu. 2. System displays the list of answered pre-screening. 3. Users clicks on “Update” link. 4. System displays the page. 5. Users choose programme type. 6. Users click on “Update” button.

	<ol style="list-style-type: none"> 7. System updates data into database. 8. System displays successful message and notifies parent. 9. Use case end. <p style="text-align: center;">Admin</p> <ol style="list-style-type: none"> 1. The use case begins when the user clicks on “Pre-screening” menu. 2. System displays the list of answered pre-screening. 3. Users can choose following options: <p style="text-align: center;">[A1: View M1] [A2: Delete M1]</p> <ol style="list-style-type: none"> 4. Use case end.
<p>Alternative Flow</p>	<p>[A1: View M1]</p> <ol style="list-style-type: none"> 1. The use case begins when the user clicks on “View” link. 2. System displays the answered pre-screening. 3. The use case continues to step 4 in basic flow. <p>[A2: Delete M1]</p> <ol style="list-style-type: none"> 1. The use case begins when the user clicks on “Delete” link. 2. The system displays confirmation box. 3. User clicks on “Yes” button. 4. System deletes the data. 5. The use case continues to step 4 in basic flow.

<p>Exception Flow</p>	<p>E1: Invalid input</p> <ol style="list-style-type: none"> 1. System displays an error message. 2. User clicks on “OK” button. 3. The use case continues with steps 8 in basic flow. <p>E2: Untick Checkbox</p> <ol style="list-style-type: none"> 1. System displays an error message. 2. User clicks on “OK” button. 3. The use case continues with steps 8 in basic flow.
<p>Post-Conditions</p>	<p>Data added into the database.</p>

3.4.3.6 Manage Payment (UC0006)

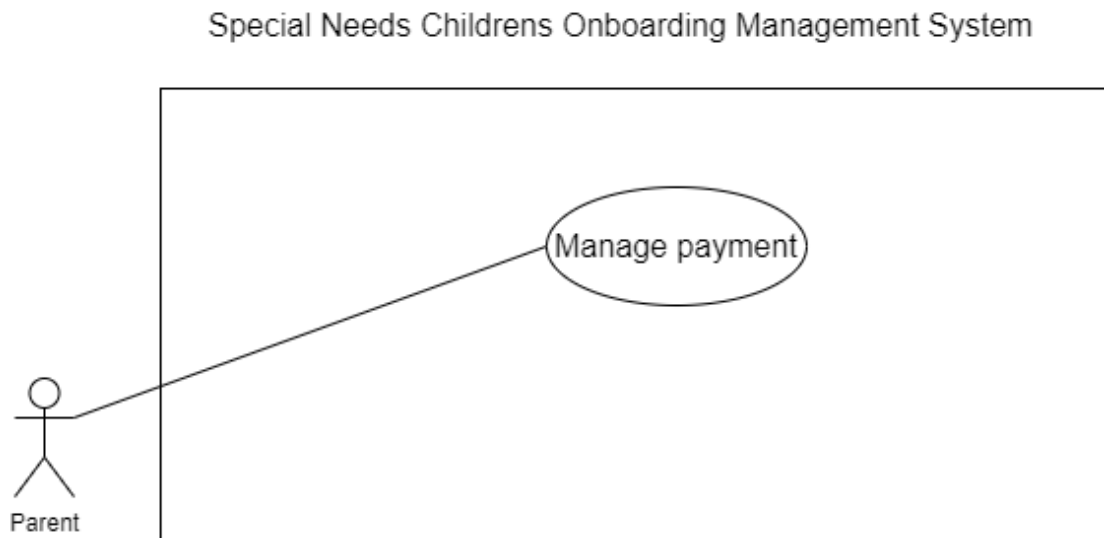


Figure 3.4.13: Use case diagram Manage Payment (UC0006)

Table 3.4.6: Use case description Manage Payment (UC0006)

Use case ID	UC0006
Use case Name	Manage payment
Brief Description	This use case is for parent to manage payment.
Actor	Parent
Pre-Conditions	<ul style="list-style-type: none"> • The users must have logged into the system. • The user must have bank account to make payment.
Basic Flow	<ol style="list-style-type: none"> 1. The use case begins when the user clicks on “Payment” menu. 2. System displays Payment page.

	<ol style="list-style-type: none"> 3. User chooses Fee Type, Payment Type and Bank Type. 4. User clicks on “Pay” button. 5. System displays successful message. 6. System updates data in the database. 7. System notifies LOE staff. 8. The use case ends.
Alternative Flow	-
Exception Flow	-
Post-Conditions	Data updated in database.

3.4.3.7 Register (UC0007)

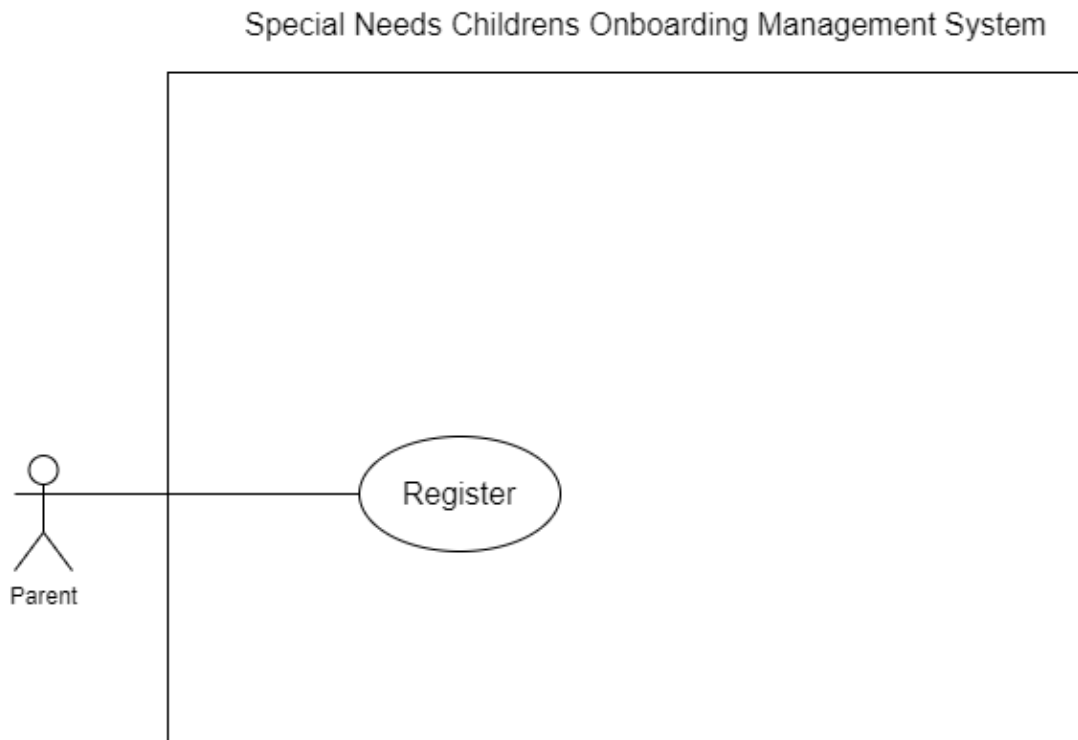


Figure 3.4.14: Use case diagram Register (UC0007)

Table 3.4.7: Use case description Register (UC0007)

Use case ID	UC0007
Use case Name	Register
Brief Description	This use case is used to create parent's account
Actor	Parent
Pre-Conditions	-
Basic Flow	1. The use case begins when the user clicks on "Sign up" button.

	<ol style="list-style-type: none"> 2. System displays Sign up page. 3. User enters their information. 4. User enters email and password. 5. User clicks on “Create Account” button. [E1: Invalid Input] 6. System inserts data into the database. 7. System displays successful message. 8. The use case ends.
Alternative Flow	-
Exception Flow	<p>E1: Invalid input</p> <ol style="list-style-type: none"> 1. System displays an error message 2. User clicks on “OK” button. 3. The use case continues with steps 8 in basic flow.
Post-Conditions	Data updated in database.

3.4.3.8 Manage Appointment (UC0008)

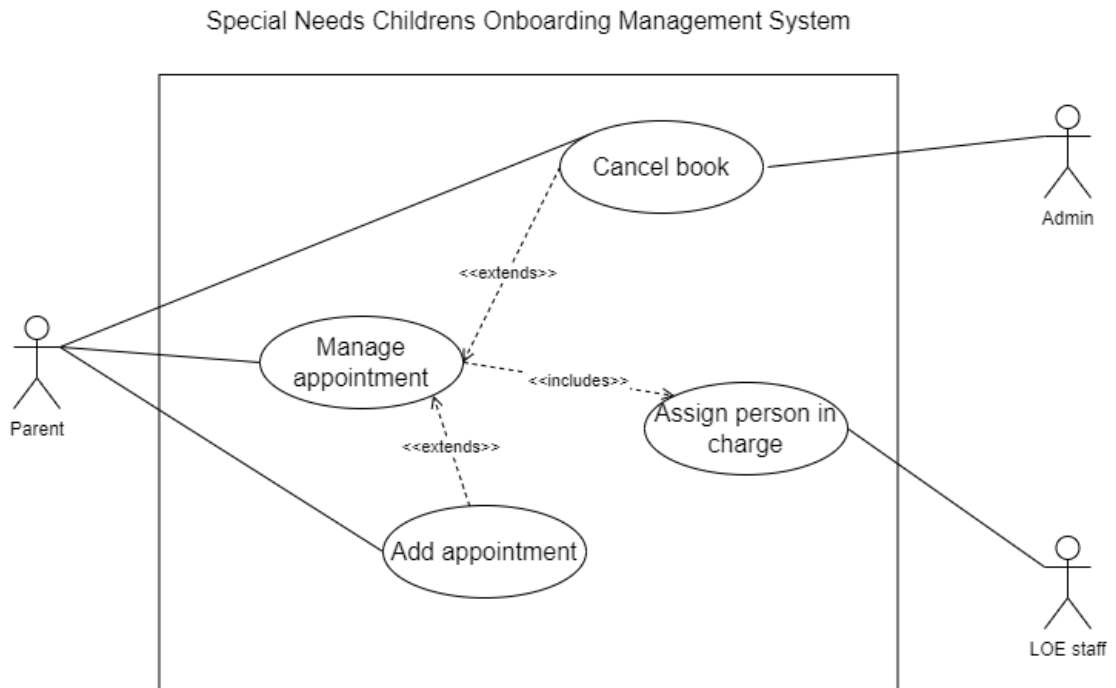


Figure 3.4.15: Use case diagram Manage Appointment (UC0008)

Table 3.4.8: Use case description Manage Appointment (UC0008)

Use case ID	UC0008
Use case Name	Manage appointment
Brief Description	<p>This use case is for users to manage appointment.</p> <p>Parent can add and cancel appointment.</p> <p>Admin can cancel appointment if there is some urgent matter happens.</p>

	LOE staff can assign person in charge for the appointment.
Actor	Parent, Admin, LOE staff
Pre-Conditions	<ul style="list-style-type: none"> • The user must have logged into the system • The user must have made a payment before booking for second appointment.
Basic Flow	<p>Parent:</p> <ol style="list-style-type: none"> 1. The use case begins when the user clicks on “Appointment” menu. 2. System displays Appointment page. 3. User can choose the following option: <ul style="list-style-type: none"> [A1: Book Appointment] [A2: Cancel Appointment] <p>(If appointment have been made)</p> 4. The use case ends. <p>Admin:</p> <ol style="list-style-type: none"> 1. The use case begins when the user clicks on “Appointment” menu. 2. System displays Appointment list page. 3. User can choose the following option: <ul style="list-style-type: none"> [A3: Cancel Appointment] <p>(If appointment have been made by parent)</p> 4. The use case ends.

	<p>LOE staff:</p> <ol style="list-style-type: none"> 1. The use case begins when the user clicks on “Appointment” menu. 2. System displays Appointment list page. 3. Users clicks on “View” link 4. System displays page 5. User assign person in charge by click on dropdown menu. 6. User clicks on “Update” button. 7. System updates data in database. 8. System notifies Parent and OT/Consultant in charge. 9. The use case ends.
<p>Alternative Flow</p>	<p>Parent:</p> <p>[A1: Book Appointment]</p> <ol style="list-style-type: none"> 1. User clicks on “Add Appointment” button. 2. System displays page. 3. User chooses Appointment Type. 4. User chooses available date and time slot. 5. User clicks on “Book” button. [E1: No input data] 6. System inserts data into the database. 7. System displays successful message. 8. System notify LOE staff, OT and Consultant.

	<p>9. The use case continues to step 4 in basic flow.</p> <p>[A2: Cancel Appointment]</p> <ol style="list-style-type: none"> 1. User clicks on “Cancel” link. 2. System displays confirmation message. 3. User clicks on “OK” button. 4. System deletes data in the database. 5. System displays successful message. 6. System notify LOE staff, OT and Consultant. 7. The use case continues to step 4 in basic flow. <p>Admin:</p> <p>[A3: Cancel Appointment]</p> <ol style="list-style-type: none"> 1. User clicks on “Cancel” link. 2. System displays confirmation message. 3. User clicks on “OK” button. 4. System deletes data in the database. 5. System displays successful message. 6. System notify LOE staff, OT and Consultant. 7. The use case continues to step 4 in basic flow.
Exception Flow	[E1: No input data]

	<ol style="list-style-type: none">1. System displays an error message2. The use case continues with step 9 in alternative flow.
Post-Conditions	Data updated in database.

3.4.3.9 Manage Profile (UC0009)

Special Needs Childrens Onboarding Management System

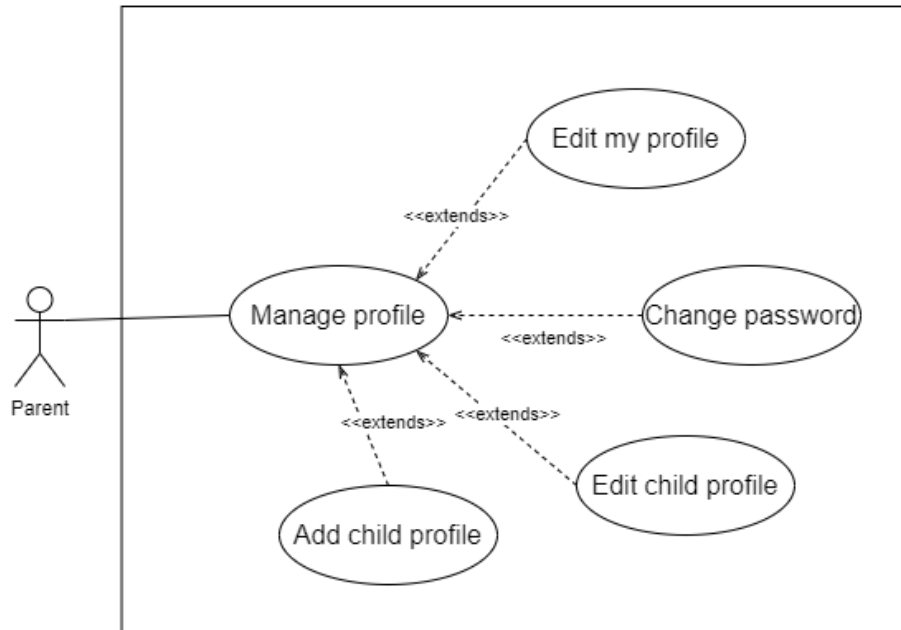


Figure 3.4.16: Use case diagram Manage Profile (UC0009)

Table 3.4.9: Use case description Manage Profile (UC0009)

Use case ID	UC0009
Use case Name	Manage profile
Brief Description	This use case is used to manage user profile
Actor	Parent
Pre-Conditions	Users logged in into the system
Basic Flow	<ol style="list-style-type: none"> 1. The use case begins when the user clicks on “Manage Profile” menu. 2. System displays Profile page.

	<p>3. User can choose following options:</p> <p>[A1: Edit My Profile]</p> <p>[A2: Change Password]</p> <p>[A3: Children’s Profile]</p> <p>4. The use case ends.</p>
<p>Alternative Flow</p>	<p>[A1: Edit My Profile]</p> <ol style="list-style-type: none"> 1. User clicks on “Edit Profile” button. 2. System displays the page. 3. User key-in details. 4. User clicks on “Save” button. [E1: Invalid Input] 5. System displays confirmation message. 6. User clicks “OK” button. 7. System updates data in the database. 8. System displays successful message. 9. The use case continues to step 4 in basic flow. <p>[A2: Change Password]</p> <ol style="list-style-type: none"> 1. User clicks on “Change Password” menu. 2. System displays the page. 3. User key-in details. 4. User clicks on “Save” button. [E2: Input Value Not Same]

	<ol style="list-style-type: none"> 5. System displays confirmation message. 6. User clicks “OK” button. 7. System updates data in the database. 8. System displays successful message. 9. The use case continues to step 4 in basic flow. <p>[A3: Children’s Profile]</p> <ol style="list-style-type: none"> 1. User clicks on “Children’s Profile” menu. 2. System displays the page. 3. User can choose following options: <p style="margin-left: 40px;">[A4: Edit Children’s Profile] [A5: Add Children’s Profile]</p> <ol style="list-style-type: none"> 4. The use case continues to step 4 in basic flow. <p>[A4: Edit Children’s Profile]</p> <ol style="list-style-type: none"> 1. User clicks on “Edit Children’s Profile” button. 2. System displays the page. 3. User key-in details. 4. User clicks on “Update” button. <p>[E3: Invalid Input]</p> <ol style="list-style-type: none"> 5. System displays confirmation message. 6. User clicks “OK” button. 7. System updates data in the database.
--	---

	<p>8. System displays successful message.</p> <p>9. The use case continues to step 4 in alternative flow.</p> <p>[A5: Add Children’s Profile]</p> <p>1. User clicks on “Add Children’s Profile” button.</p> <p>2. System displays the page.</p> <p>3. User key-in details.</p> <p>4. User clicks on “Add” button. [E4: Invalid Input]</p> <p>5. System add data in the database.</p> <p>6. System displays successful message.</p> <p>7. The use case continues to step 4 in alternative flow.</p>
<p>Exception Flow</p>	<p>E1: Invalid input</p> <p>1. System displays an error message.</p> <p>2. User clicks on “OK” button.</p> <p>3. The use case continues with steps 9 in alternative flow.</p> <p>E2: Input Value Not Same</p> <p>1. System displays an error message.</p> <p>2. User clicks on “OK” button.</p> <p>3. The use case continues with steps 9 in alternative flow.</p>

	<p>E3: Invalid input</p> <ol style="list-style-type: none"> 1. System displays an error message. 2. User clicks on “OK” button. 3. The use case continues with steps 9 in alternative flow. <p>E4: Invalid input</p> <ol style="list-style-type: none"> 1. System displays an error message. 2. User clicks on “OK” button. 4. The use case continues with steps 7 in alternative flow.
Post-Conditions	Data updated in database.

3.4.3.10 Manage Parent Initial Info (M3) (UC0010)

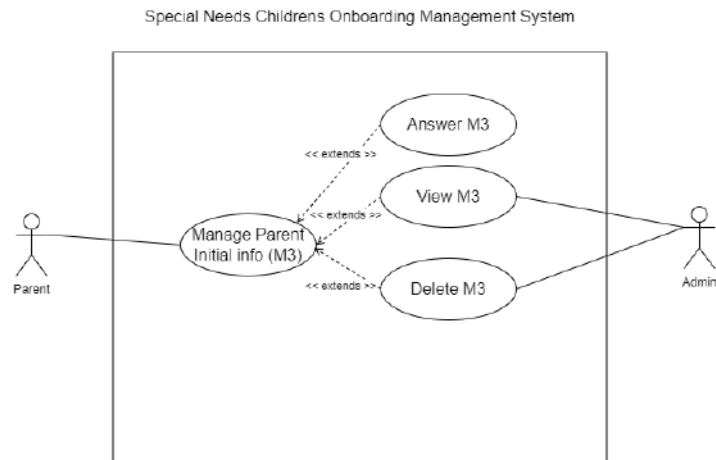


Figure 3.4.17: Use case diagram Manage Parent Initial Info (M3) (UC0010)

Table 3.4.10: Use case description Manage Parent Initial Info (M3) (UC0010)

Use case ID	UC0010
Use case Name	Manage Parent Initial Info (M3)
Brief Description	<p>This use case is used for parent to answer the M3 questionnaire.</p> <p>Admin is able to view and delete the data if parent is requested to re-submit M3.</p>
Actor	Parent and Admin
Pre-Conditions	<ul style="list-style-type: none"> • Users logged in into the system. • Users must book appointment first

<p>Basic Flow</p>	<p>Parent</p> <ol style="list-style-type: none"> 1. The use case begins when the user clicks on “Parent Initial Info” menu. 2. System displays page. 3. User key-in the answer. 4. User clicks on “Submit” button to submit the form. [E1: Invalid Input] 5. System adds data into the database. 6. System displays successful message. 7. The use case ends. <p>Admin</p> <ol style="list-style-type: none"> 1. The use case begins when the user clicks on “Parent Initial Info (M3)” menu. 2. System displays the list of M3. 3. Users can choose following options: [A1: View M3] [A2: Delete M3] 4. Use case end.
<p>Alternative Flow</p>	<p>[A1: View M3]</p> <ol style="list-style-type: none"> 1. The use case begins when the user clicks on “View” link. 2. System displays the M3 details. 3. The use case continues to step 4 in basic flow. <p>[A2: Delete M3]</p> <ol style="list-style-type: none"> 1. The use case begins when the user clicks on “Delete” link. 2. The system displays confirmation box.

	<ol style="list-style-type: none"> 3. User clicks on “Yes” button. 4. System deletes the data. 5. The use case continues to step 4 in basic flow.
Exception Flow	<p>E1: Invalid input</p> <ol style="list-style-type: none"> 1. System displays an error message 2. User clicks on “OK” button. 3. The use case continues with steps 7 in alternative flow.
Post-Conditions	Data add in database.

3.4.4 Activity Diagram

3.4.4.1 Login

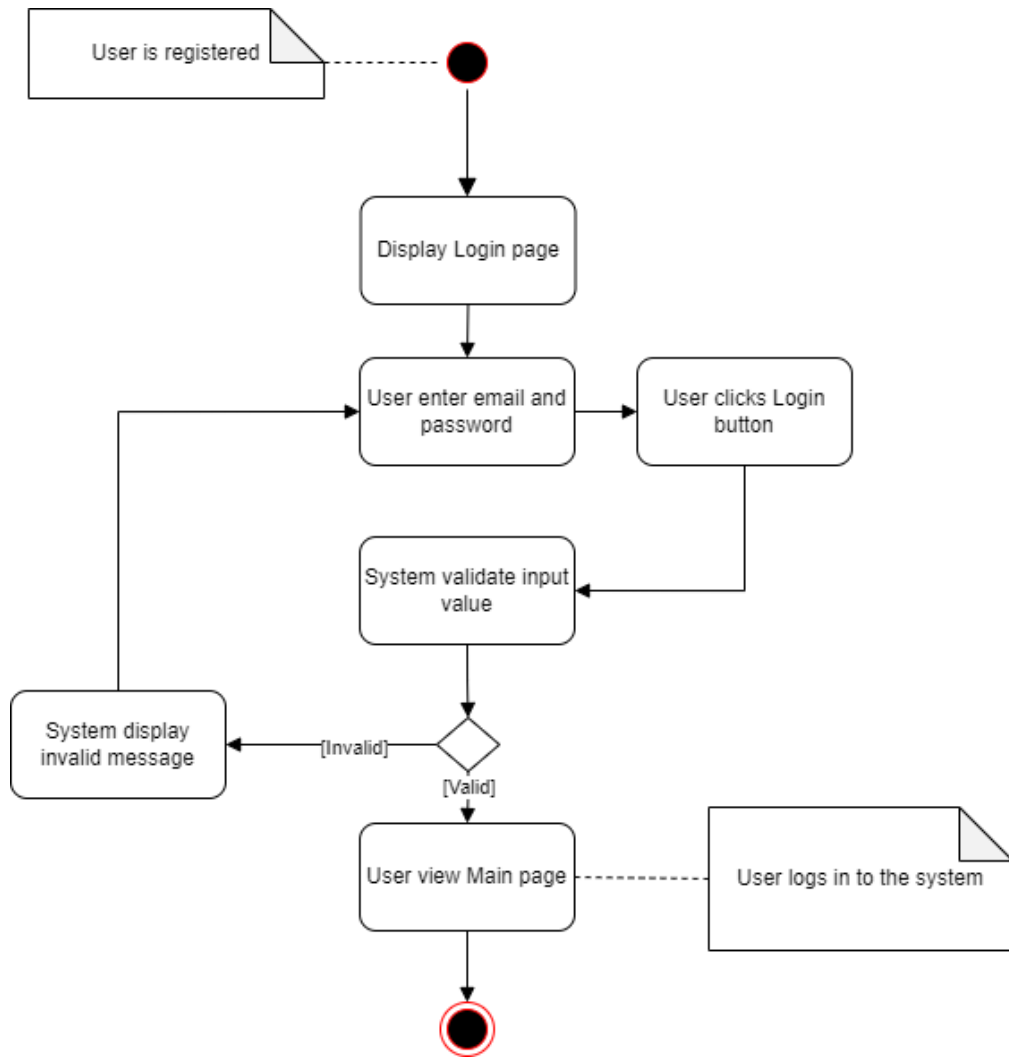


Figure 3.4.18: Activity diagram Login

3.4.4.2 Manage User System

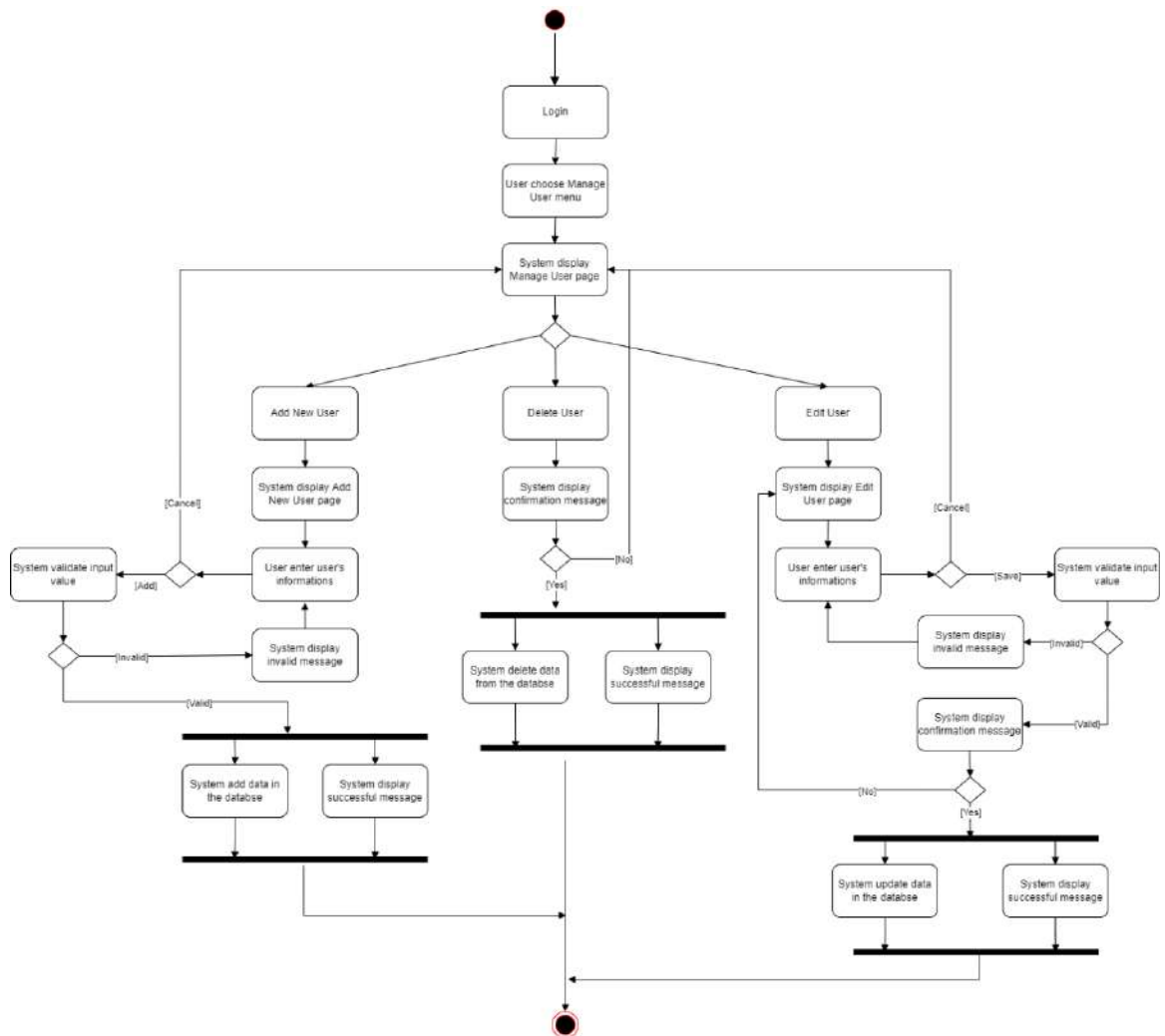


Figure 3.4.19: Activity diagram Manage User System

3.4.4.3 Manage Report

Admin

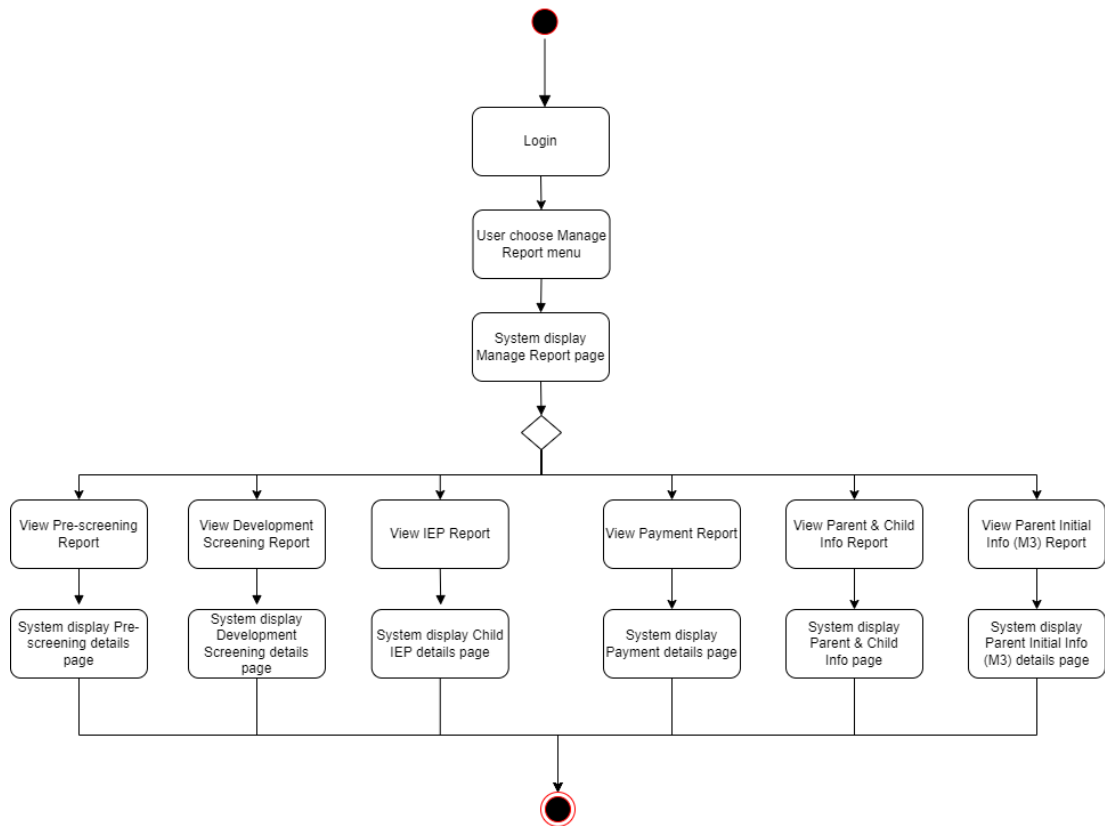


Figure 3.4.20: Activity diagram Manage Report (Admin)

LOE staff

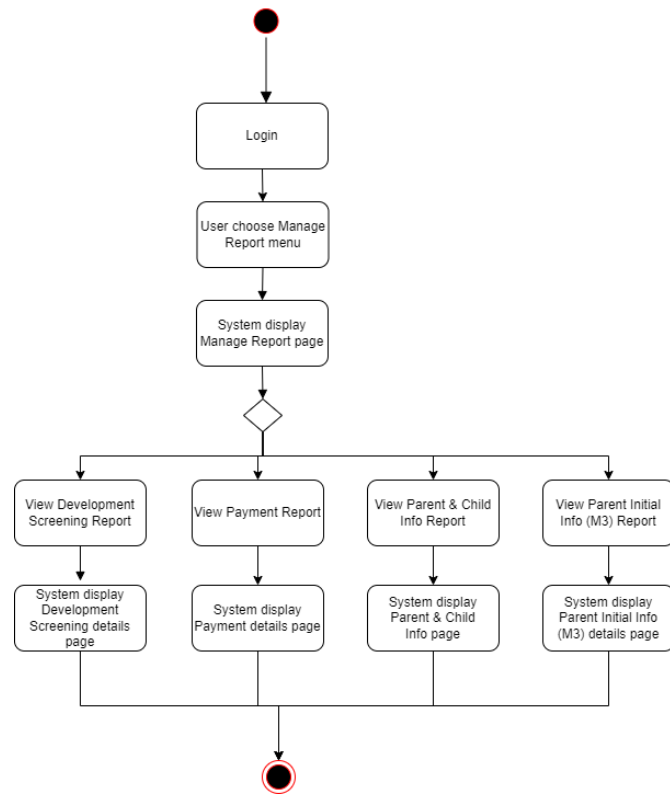


Figure 3.4.21: Activity diagram Manage Report (LOE staff)

Parent

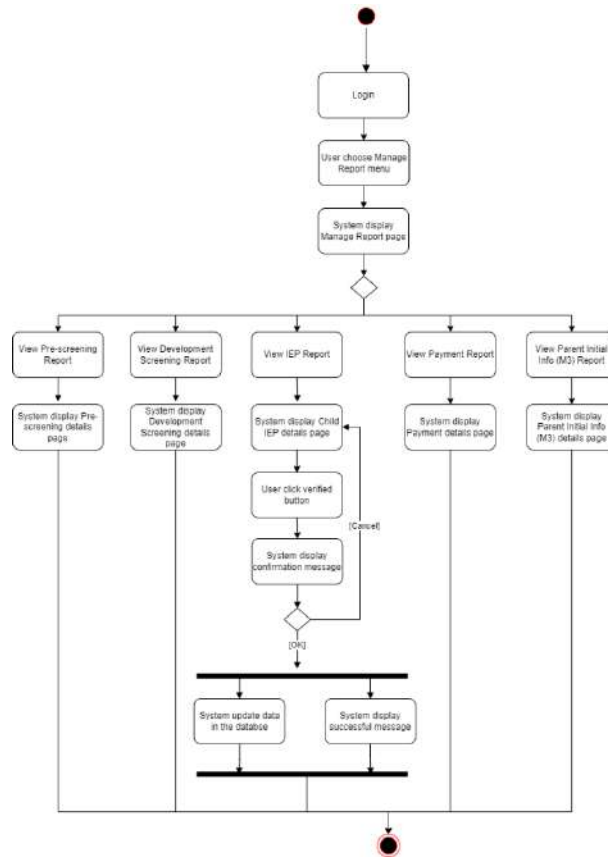


Figure 3.4.22: Activity diagram Manage Report (Parent)

OT

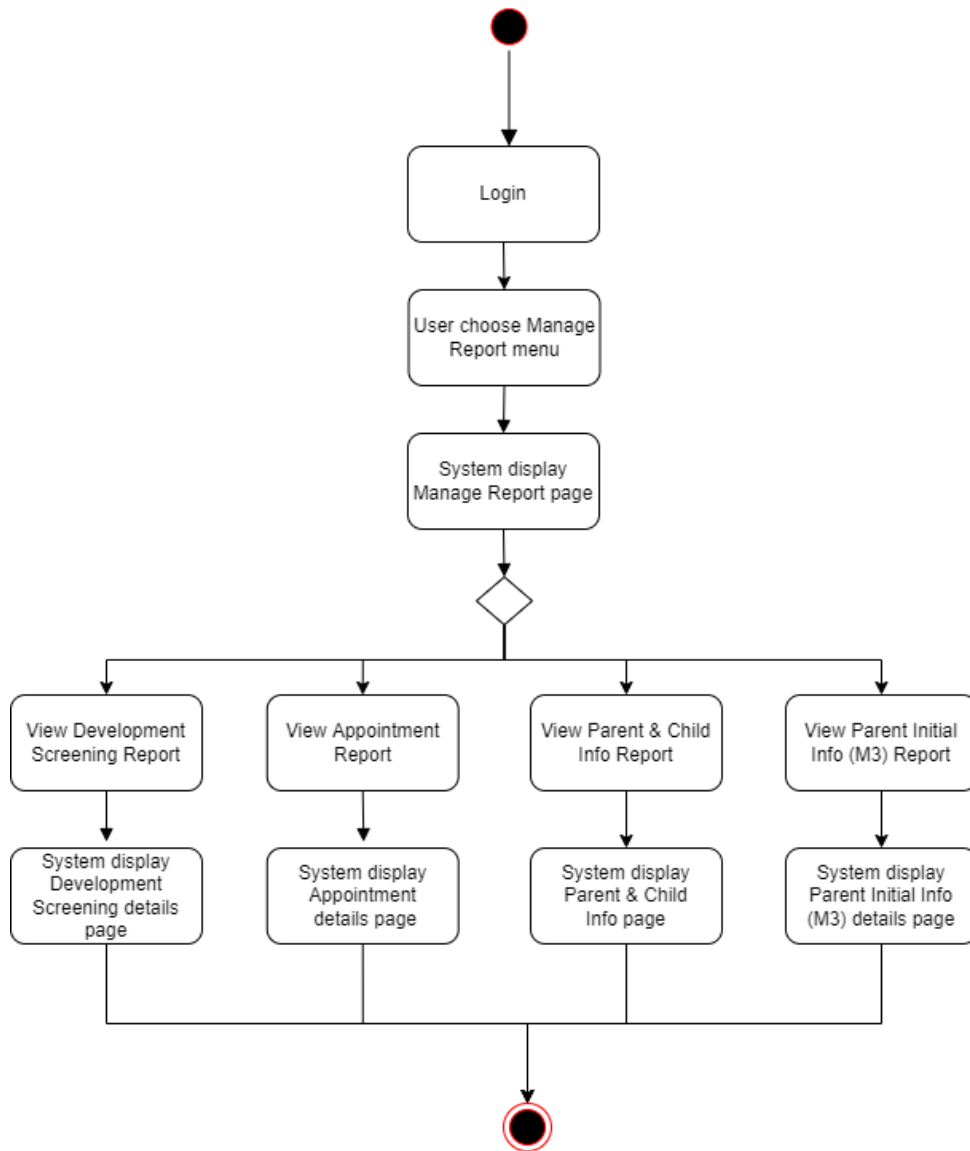


Figure 3.4.23: Activity diagram Manage Report (OT & Consultant)

Consultant

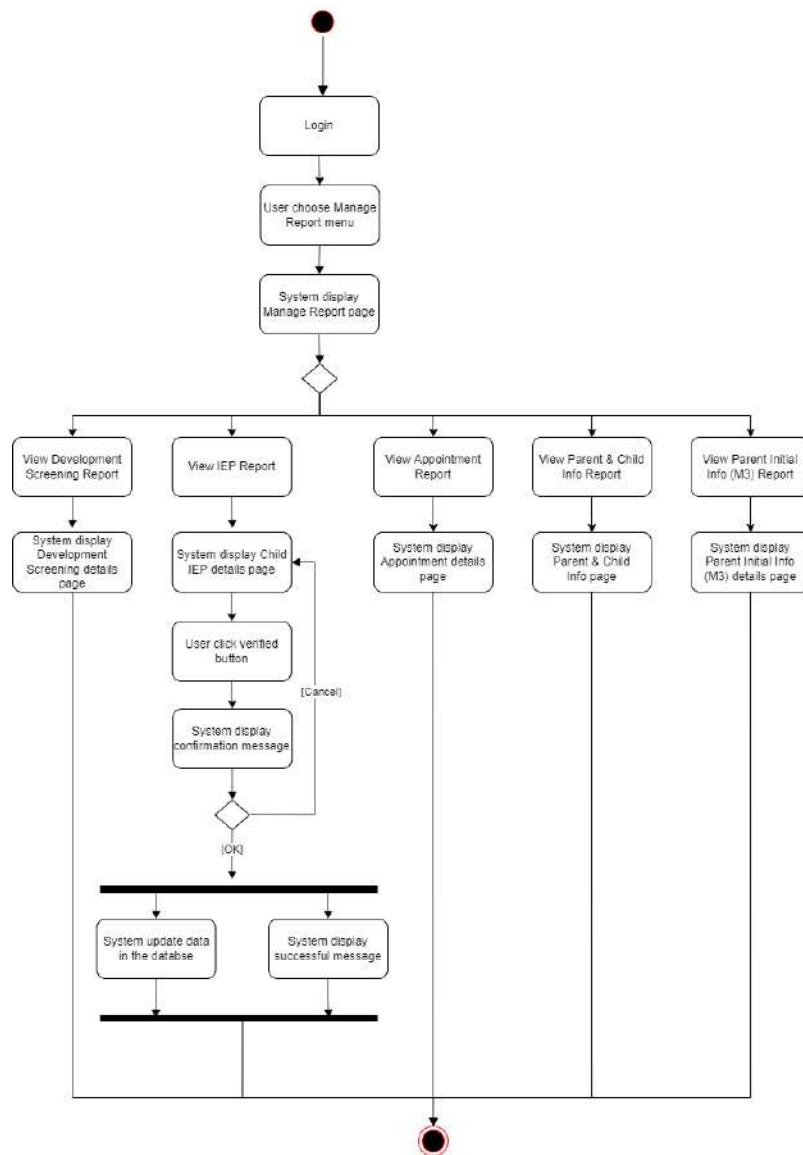


Figure 3.4.24: Activity diagram Manage Report (Consultant)

3.4.4.4 Manage Child IEP

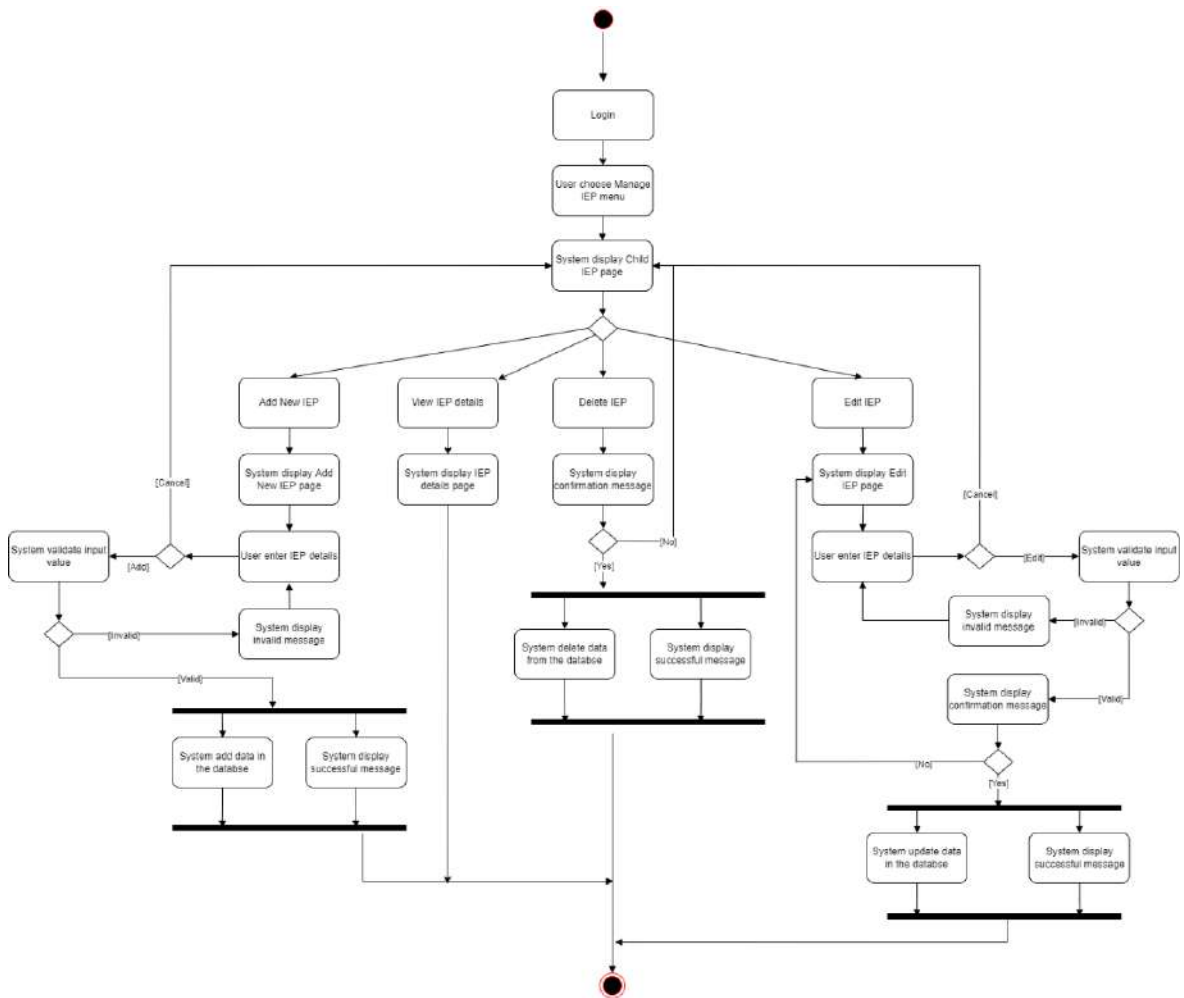


Figure 3.4.25: Activity diagram Manage IEP

3.4.4.5 Manage Pre-screening

Parent

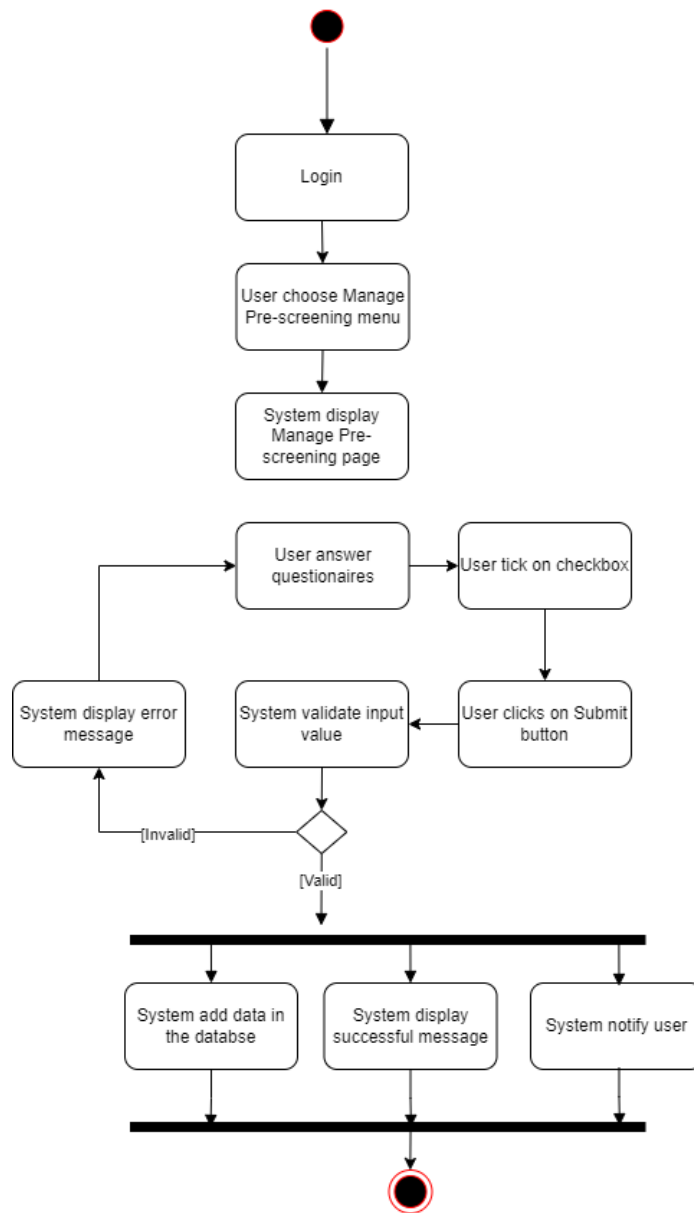


Figure 3.4.26: Activity diagram Manage Pre-screening (Parent)

LOE staff and OT

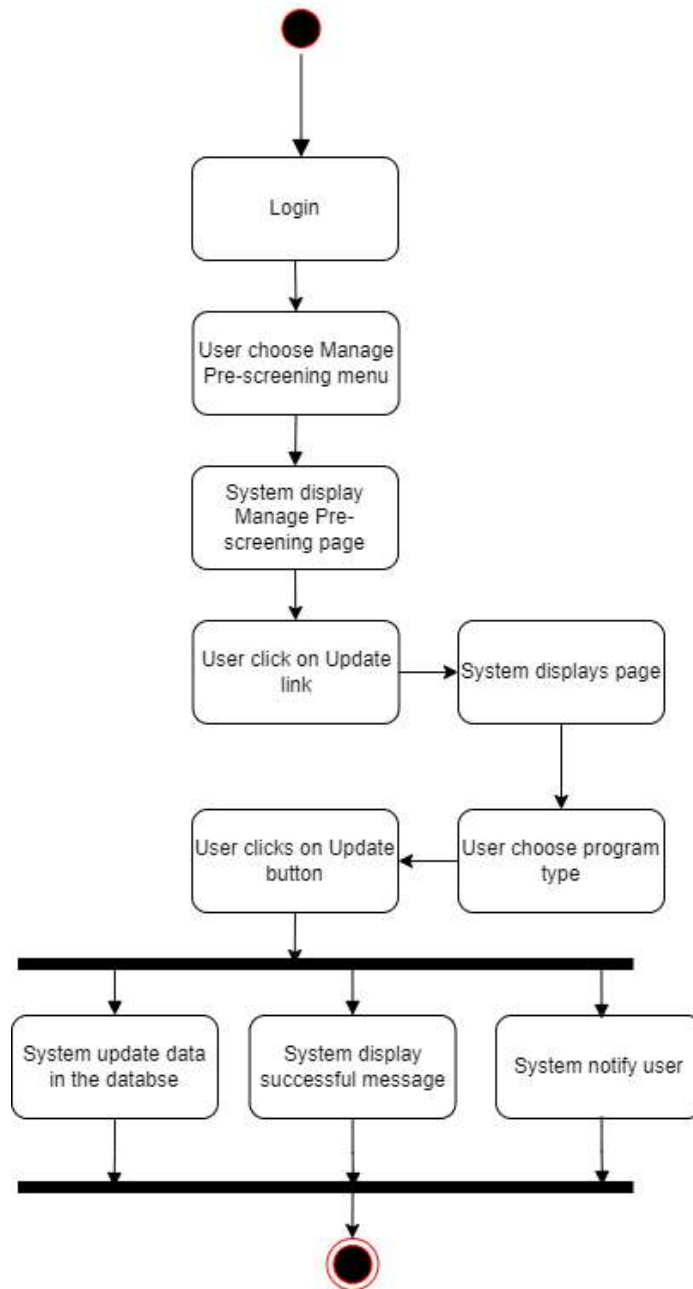


Figure 3.4.27: Activity diagram Manage Pre-screening (LOE staff and OT)

Admin

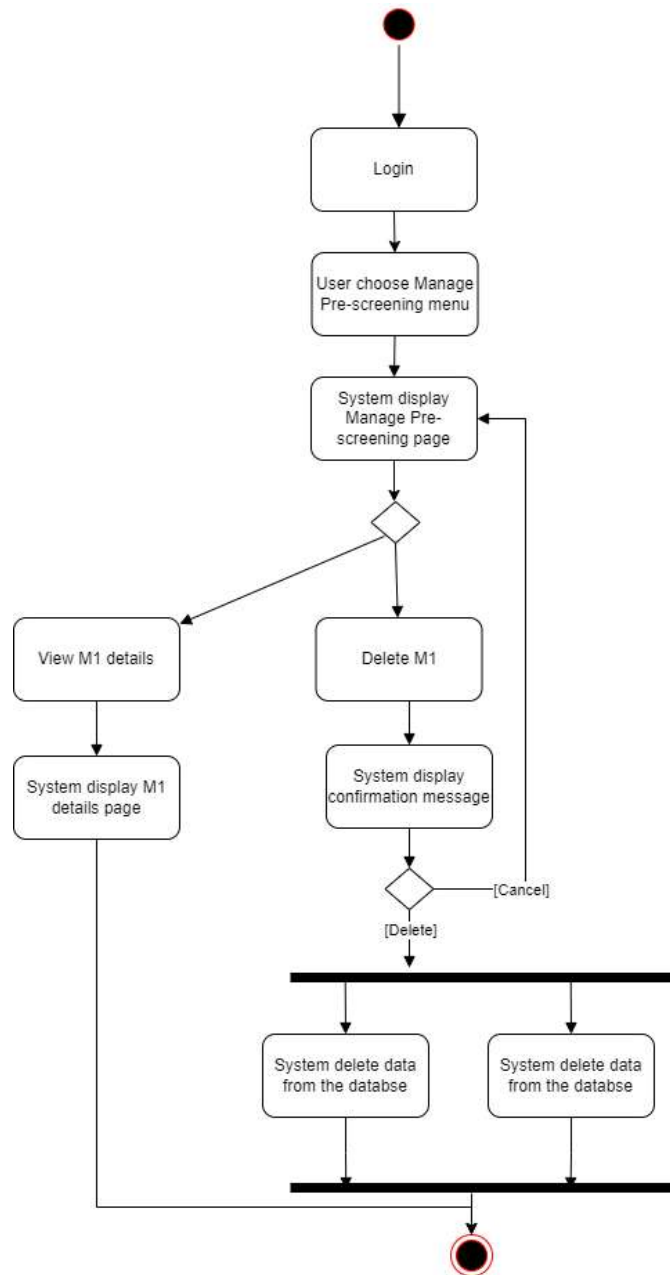


Figure 3.4.28: Activity diagram Manage Pre-screening (Admin)

3.4.4.6 Manage Parent Initial Info (M3)

Parent

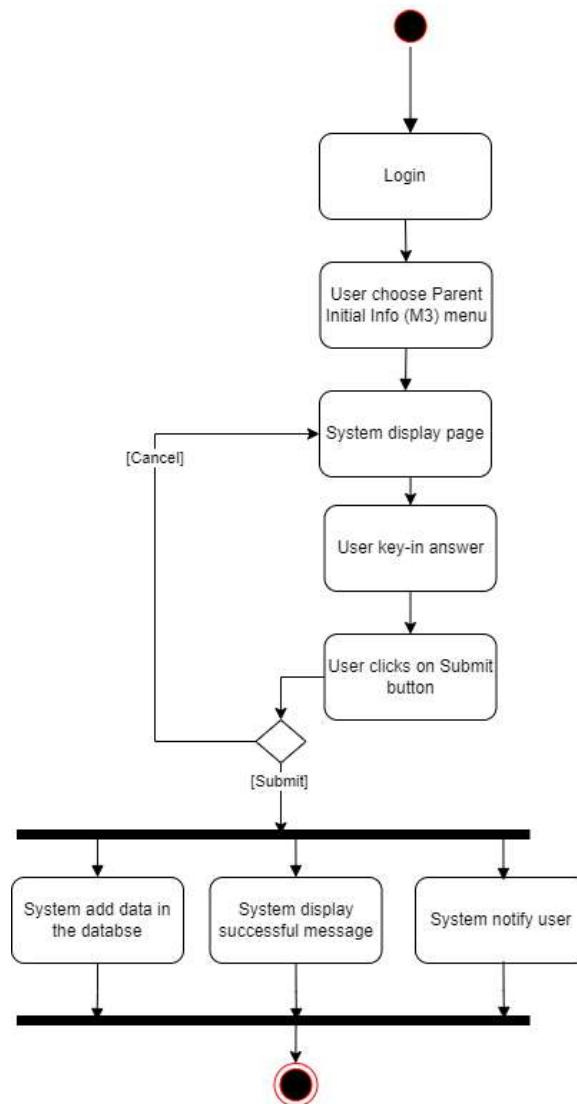


Figure 3.4.29: Activity diagram Manage Parent Initial Info (M3) (Parent)

Admin

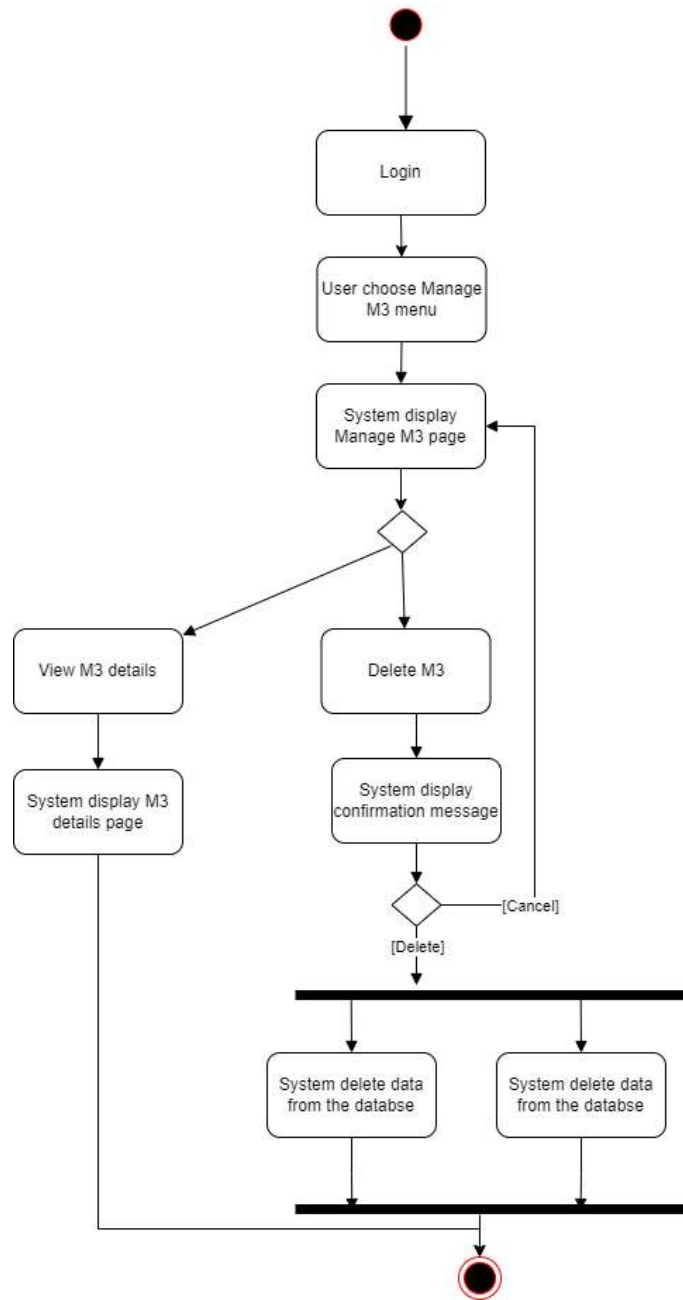


Figure 3.4.30: Activity diagram Manage Parent Initial Info (M3) (Admin)

3.4.4.7 Manage Payment

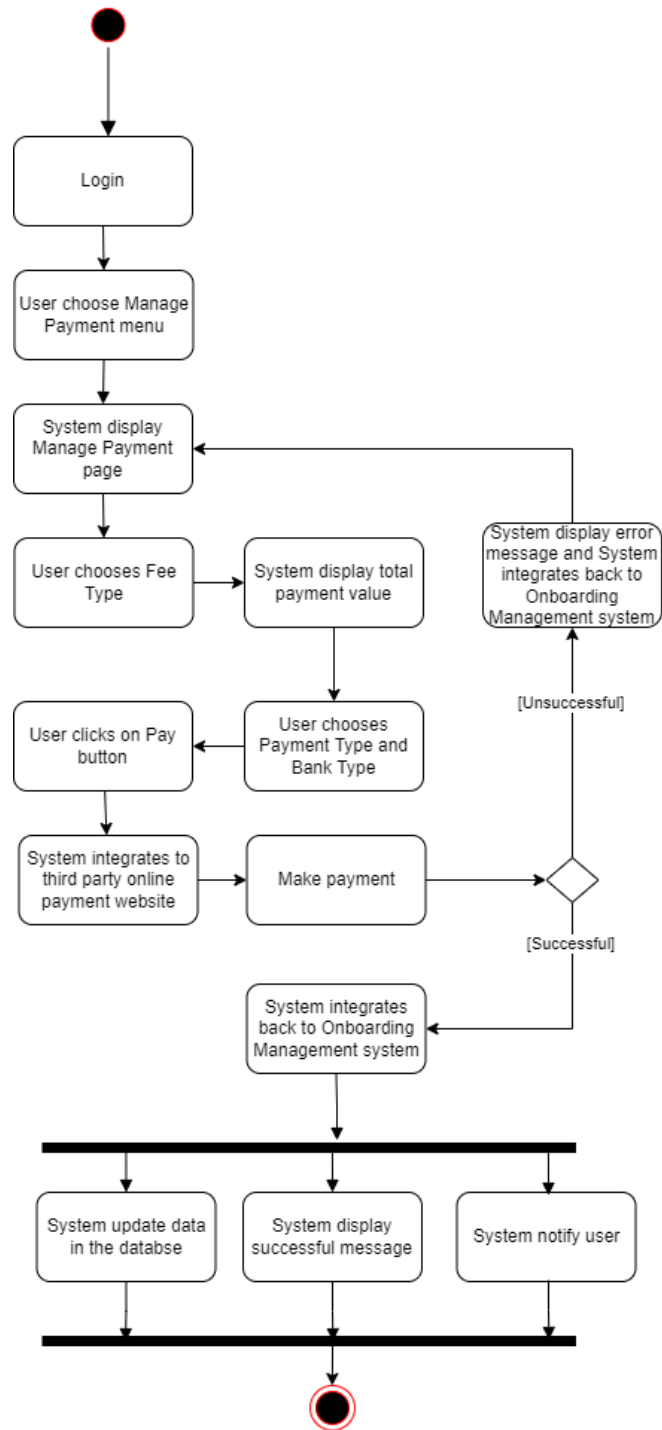


Figure 3.4.31: Activity diagram Mange Payment

3.4.4.8 Register

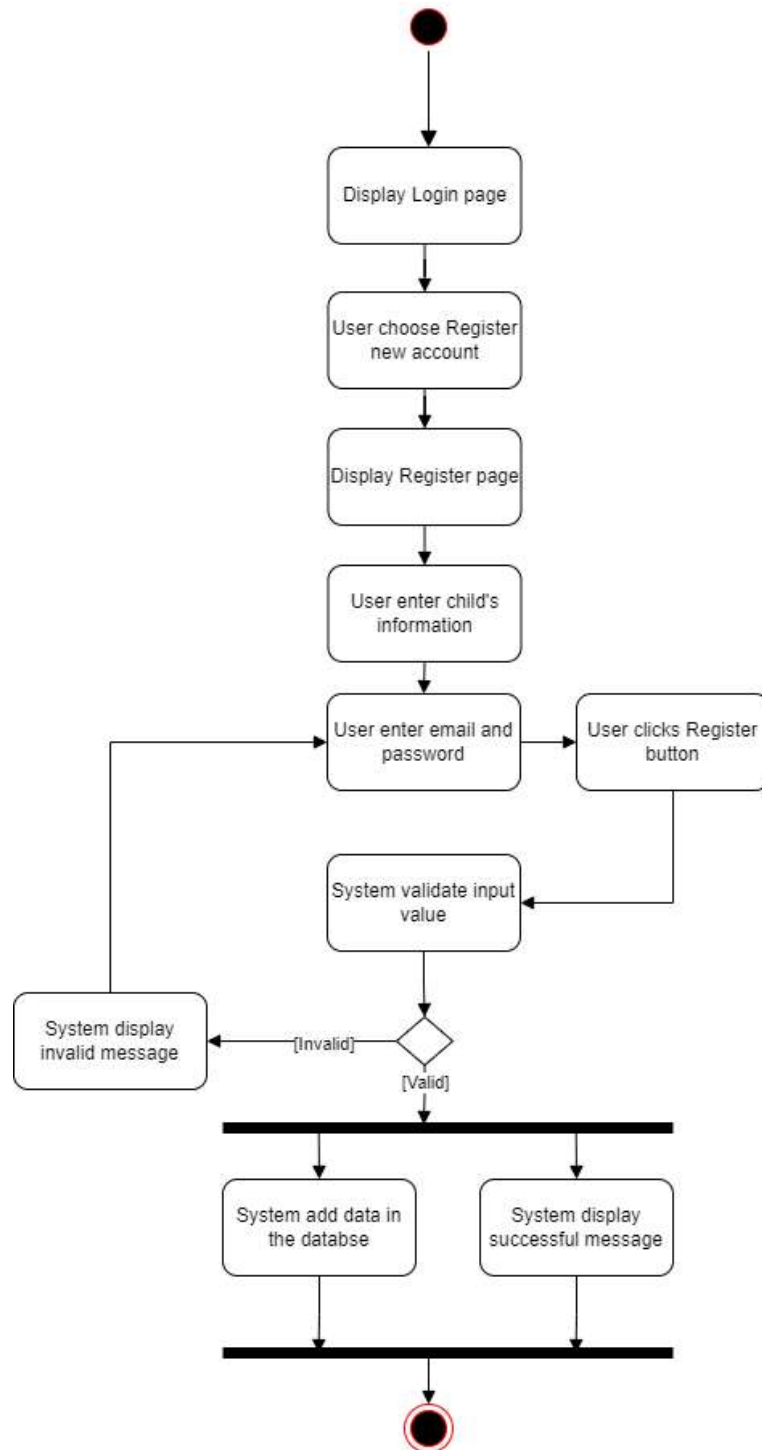


Figure 3.4.32: Activity diagram Register

3.4.4.9 Manage Appointment

Parent

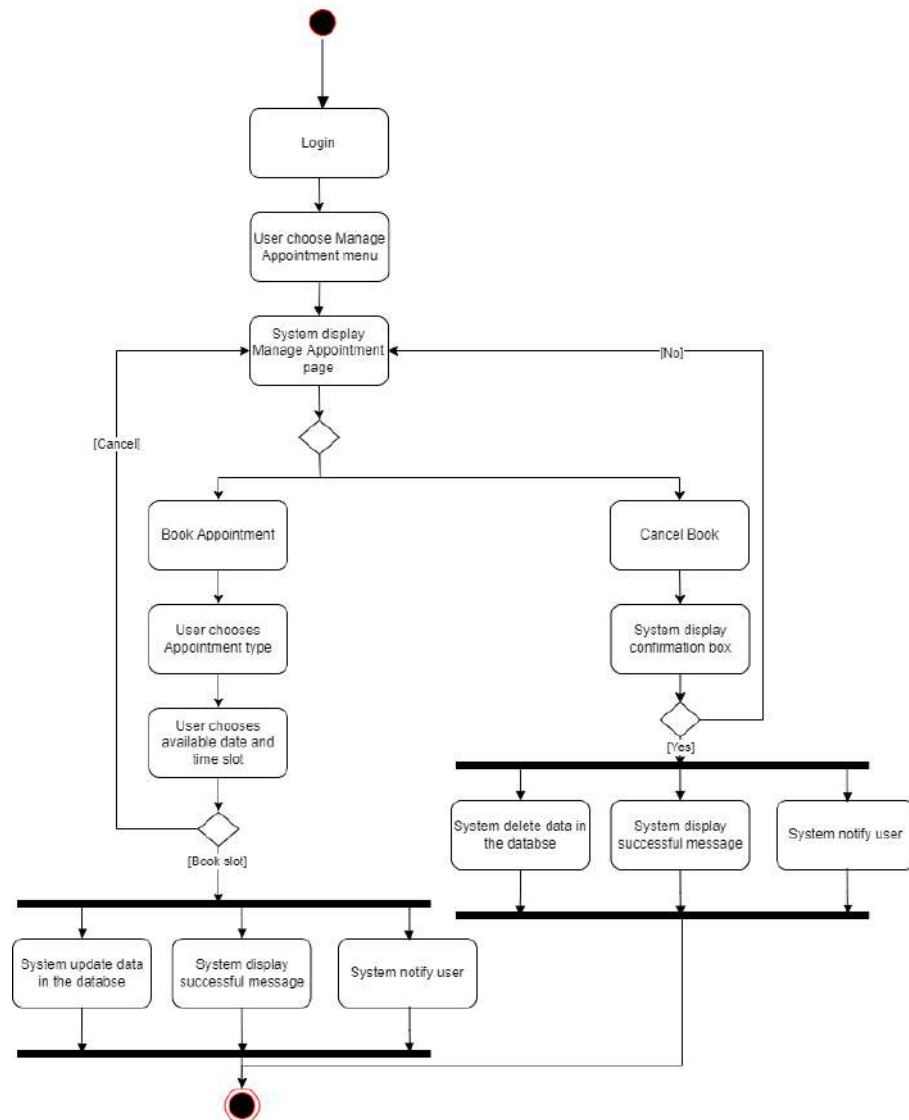


Figure 3.4.33: Activity diagram Manage Appointment (Parent)

Admin

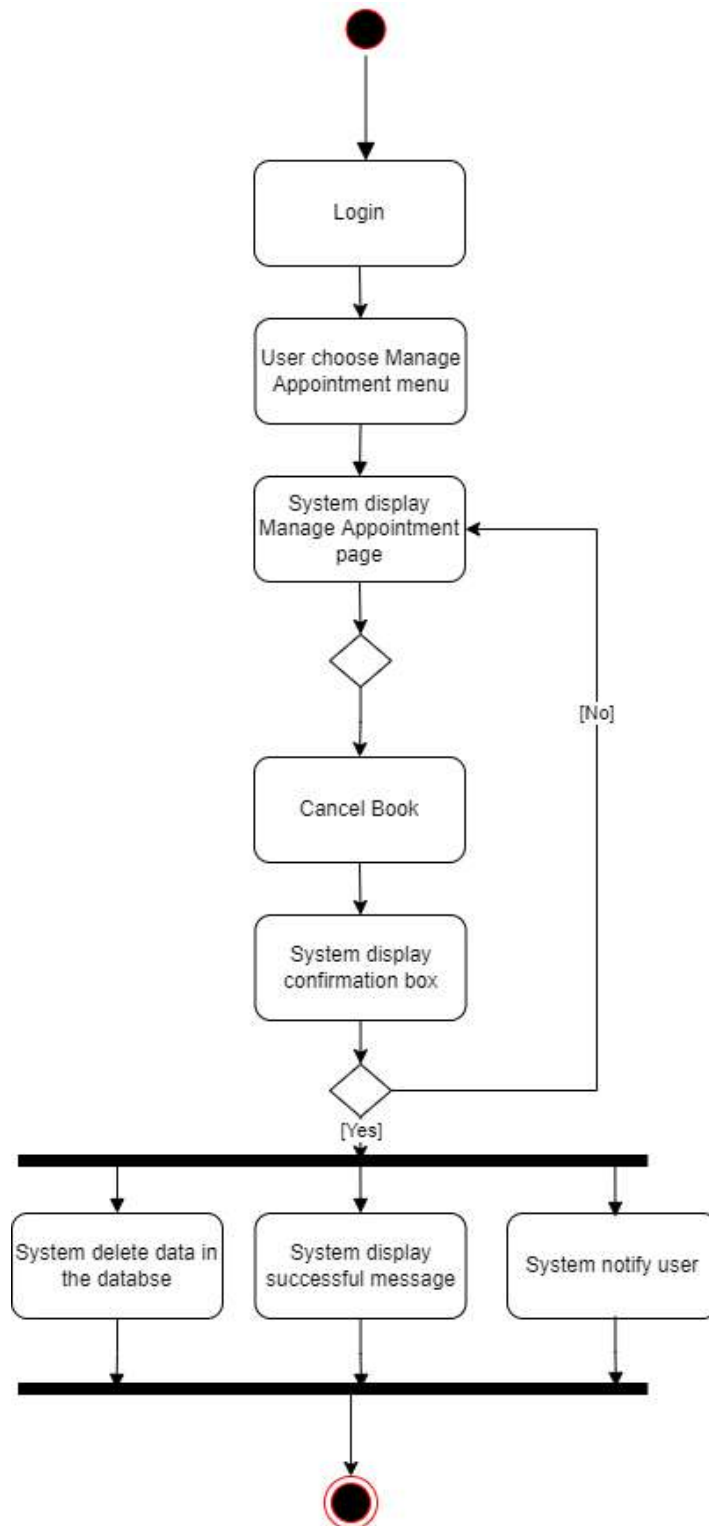


Figure 3.4.34: Activity diagram Manage Appointment (Admin)

LOE staff

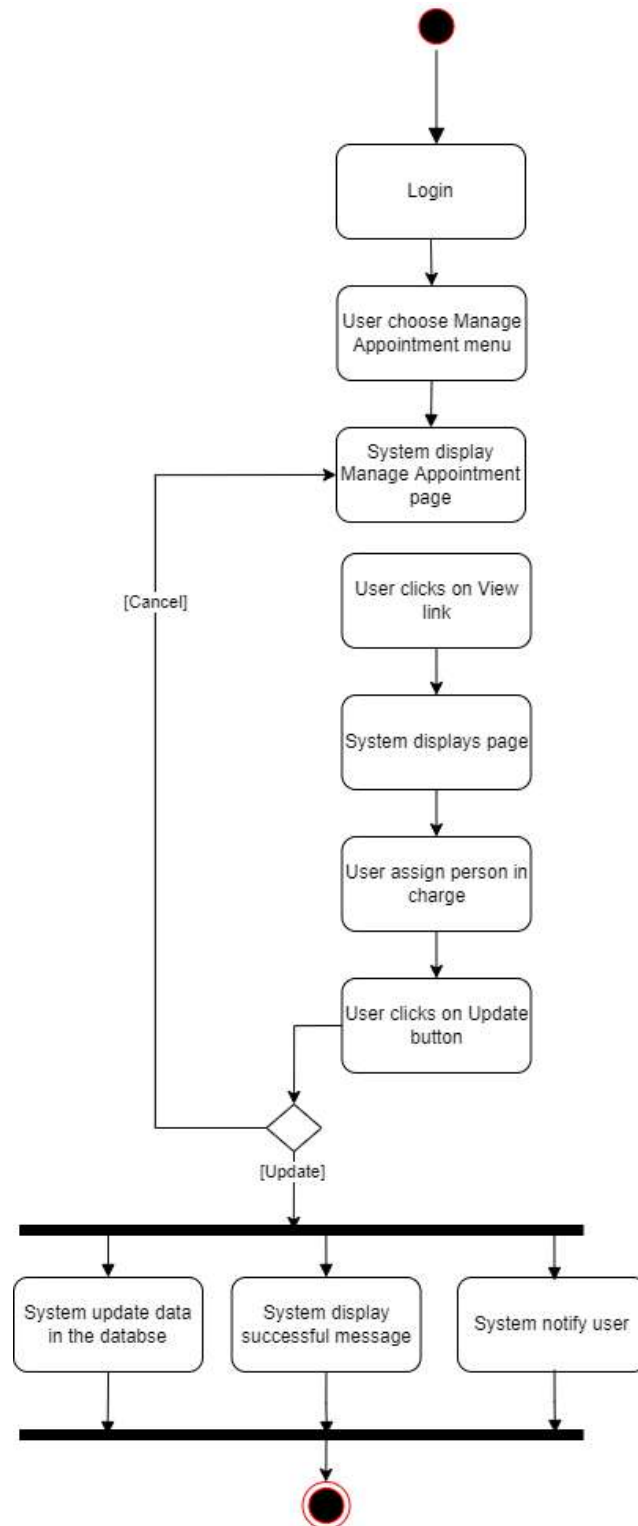


Figure 3.4.35: Activity diagram Manage Appointment (LOE staff)

3.4.4.10 Manage Profile

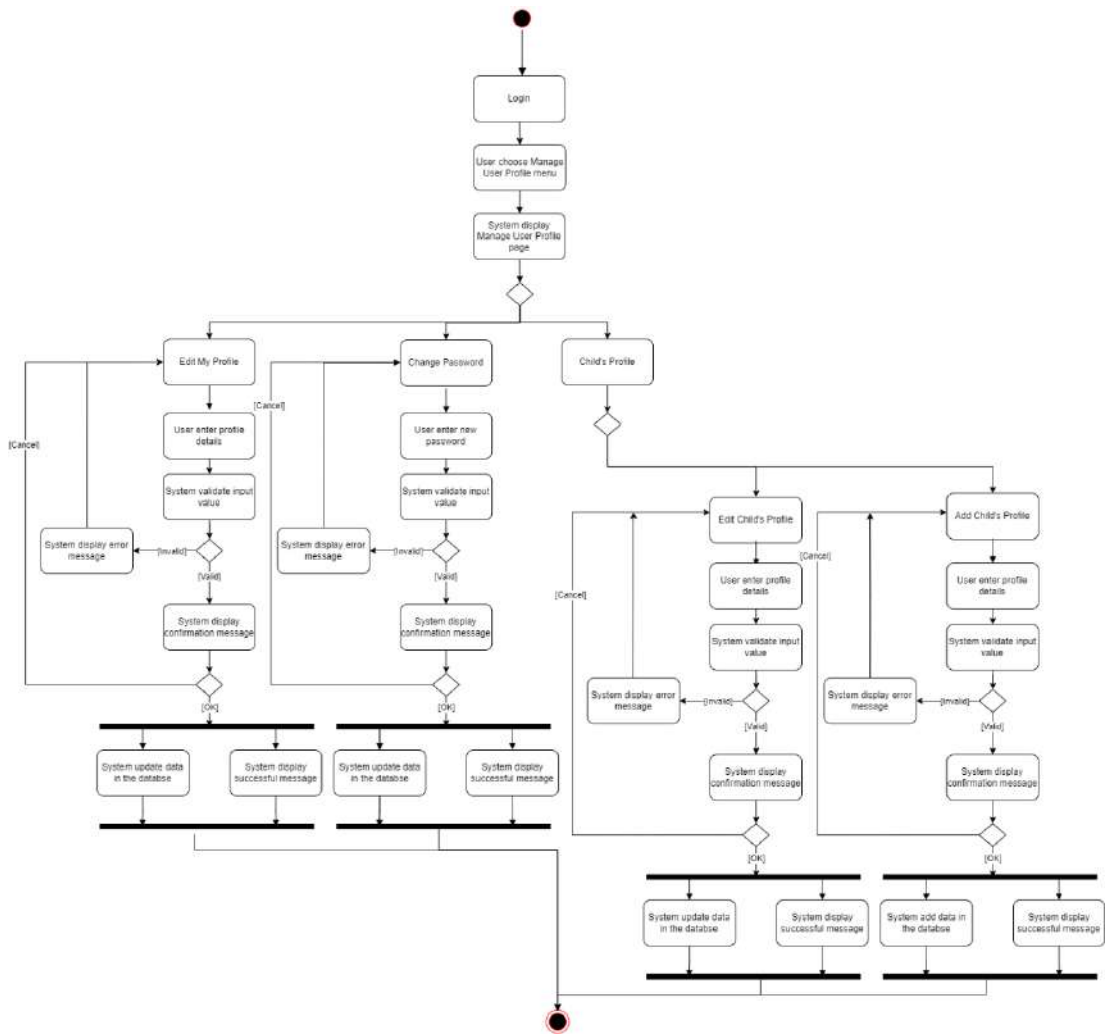


Figure 3.4.36: Activity diagram Manage Profile

3.4.5 Storyboard

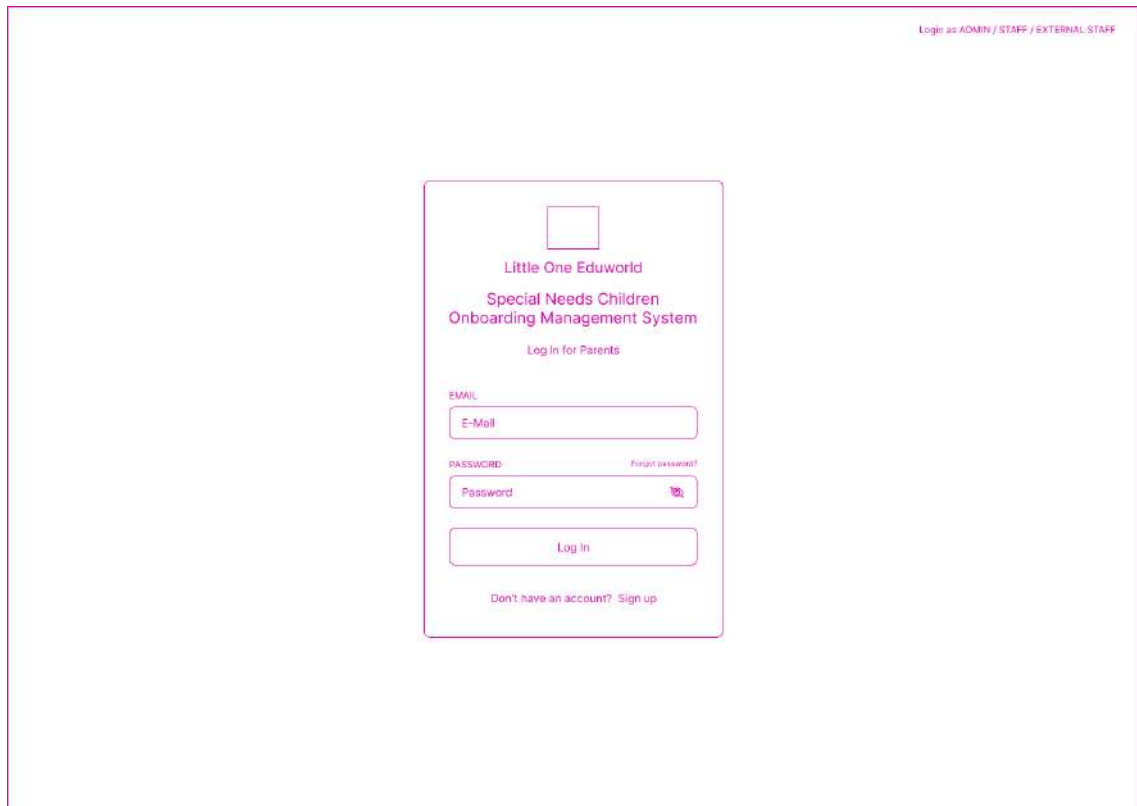


Figure 3.4.37: Login page for Parent

- This is the login page for the parent.
- Users can click “Sign up” link to register new account.
- Users must enter registered email and password.
- Users click the login button to login and navigate to the parent dashboard page.

[Go back to Login page](#)



Little One Eduworld
Special Needs Children
Onboarding Management System
Register New Account

NAME	PHONE NUMBER
<input type="text" value="Name"/>	<input type="text" value="Phone Number"/>
EMAIL	FAMILY RELATION
<input type="text" value="Email"/>	<input type="text" value="Family Relation"/>
IC NUMBER	HOME ADDRESS
<input type="text" value="IC Number"/>	<input type="text" value="Address"/>
PASSWORD	
<input type="password" value="Password"/>	
RETYPE PASSWORD	
<input type="password" value="Retype Password"/>	

Figure 3.4.38: Register page

- This is the register account page for the parent.
- Users must enter all the required information.
- Users click the “Create New Account” button to create account and navigate to the parent login page.

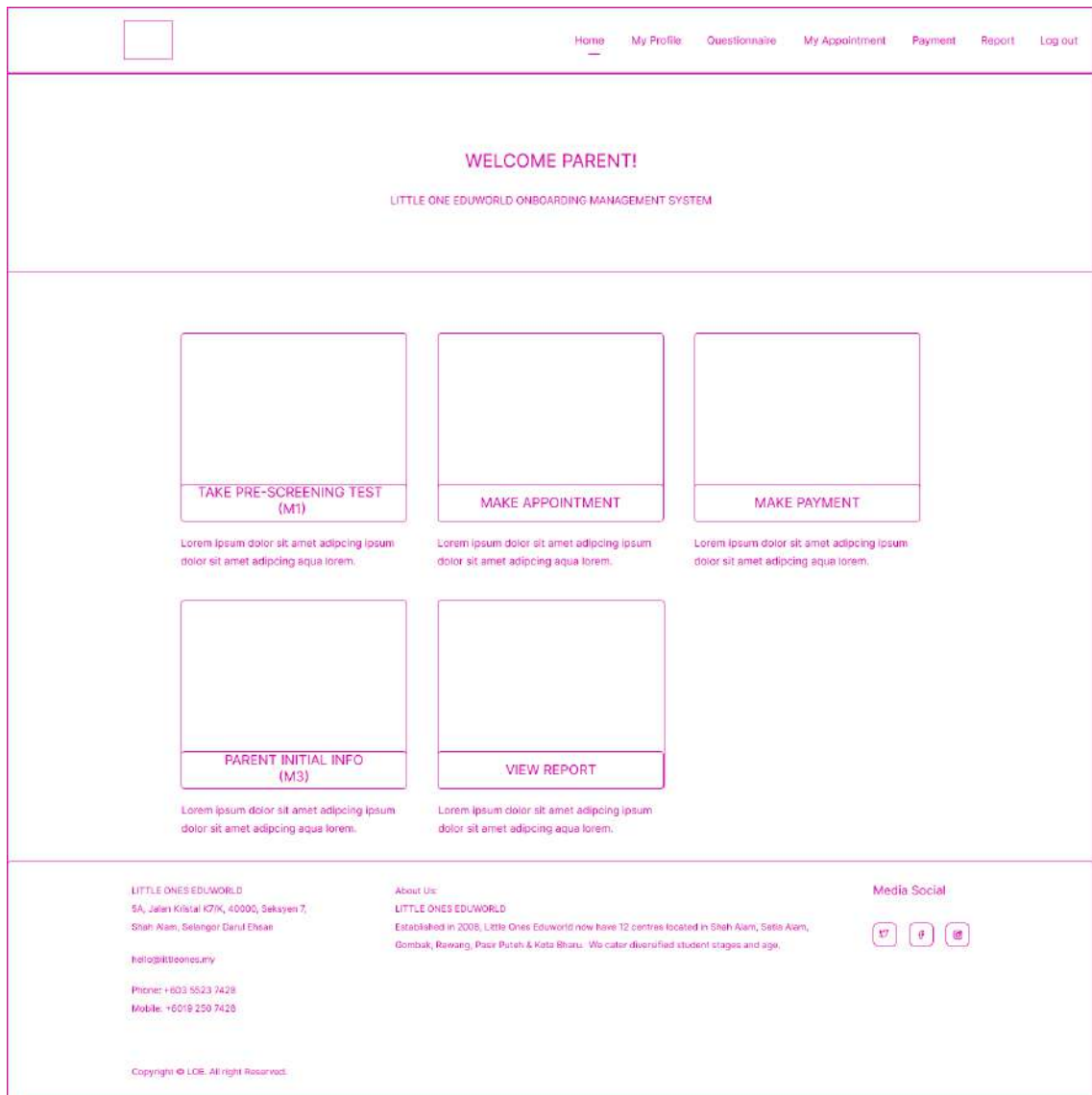


Figure 3.4.39: Parent dashboard page

- This is the dashboard page for the parent.
- Users can choose any menu in dashboard page.
- Users click the “Take Pre-screening Test” menu, it will navigate to the Pre-screening page.
- Users click the “Make appointment” menu, it will navigate to the Appointment page.

- Users click the “Make Payment” menu, it will navigate to the Payment page.
- Users click the “Parent Initial Info” menu, it will navigate to the Parent Initial Info page.
- Users click the “View Report” menu, it will navigate to the Report dashboard page.

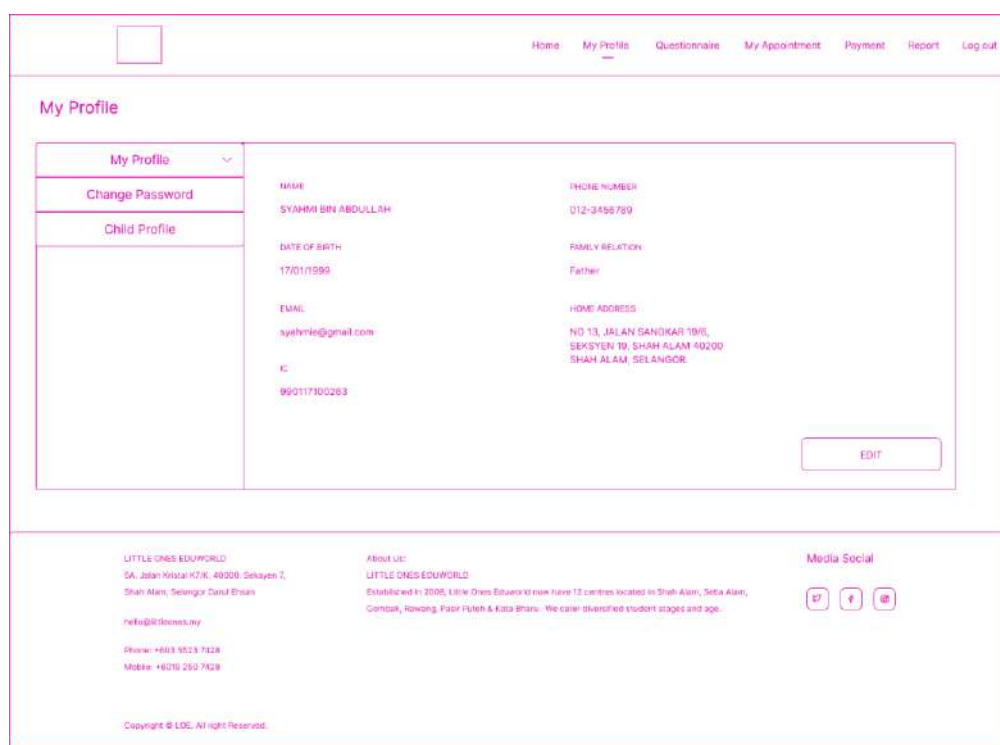


Figure 3.4.40: My Profile page

- This is the My Profile page for the parent.
- Users can choose any menu in this page.
- Users click the “Edit” button, it will navigate to the Edit My Profile page.
- Users can change password by click on “Change Password” menu.
- Users can view, add, edit Child Profile by click on “Child Profile” menu.

Home My Profile Questionnaire My Appointment Payment Report Log out

My Profile

My Profile ▾

Change Password

Child Profile

Edit My Profile

NAME
SYAHMI BIN ABDULLAH

PHONE NUMBER
012-3456789

DATE OF BIRTH
17/01/1999

FAMILY RELATION
Father

EMAIL
syahmi@gmail.com
*Contact us to change the email

HOME ADDRESS
NO 13, JALAN SANGKAR 19/6, SEKSYEN 19, SHAH ALAM 40200 SHAH ALAM, SELANGOR.

IC
990117100263

SAVE

LITTLE ONES EDUWORLD
5A, Jalan Kristal K7/K, 40000, Seksyen 7,
Shah Alam, Selangor Darul Ehsan

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Established in 2005, Little Ones Eduworld now have 12 centres located in Shah Alam, Setia Alam,
Gombak, Rawang, Pagar Putih & Kota Bharu. We cater diversified student stages and age.

Media Social

Facebook, Instagram, Twitter icons

Figure 3.4.41: Edit My Profile page

- This is the Edit My Profile page for the parent.
- Users must key in all the required fields.
- Users click the “Save” button, it will navigate to the My Profile page.

Home My Profile Questionnaire My Appointment Payment Report Log out

My Profile

My Profile ▼

Change Password

Child Profile

Change Password

PASSWORD

Password show

RETYPE PASSWORD

Retype Password show

SAVE

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WhatsApp Facebook Instagram

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Figure 3.4.42: Change password page

- This is the Change Password page for the parent.
- Users must key in all the required fields.
- Users click the “Save” button to save the changes, it will logged out and navigate to the Login page.

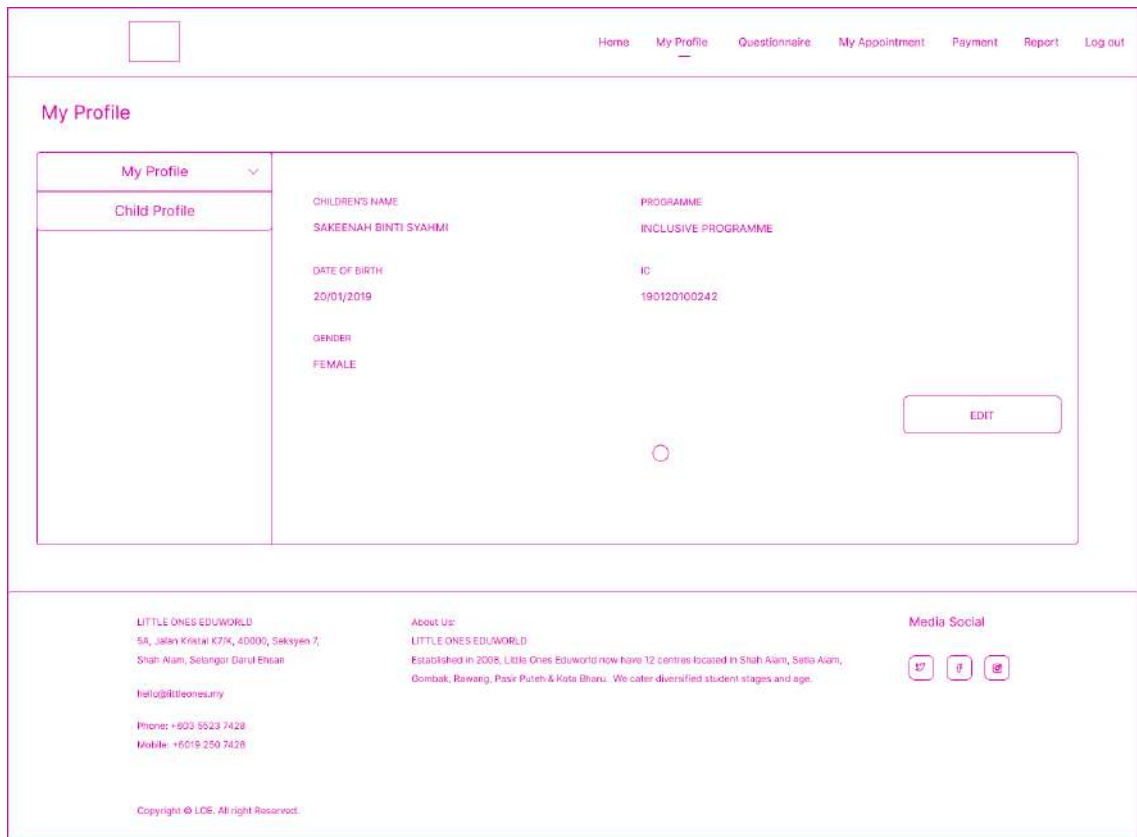


Figure 3.4.43: Child Profile page

- This is the Child Profile page for the child.
- Users click the “Edit” button to edit, it will navigate to the Edit Child Profile page.
- Users can click plus icon to Add Child Profile, it will navigate to Add Child Profile page.

Home My Profile Questionnaire My Appointment Payment Report Log out

My Profile

My Profile Child Profile

Edit Child Profile

CHILDREN'S NAME
SAKEENAH BINTI SYAHMI

PROGRAMME
INCLUSIVE PROGRAMME

DATE OF BIRTH
20/01/2019

GENDER
FEMALE

IC
190120100242

SAVE

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Figure 3.4.44: Edit Child Profile page

- This is the Edit Child Profile page for the child.
- Users must key in all the required fields.
- Users click the “Save” button, it will navigate to the Child Profile page.

The screenshot shows a web application interface for adding a child profile. At the top, there is a navigation menu with the following items: Home, My Profile, Questionnaire, My Appointment, Payment, Report, and Log out. Below the navigation, the page is titled "My Profile". On the left side, there is a sidebar with two menu items: "My Profile" (with a dropdown arrow) and "Child Profile". The main content area is titled "Add Child Profile" and contains a form with the following fields:

- CHILDREN'S NAME: A text input field.
- IC: A text input field.
- DATE OF BIRTH: A date picker field.
- GENDER: A text input field.

An "ADD" button is located at the bottom right of the form. Below the form, there is a footer section with the following content:

- LITTLE ONES EDUWORLD**
5A, Jalan Kristal K7/K, 40000, Seksyen 7,
Shah Alam, Selangor Darul Ehsan
Hello@littleonesmy
- About Us:**
LITTLE ONES EDUWORLD
Established in 2008, Little Ones Eduworld now have 12 centres located in Shah Alam, Setia Alam,
Gombak, Rawang, Pasir Puteh & Kota Bharu. We cater diversified student stages and age.
- Media Social**
Icons for WhatsApp, Facebook, and Instagram.
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Figure 3.4.45: Add Child Profile page

- This is the Edit Add Child Profile page.
- Users must key in all the required fields.
- Users click the “Add” button, it will navigate to the Child Profile page.

Home My Profile Questionnaire **My Appointment** Payment Report Log out

My Appointment

BOOK APPOINTMENT

No	TYPE	DATE	TIME	ACTION
1	PERJUMPAAN PERTAMA (P1)	01/01/2023	09:00 AM	CANCEL BOOK

LITTLE ONES EDUWORLD
 SA, Jalan Kristal K2/K, 40000, Seksyen 7,
 Shah Alam, Selangor Darul Ehsan
 halo@littleses.my
 Phone: +603 5523 7428
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Figure 3.4.46: Appointment page

- This is the Appointment page for the parent.
- Users can cancel book by click on Cancel Book link.
- Users click the “Book Appointment” button, it will navigate to the Book Appointment page.

Home My Profile Questionnaire My Appointment Payment Report Log out

My Appointment

Book Appointment

APPOINTMENT TYPE

DATE

TIME SLOT

LITTLE ONES EDUWORLD
 5A, Jalan Kristal K7X, 40000, Seksyen 7,
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Figure 3.4.47: Book appointment page

- This is the Book Appointment page for the parent.
- Users must key in all the required fields.
- Users click the “Book slot” button, it will navigate to the Appointment page.

Home My Profile Questionnaire My Appointment **Payment** Report Log out

Payment

FEE TYPE

TOTAL PAYMENT

BANK NAME

PAYMENT TYPE

REMARKS

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Figure 3.4.48: Make Payment page

- This is the Make payment page for the parent.
- Users must key in all the required fields.
- Users click the “Pay” button, it will navigate to the external system then, dashboard page.



Figure 3.4.49: Questionnaire dashboard page

- This is the Questionnaire dashboard page for the parent.
- Users can choose any menu in the dashboard.
- Users click the “Take Pre-screening Test” menu, it will navigate to the Pre-screening page.
- Users click the “Parent Initial Info” menu, it will navigate to the Parent Initial Info page.

Home My Profile Questionnaire My Appointment Payment Report Log out

Pre-Screening (M1)

1. **SIKAP ANAK BERSAMA SAMA**

1. Apa yang biasanya paling membuat senang anak?

2. Dah pernah bawa anak jumpa doktor/terapi?
 Ya Tidak

3. Ada diagnosis daripada doktor/terapi?

4. Ada tingkah laku agresif/ tindakan atau tidak?

5. Anak boleh duduk diam di masa selama 10-15 minit?
 Ya Tidak

6. Boleh follow satu langkah arahan? (Contoh: All duduk)
 Ya Tidak

7. Bagaimana anak tidur sesatu?

8. Anak mahu pakai jampok?
 Ya Tidak

9. Apa yang biasanya ingatkan daripada LOE TIC?

10. Apa yang anak sudah mampu lakukan? (Rekodkan anak)

11. Dimana-lah saja bila mengenai kami?
 Social Media Melalui WhatsApp/Telegram Papan Malar Lain-lain
 I acknowledge that all my answers are accurate, and all information provided is private and confidential.

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Figure 3.4.50: Pre-screening page

- This is the Pre-screening page for the parent.
- Users must key in all the required fields.
- Users click the “Submit” button, it will navigate to the questionnaire dashboard page.



[Home](#)
[My Profile](#)
[Questionnaire](#)
[My Appointment](#)
[Payment](#)
[Report](#)
[Log out](#)

Parent Initial Information (M3)

SARRENH BINTI SYAHMI
▼

Fail-fail yang diperlukan:

1. Kod inisiasi anak

No file

2. Rekod M-CHAT (sekarang ada)

No file

3. Apa-apa rekod pentalian doktor/terapis yang diperlukan?

No file

CANCEL

NEXT

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W

F

G

Figure 3.4.51: Parent Initial Info page

Home My Profile Questionnaire My Appointment Payment Report Log out

Parent Initial Information (M3)

Sejarah makanan dan minuman yang anak ambil di rumah

2. Rutin waktu tidur dan waktu bangun

3. Lain-lain hal yang mempengaruhi ibu bapa

PREVIOUS SUBMIT

LITTLE ONES EDUWORLD
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Figure 3.4.52: Parent Initial Info page 2

- These are the Parent Initial Info page for the parent.
- Users must key in all the required fields.
- Users click the “Submit” button, it will navigate to the questionnaire dashboard page.

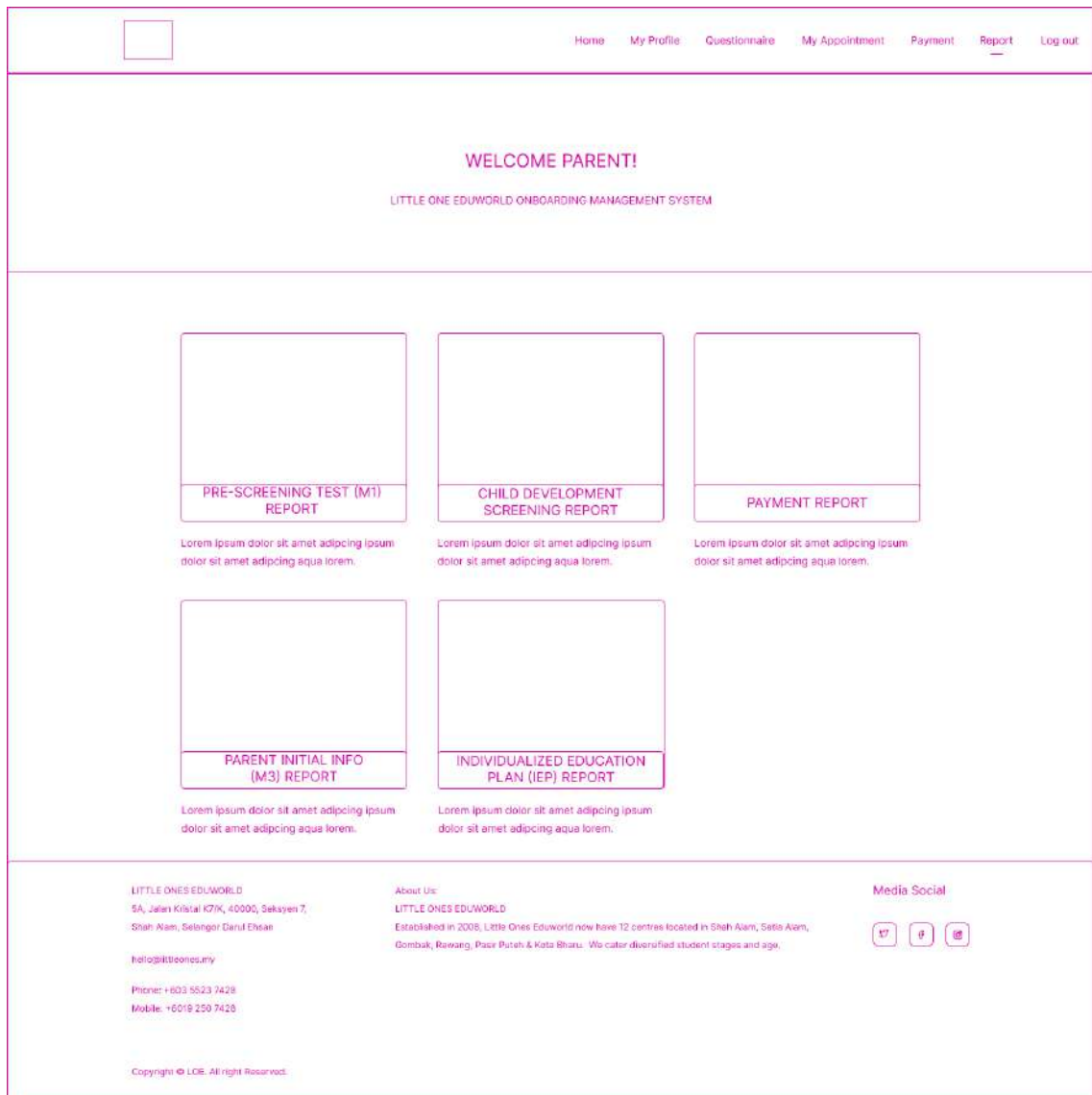


Figure 3.4.53: Report dashboard page

- This is the Report dashboard page for the parent.
- Users can choose any menu on the dashboard.
- Users click the “Pre-screening Test report” menu, it will navigate to the Pre-screening report page.
- Users click the “Child Development screening Test report” menu, it will navigate to the Child Development screening Test report page.

- Users click the “Payment report” menu, it will navigate to the Payment report page.
- Users click the “IEP report” menu, it will navigate to the IEP report page.
- Users click the “Parent Initial Info” menu, it will navigate to the Parent Initial Info page.

Home My Profile Questionnaire My Appointment Payment Report Log out

IEP Report

No	CHILD	START	END	PIC	ACTION
1	SAKEENAH BINTI SYAHMI	01/03/2023	01/09/2023	Psychologist: Ummi OT: Syim Consultant: Jue Penyelia: Ira	View

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Figure 3.4.54: IEP report

- This is the IEP Report page for the parent.
- Users click the “View” link, it will navigate to the IEP report details page.



Figure 3.4.55: IEP report details

- This is the IEP Report details page.
- Users click the “back” button, it will navigate to the IEP report page.

Home My Profile Questionnaire My Appointment Payment **Report** Log out

Payment Report

No	CHILD	DATE	FEE TYPE	TOTAL PAYMENT	ACTION
1	SAKEENAH BINTI SYAHMI	05/01/2023	CHILD DEVELOPMENT SCREENING TEST	RM 500	View

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Figure 3.4.56: Payment report page

- This is the Payment Report page.
- Users click the “View” link, it will navigate to the Payment report details page.

Home My Profile Questionnaire My Appointment Payment **Report** Log out

Payment Report

FEE TYPE	NAME
CHILD DEVELOPMENT SCREENING TEST	SAKBRINAH BINTI SYAHMI
TOTAL PAYMENT	DATE
RM 500	05/07/2023 10:31 AM
PAYMENT TYPE	
ONLINE BANK-IN	
BANK NAME	
BANK ISLAM	
REMARKS	
NONE	

[BACK](#)

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Figure 3.4.57: Payment details report page

- This is the Payment Report details page.
- Users click the “back” button, it will navigate to the Payment report page.



[Home](#) | [My Profile](#) | [Questionnaire](#) | [My Appointment](#) | [Payment](#) | [Report](#) | [Log out](#)

Pre-Screening (M1) Report

No	CHILD	DATE	PROGRAMME TYPE	ACTION
1	SAKEENAH BINTI SYAHMI	01/01/2023	INCLUSIVE	View

LITTLE ONES EDUWORLD
SA, Jalan Kristal K2/K, 40000, Seksyen 7,
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halo@littleones.my

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Figure 3.4.58: Pre-screening report page

- This is the Pre-screening Report page.
- Users click the “View” link, it will navigate to the Pre-screening report details page.



[Home](#) | [My Profile](#) | [Questionnaire](#) | [My Appointment](#) | [Payment](#) | [Report](#) | [Log out](#)

Pre-Screening (M1) Report

NAMA: SAKEENAH BINTI SYAHMI

1. Apa yang ibu/bapa paling bimbang tentang anak?
 Lorem ipsum dolor sit amet adipiscing

2. Dah pernah bawa anak jumpa doktor/terapis?
 Lorem ipsum dolor sit amet adipiscing

3. Ada diagnos daripada doktor/terapis?
 Lorem ipsum dolor sit amet adipiscing

4. Ada tingkah laku agresif, tantrum atau distractif? *
 Lorem ipsum dolor sit amet adipiscing

5. Anak boleh duduk diam di meja selama 10-15 minit? *
 Lorem ipsum dolor sit amet adipiscing

6. Boleh faham satu langkah arahan? (Contoh: Ail duduk) *
 Lorem ipsum dolor sit amet adipiscing

7. Bagaimana anak meminta sesuatu? *
 Lorem ipsum dolor sit amet adipiscing

8. Anak masih pakai pampers? *
 Lorem ipsum dolor sit amet adipiscing

9. Apa yang ibu/bapa inginkan daripada LOE/TC?
 Lorem ipsum dolor sit amet adipiscing

10. Apa yang anak sudah mampu lakukan? (Keupayaan anak)
 Lorem ipsum dolor sit amet adipiscing

11. Daripada ibu-bapa faham mengenai kami?
 Lorem ipsum dolor sit amet adipiscing

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Figure 3.4.59: Pre-screening report details page

- This is the Pre-screening Report details page.
- Users click the “back” button, it will navigate to the Pre-screening report page.

Home My Profile Questionnaire My Appointment Payment Report Log out

Child Development Screening Report

No	CHILD	DATE	PIC	ACTION
1	SAKEENAH BINTI SYAHMI	01/01/2023	Psychologist: Ummi OT: Syim Consultant: Jue Penyelia: Iira	View

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Figure 3.4.60: Child Development screening report page

- This is the Child Development screening Report page.
- Users click the “View” link, it will navigate to the Child Development screening report details page.

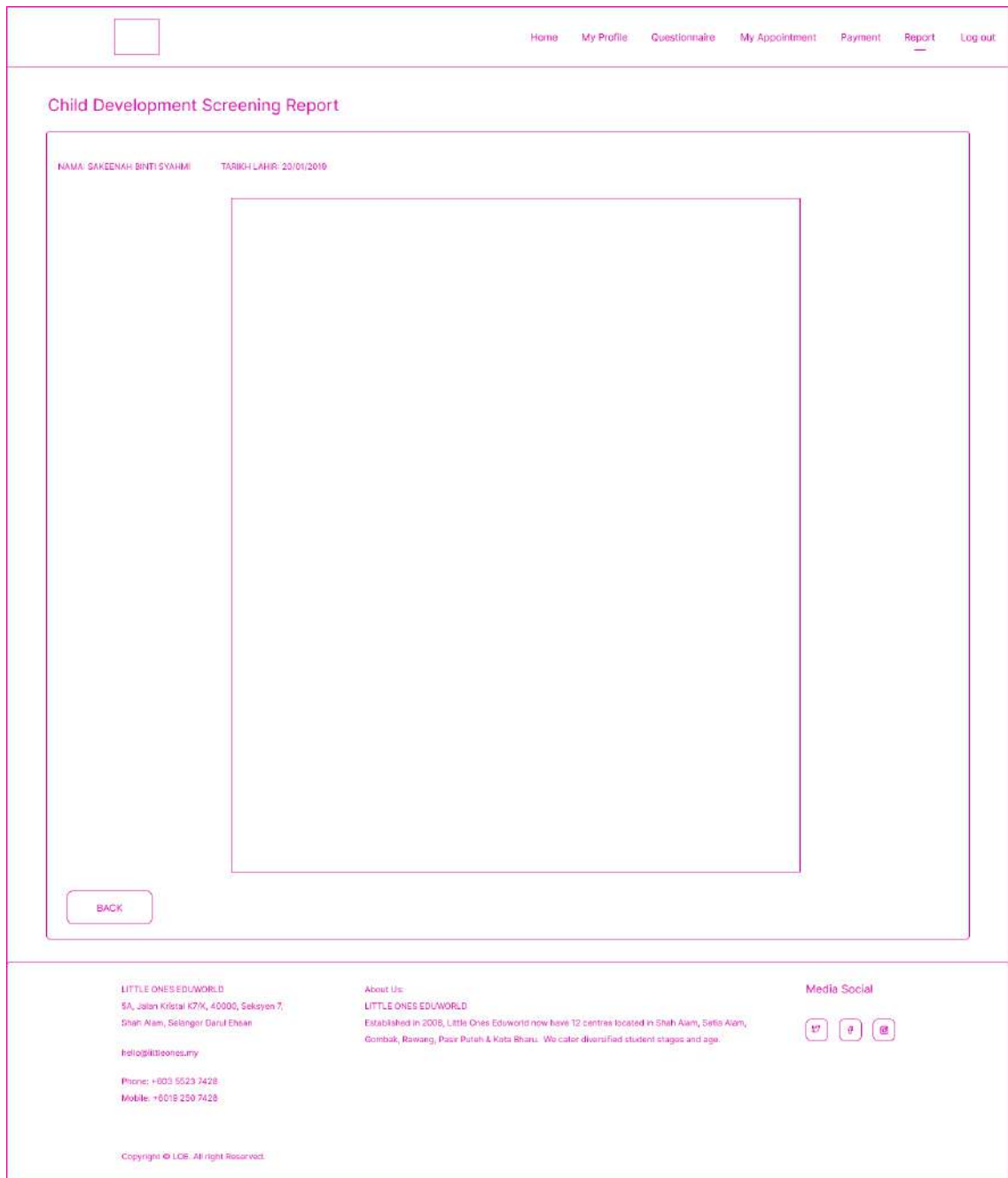


Figure 3.4.61: Child Development screening details report page

- This is the Child Development screening Report details page.
- Users click the “back” button, it will navigate to the Child Development screening report page.

Home My Profile Questionnaire My Appointment Payment Report Log out

Parent Initial Info (M3) Report

No.	CHILD	DATE	PROGRAMME TYPE	ACTION
1	SAKEENAH BINTI SYAHMI	01/01/2023	INCLUSIVE	View

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Figure 3.4.62: Parent Initial Info report page

- This is the Parent Initial Info Report page.
- Users click the “View” link, it will navigate to the M3 report details page.

HOME | HOMEWORK | ASSIGNMENTS | REPORT | **REPORT** | HELP

Parent Initial Info (MUI) Report

MUI yang di periksa:

- 1. MUI yang di periksa
- 2. MUI yang di periksa
- 3. MUI yang di periksa
- 4. MUI yang di periksa

Sebelum Anak Lahir:

- 1. Sebelum anak lahir
- 2. Sebelum anak lahir
- 3. Sebelum anak lahir
- 4. Sebelum anak lahir
- 5. Sebelum anak lahir
- 6. Sebelum anak lahir
- 7. Sebelum anak lahir

Setelah Mulai Makan:

- 1. Setelah mulai makan
- 2. Setelah mulai makan
- 3. Setelah mulai makan
- 4. Setelah mulai makan

Pengalaman dalam Partung:

- 1. Pengalaman dalam partung
- 2. Pengalaman dalam partung
- 3. Pengalaman dalam partung

Sedikit Perbaikan anak:

- 1. Sedikit perbaikan anak
- 2. Sedikit perbaikan anak
- 3. Sedikit perbaikan anak
- 4. Sedikit perbaikan anak
- 5. Sedikit perbaikan anak

Tinggal foto setiap belaka di rumah sendiri:

- 1. Tinggal foto setiap belaka di rumah sendiri
- 2. Tinggal foto setiap belaka di rumah sendiri
- 3. Tinggal foto setiap belaka di rumah sendiri
- 4. Tinggal foto setiap belaka di rumah sendiri
- 5. Tinggal foto setiap belaka di rumah sendiri
- 6. Tinggal foto setiap belaka di rumah sendiri
- 7. Tinggal foto setiap belaka di rumah sendiri
- 8. Tinggal foto setiap belaka di rumah sendiri
- 9. Tinggal foto setiap belaka di rumah sendiri
- 10. Tinggal foto setiap belaka di rumah sendiri
- 11. Tinggal foto setiap belaka di rumah sendiri
- 12. Tinggal foto setiap belaka di rumah sendiri
- 13. Tinggal foto setiap belaka di rumah sendiri
- 14. Tinggal foto setiap belaka di rumah sendiri
- 15. Tinggal foto setiap belaka di rumah sendiri
- 16. Tinggal foto setiap belaka di rumah sendiri
- 17. Tinggal foto setiap belaka di rumah sendiri
- 18. Tinggal foto setiap belaka di rumah sendiri
- 19. Tinggal foto setiap belaka di rumah sendiri
- 20. Tinggal foto setiap belaka di rumah sendiri

Pengalaman saat:

- 1. Pengalaman saat
- 2. Pengalaman saat
- 3. Pengalaman saat
- 4. Pengalaman saat
- 5. Pengalaman saat
- 6. Pengalaman saat
- 7. Pengalaman saat
- 8. Pengalaman saat
- 9. Pengalaman saat
- 10. Pengalaman saat

Tinggal foto anak ketika di luar rumah:

- 1. Tinggal foto anak ketika di luar rumah
- 2. Tinggal foto anak ketika di luar rumah
- 3. Tinggal foto anak ketika di luar rumah
- 4. Tinggal foto anak ketika di luar rumah
- 5. Tinggal foto anak ketika di luar rumah
- 6. Tinggal foto anak ketika di luar rumah
- 7. Tinggal foto anak ketika di luar rumah
- 8. Tinggal foto anak ketika di luar rumah
- 9. Tinggal foto anak ketika di luar rumah
- 10. Tinggal foto anak ketika di luar rumah

0775 4078146075
 75, JALAN PETA 44, KOTA SURABAYA
 60134, SURABAYA, INDONESIA
 TEL: 031 2571390
 FAX: 031 2571390

0775 4078146075
 75, JALAN PETA 44, KOTA SURABAYA
 60134, SURABAYA, INDONESIA
 TEL: 031 2571390
 FAX: 031 2571390

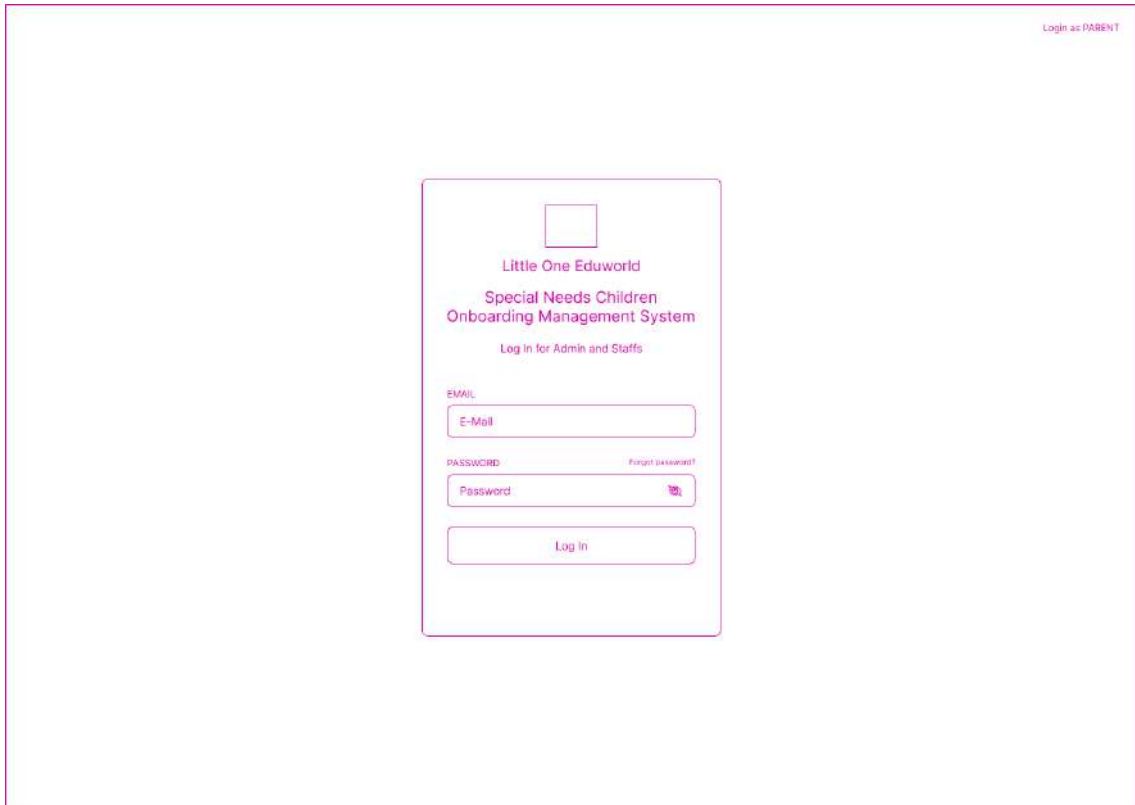




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Figure 3.4.63: Parent Initial Info details report page

- This is the M3 Report details page.
- Users click the “back” button, it will navigate to the Parent Initial Info report page.



The screenshot shows a login page for the 'Little One Eduworld Special Needs Children Onboarding Management System'. The page is titled 'Log In for Admin and Staffs'. It features a central login form with the following elements:

- EMAIL:** A text input field labeled 'E-Mail'.
- PASSWORD:** A text input field labeled 'Password' with a 'Forgot password?' link to its right.
- Log In:** A button labeled 'Log In'.

In the top right corner of the page, there is a link that says 'Login as PARENT'.

Figure 3.4.64: Login page for Admin and LOE staff

- This is the login page for the admin and LOE staff.
- Users must enter registered email and password.
- Users click the login button to login and navigate to the dashboard page.

LOE Onboarding Management System

Manage User Admin

Manage User

Report

Log out

Users ADD USER

Email	Name	Phone Number	Gender	Address	Qualification	Position	Action
syahmie@gmail.com	SYAHMI BIN ABDULLAH	012-3456789	MALE	NO 1, JALAN K 1/2, SEKSYEN 1, 40200 SHAH ALAM, SELANGOR	NONE	PARENT	Edit Delete
ummi@gmail.com	UMMI BINTI HANAFI	012-3456789	FEMALE	NO 1, JALAN K 1/2, SEKSYEN 1, 40200 SHAH ALAM, SELANGOR	PHD	OT	Edit Delete
jue@gmail.com	JULIANA BINTI AMIN	012-3456789	FEMALE	NO 1, JALAN K 1/2, SEKSYEN 1, 40200 SHAH ALAM, SELANGOR	DEGREE	CONSULTANT	Edit Delete
syim@gmail.com	HASYIM BIN ANAS	012-3456789	MALE	NO 1, JALAN K 1/2, SEKSYEN 1, 40200 SHAH ALAM, SELANGOR	DEGREE	OT	Edit Delete
ira@gmail.com	SYIRA BINTI ALI	012-3456789	FEMALE	NO 1, JALAN K 1/2, SEKSYEN 1, 40200 SHAH ALAM, SELANGOR	DEGREE	STAFF	Edit Delete

Figure 3.4.65: Manage User page

- This is the manage user page.
- Users click the Add User button to add user and navigate to the Add New User page.
- Users click the Edit link to edit user details and navigate to the Edit User page.
- Users click the Delete link to delete user and refresh the page.

The screenshot shows the 'Add User' page within the 'LOE Onboarding Management System'. The page has a sidebar on the left with the following navigation items: 'Manage User' (selected), 'Report', and 'Log out'. The main content area is titled 'Manage User' and contains a form titled 'Add User'. The form has the following fields:

- NAME: Text input field
- PHONE NUMBER: Text input field
- GENDER: Radio buttons for MALE and FEMALE
- POSITION: Dropdown menu
- EMAIL: Text input field
- HOME ADDRESS: Text input field
- QUALIFICATION: Text input field
- PASSWORD: Password input field with a strength indicator

An 'ADD' button is located at the bottom right of the form.

Figure 3.4.66: Add User page

- This is the Add User page
- Users must key in all the required fields.
- Users click the “Add” button, it will navigate to the Manage User page.

LOE Onboarding Management System

Manage User

Report

Log out

Admin

Edit Users

NAME: UMMI BIN HANAFI

PHONE NUMBER: 012-3456789

GENDER: MALE FEMALE

POSITION: OT

EMAIL: ummi@gmail.com

HOME ADDRESS: NO 1, JALAN K 1/2, SEKSYEN 1, SHAH ALAM 40200 SHAH ALAM, SELANGOR.

QUALIFICATION: PhD

PASSWORD: Password

SAVE

Figure 3.4.67: Edit user page

- This is the Edit User page
- Users must key in all the required fields.
- Users click the “Save” button, it will navigate to the Manage User page.

LOE Onboarding Management System

Admin

Manage User

Report

Pre-screening

Appointment

Child Development Screening

IEP

Payment

Parent & Child Info

Parent Initial Info

[>] Log out

Appointment

No	TYPE	DATE	TIME	ACTION
1	PERJUMPAAN PERTAMA (P1)	01/01/2023	09:00 AM	CANCEL BOOK

Figure 3.4.68: Appointment page

- This is the Appointment page.
- Users can cancel book by click on Cancel Book link and it will delete the data and refresh the page

LOE Onboarding Management System

Admin

Manage User

Report

Pre-screening

Appointment

Child Development Screening

IEP

Payment

Parent & Child Info

Parent Initial Info

Log out

Report

Child Development Screening

No	CHILD	DATE	PIC	ACTION
1	SAKEENAH BINTI SYAHMI	01/01/2023	Psychologist: Ummi OT: Syim Consultant: Jue Penyelia: Ira	View

Figure 3.4.69: Child Development Screening report page

- This is the Child Development screening Report page.
- Users click the “View” link, it will navigate to the Child Development screening report details page.

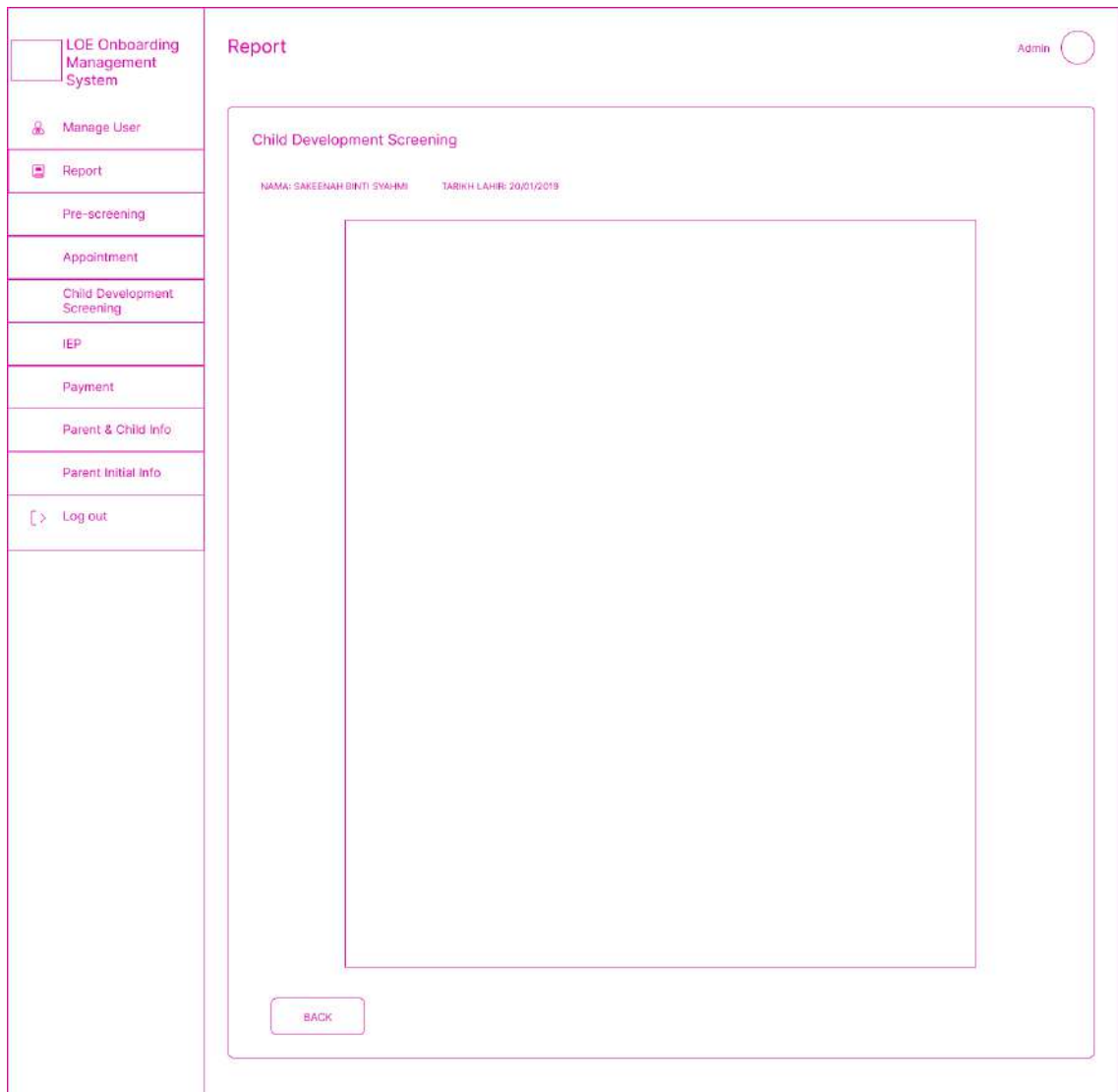


Figure 3.4.70: Child Development Screening details report page

- This is the Child Development screening Report details page.
- Users click the “back” button, it will navigate to the Child Development screening report page.

The screenshot shows the 'LOE Onboarding Management System' interface. The sidebar on the left contains the following menu items: Manage User, Report (highlighted), Pre-screening, Appointment, Child Development Screening, IEP, Payment, Parent & Child Info, Parent Initial Info, and Log out. The main content area is titled 'Report' and displays a table of IEP reports. The table has the following data:

No	CHILD	START	END	PIC	ACTION
1	SAKEENAH BINTI SYAHMI	01/03/2023	01/09/2023	Psychologist: Ummi OT: Syim Consultant: Jue Penyelia: Ira	View

Figure 3.4.71: IEP report page

- This is the IEP Report page for the parent.
- Users click the “View” link, it will navigate to the IEP report details page.

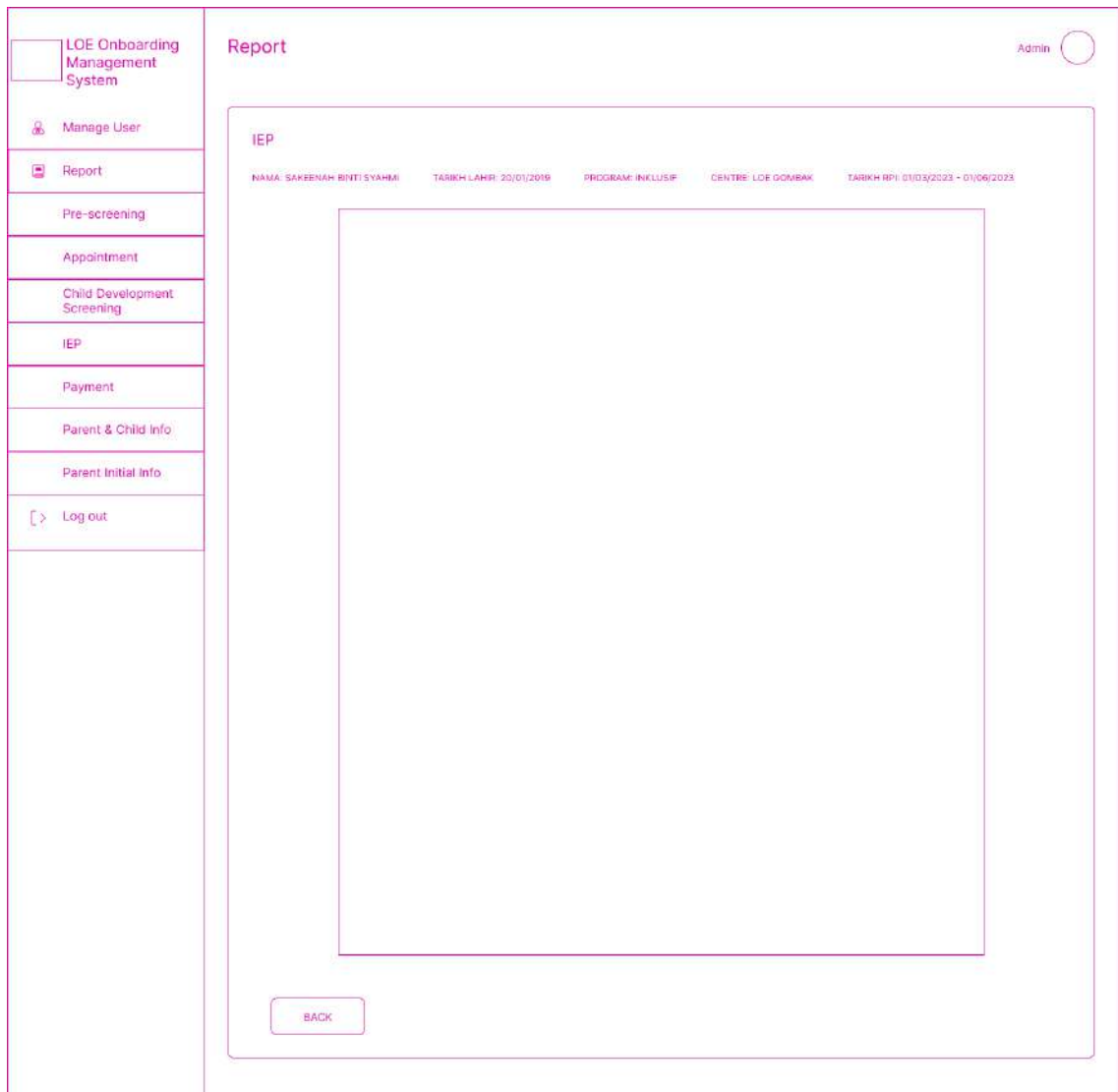


Figure 3.4.72: IEP report details page

- This is the IEP Report details page.
- Users click the “back” button, it will navigate to the IEP report page.

LOE Onboarding Management System

- [Manage User](#)
- [Report](#)
- [Pre-screening](#)
- [Appointment](#)
- [Child Development Screening](#)
- [IEP](#)
- [Payment](#)
- [Parent & Child Info](#)
- [Parent Initial Info](#)
- [Log out](#)

Admin

Report

Payment

No	CHILD	DATE	FEE TYPE	TOTAL PAYMENT	ACTION
1	SAKEENAH BINTI SYAHMI	05/01/2023	CHILD DEVELOPMENT SCREENING TEST	RM 500	View

Figure 3.4.73: Payment report page

- This is the Payment Report page.

The screenshot displays the 'Report' page in the LOE Onboarding Management System. The sidebar on the left contains the following menu items: Manage User, Report (highlighted), Pre-screening, Appointment, Child Development Screening, IEP, Payment, Parent & Child Info, Parent Initial Info, and Log out. The main content area is titled 'Report' and features a table with the following data:

No	CHILD	PARENT	PROGRAMME	ACTION
1	SAKEENAH BINTI SYAHMI	SYAHMI BIN ABDULLAH	INKLUSIF	View

Figure 3.4.74: Parent Child Info page

- This is the Parent Child Info Report page.
- Users click the “View” link, it will navigate to the Parent Child Info report details page.

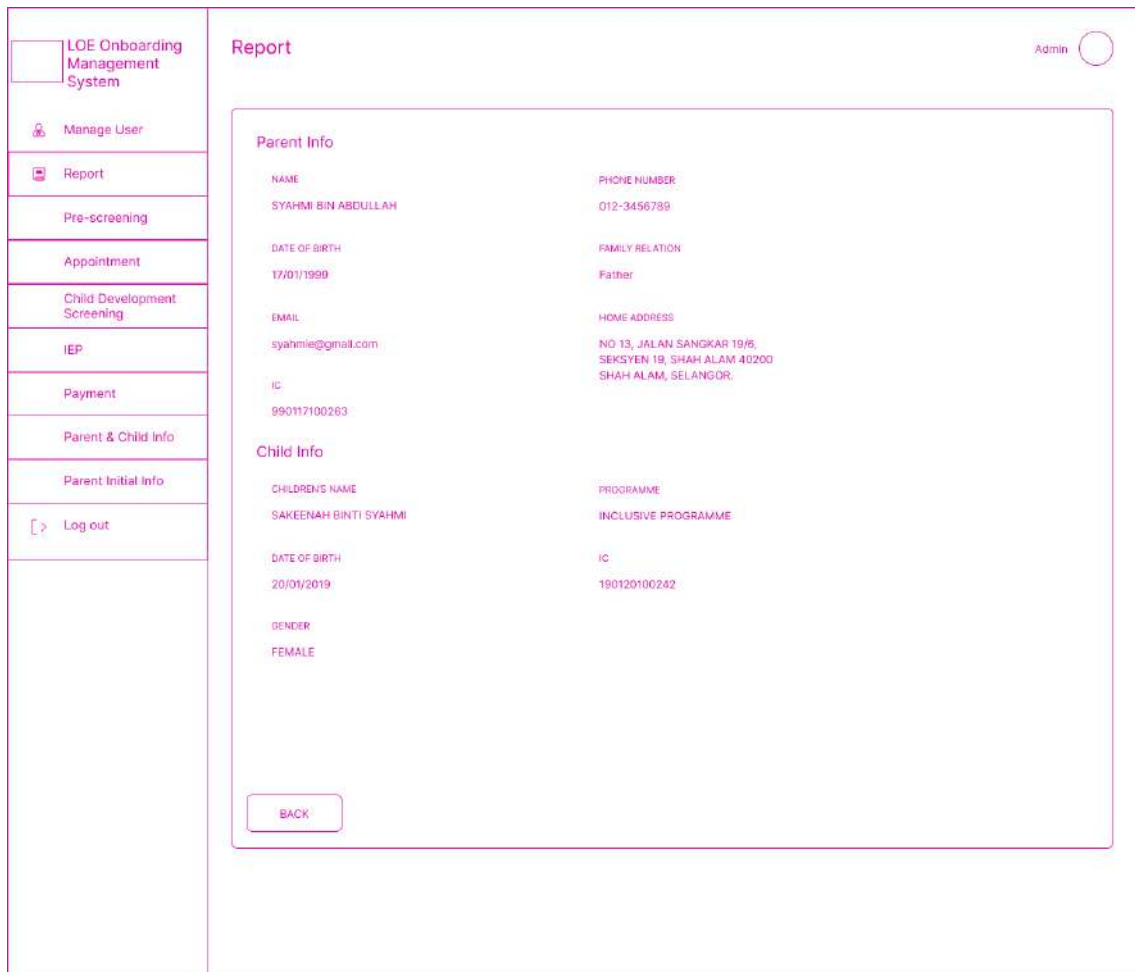


Figure 3.4.75: Parent Child Info details page

- This is the Parent Child Info Report details page.
- Users click the “back” button, it will navigate to the Parent Child Info report page.

LOE Onboarding Management System

Admin

Report

Parent Initial Info (M3)

No	CHILD	DATE	PROGRAMME TYPE	ACTION
1	SAKEENAH BINTI SYAHMI	01/01/2023	INCLUSIVE	View

Manage User

Report

Pre-screening

Appointment

Child Development Screening

IEP

Payment

Parent & Child Info

Parent Initial Info

Log out

Figure 3.4.76: M3 report page

- This is the Parent Initial Info Report page.
- Users click the “View” link, it will navigate to the M3 report details page.

Figure 3.4.77: M3 report details page

- This is the M3 Report details page.
- Users click the “back” button, it will navigate to the Parent Initial Info report page.

The screenshot displays the 'Manage IEP' page within the 'LOE Onboarding Management System'. The sidebar on the left contains the following menu items: Manage IEP, Pre-screening, Appointment, Report, Child Development Screening, Payment, Parent & Child Info, Parent Initial Info, and Log out. The main content area is titled 'Manage IEP' and includes a 'Child IEP' section with an 'ADD IEP' button. Below this is a table with the following data:

No	CHILD	START	END	PIC	ACTION
1	SAKEENAH BINTI SYAHMI	01/03/2023	01/06/2023	Psychologist: Ummi OT: Syim Consultant: Jue Penyelia: Ira	View Edit

Figure 3.4.78: Manage Child IEP report page (Staff)

- This is the IEP Report page for the parent.
- Users click the “View” link, it will navigate to the IEP report details page.

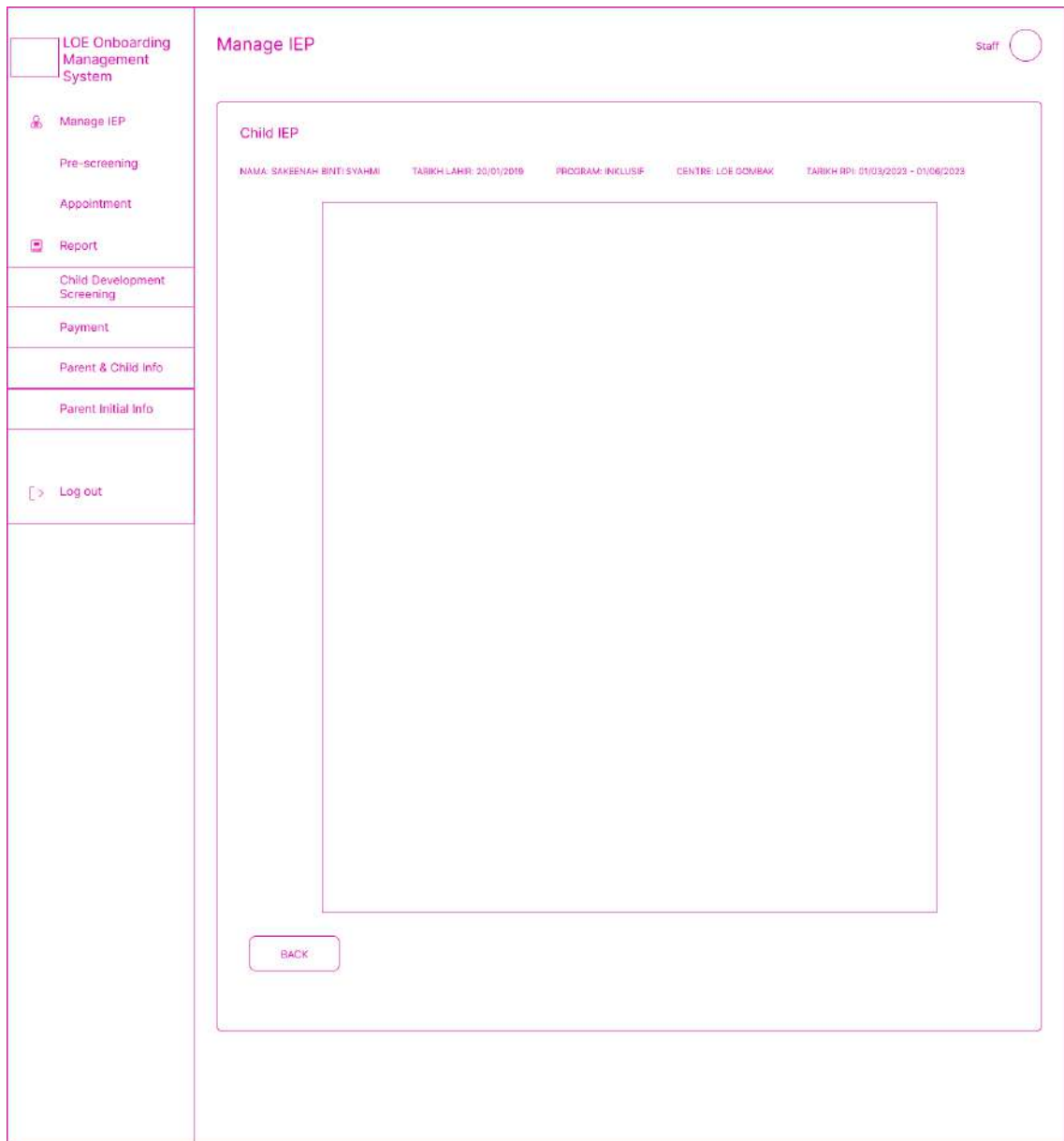


Figure 3.4.79: Manage Child IEP report details page

- This is the IEP Report details page.
- Users click the “back” button, it will navigate to the IEP report page.

LOE Onboarding Management System

- Manage IEP
- Pre-screening
- Appointment
- Report**
- Child Development Screening
- Payment
- Parent & Child Info
- Parent In-clin Info

Log out

Report

Add IEP

Sakit/Disabilitas/Trisomi 21

DDST II

Objective

1. Intervention

SSP

Objective

1. Intervention

Terapi Modifikasi

Objective

1. Intervention

Terapi Ruqyah (individu)

Objective

1. Intervention

Terapi Akademik (individu)

Objective

1. Intervention

Terapi Fizikal

Objective

1. Intervention

Terapi Kemahiran Sosial

Objective

1. Intervention

Tingkah laku anak ketika di luar rumah:

Objective

1. Intervention

Masa

1. Tarikh mula IEP

2. Tarikh Akhir IEP

Figure 3.4.80: Add IEP page (staff)

- This is the Add IEP page
- Users must key in all the required fields.
- Users click the “Add” button, it will navigate to the Manage IEP page.

LOE Onboarding Management System

- Manage IEP
- Pre-screening
- Appointment
- Report
- Child Development Screening
- Payment
- Parent & Child Info
- Parent Initial Info
- Log out

Report
Staff

Edit IEP

1.

DDST II

Objective

1.

2. Intervention

1.

SSP

Objective

1.

2. Intervention

1.

Terapi Modifikasi

Objective

1.

2. Intervention

1.

Terapi Rujyah (individu)

Objective

1.

2. Intervention

1.

Terapi Akademik (individu)

Objective

1.

2. Intervention

1.

Terapi Fisikal

Objective

1.

2. Intervention

1.

Terapi Kemahiran Sosial

Objective

1.

2. Intervention

1.

Tingkah laku anak ketika di luar rumah:

Objective

1.

2. Intervention

1.

Objective

1.

2. FAKTA MULA IEP

1.

2. FAKTA AKHIR IEP

1.

Figure 3.4.81: Edit IEP page

- This is the Edit IEP page
- Users must key in all the required fields.
- Users click the “Save” button, it will navigate to the Manage IEP page.

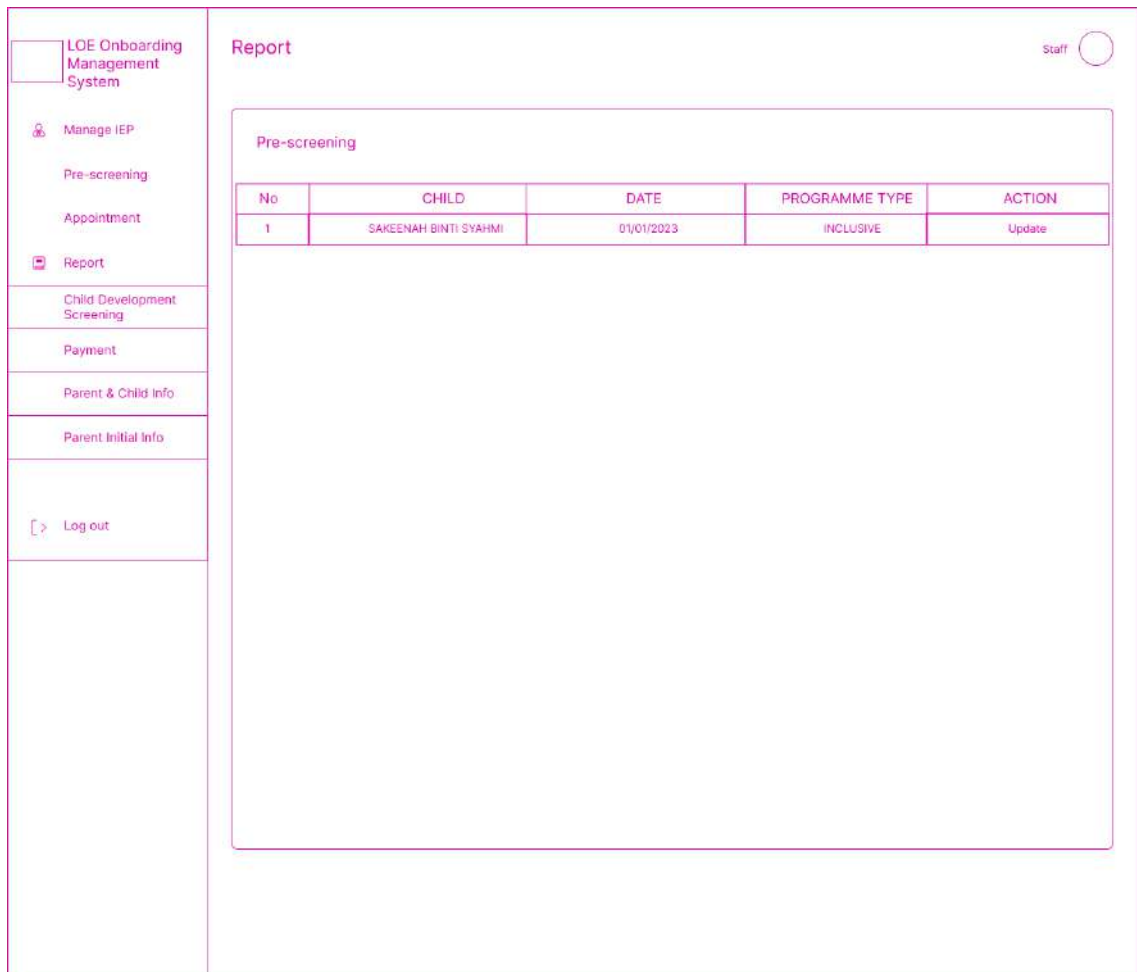


Figure 3.4.82: Pre-screening page (staff)

- This is the Pre-screening page.
- Users click the “View” link, it will navigate to the Pre-screening details page.

The screenshot displays the 'Report' page in the LOE Onboarding Management System. The interface is divided into three main sections: a sidebar, a header, and a main content area.

- Sidebar:** Contains navigation links for 'Manage IEP', 'Pre-screening', 'Appointment', 'Report' (highlighted), 'Child Development Screening', 'Payment', 'Parent & Child Info', 'Parent Initial Info', and 'Log out'.
- Header:** Shows the system name 'LOE Onboarding Management System' and a user profile icon labeled 'Staff'.
- Main Content Area:** Titled 'Pre-screening', it contains a form for a staff member named 'SAREEMAH BINTI SYAHMI'. The form includes 11 numbered questions with text input fields:
 1. Apa yang ibu/bapa paling bimbang tentang anak?
 2. Dah pernah bawa anak jumpa doktor/terapis?
 3. Ada diagnosis daripada doktor/terapis?
 4. Ada tingkan laku agresif, tantrum atau disrupsi? *
 5. Anak boleh duduk diam di meja selama 10-15 minit? *
 6. Boleh faham satu langkah arahan? (Contoh: Ail duduk) *
 7. Bagaimana anak minta sesuatu? *
 8. Anak masih pakai pampers? *
 9. Apa yang ibu/bapa inginkan daripada LOE TCY?
 10. Apa yang anak sudah mampu lakukan? (Kemahiran anak)
 11. Darimana ibu-bapa tahu mengenai kami?
 Below the questions is a dropdown menu for 'PROGRAMME TYPE' with the option 'Pilih'. At the bottom of the form are two buttons: 'CANCEL' and 'UPDATE'.

Figure 3.4.83: Pre-screening details page (staff)

- This is the Pre-screening details page.
- Users must choose program type and click Update button and it will navigate to Pre-screening page

The screenshot shows the 'Appointment' page within the 'LOE Onboarding Management System'. The sidebar on the left contains the following menu items: Manage IEP, Pre-screening, Appointment, Report (highlighted), Child Development Screening, Payment, Parent & Child Info, Parent Initial Info, and Log out. The main content area is titled 'Report' and displays a table with one appointment entry.

No	TYPE	DATE	TIME	ACTION
1	PERJUMPAAN PERTAMA (P1)	01/01/2023	09:00 AM	View

Figure 3.4.84: Appointment page

- This is the appointment page.
- Users click the “View” link, it will navigate to the Appointment details page.

The screenshot displays the 'Appointment' details page within the 'LOE Onboarding Management System'. The interface is divided into a left sidebar and a main content area.

Sidebar:

- LOE Onboarding Management System
- Manage IEP
- Pre-screening
- Appointment
- Report
- Child Development Screening
- Payment
- Parent & Child Info
- Parent Initial Info
- Log out

Main Content Area:

Report

Appointment

APPOINTMENT TYPE
Perjumpaan Pertama (P1)

DATE
01/01/2023

TIME SLOT
09:00 AM

OT
-- PIRI --

Consultant
-- PIRI --

CANCEL UPDATE

Figure 3.4.85: Appointment details page

- This is the Appointment details page.
- Users must choose person in charge and click Update button and it will navigate to Appointment page

3.5 Data Design

3.5.1 Entity Relationship Diagram (ERD)

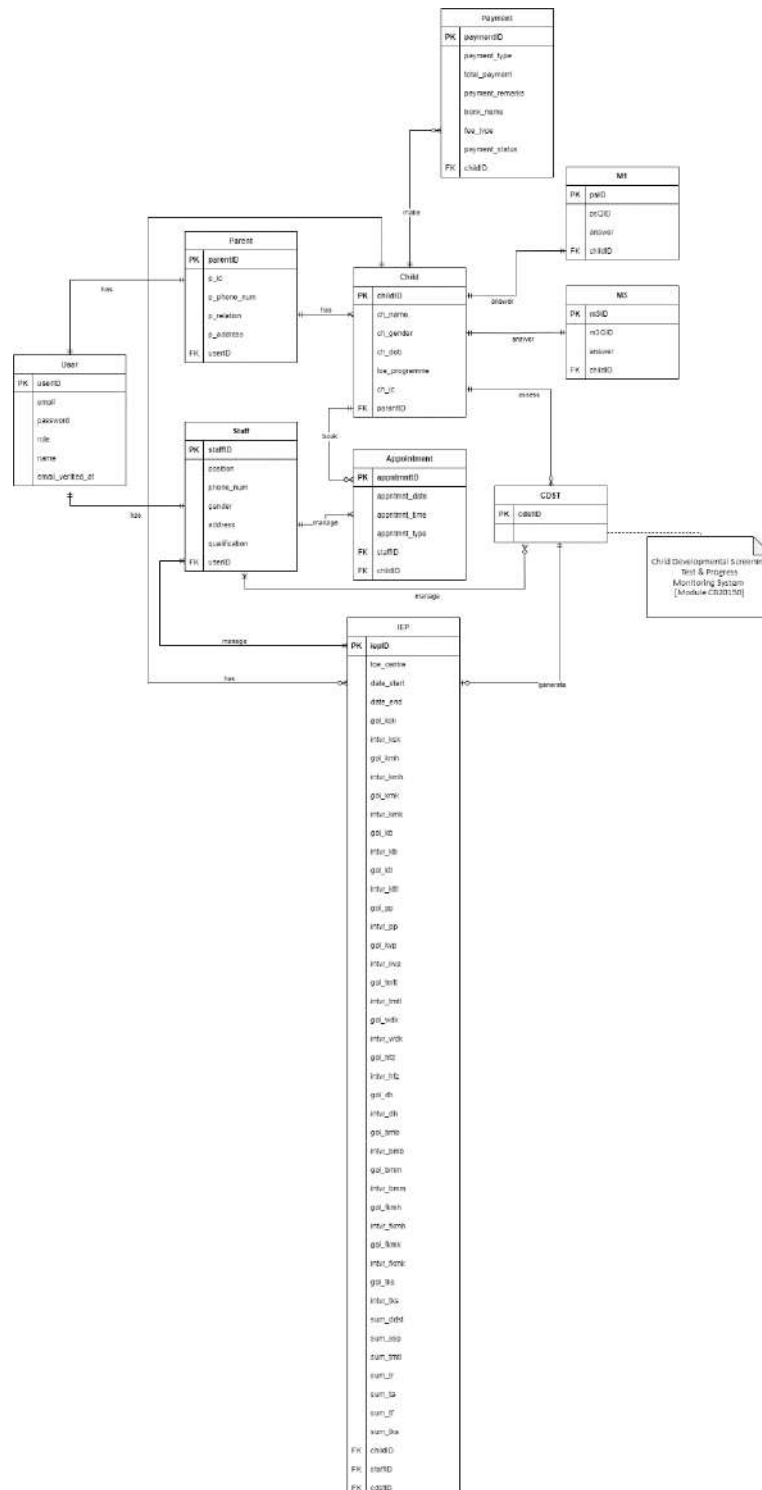


Figure 3.5.1: ERD

3.5.2 Database Dictionary

3.5.2.1 User

Table 3.5.1: User table

Attribute Name	Type	Description	Constraint
userID	int	User ID	PK, Not Null
name	Varchar(255)	User's name	Not Null
email	Varchar(255)	User's email	Not Null
password	Varchar(255)	User's password	Not Null
role	Varchar(255)	User's role (eg, Admin, Staff, Parent)	Not Null
email_verified_at	timestamp	User's email verified datetime	Null

3.5.2.2 Parent

Table 3.5.2: Parent table

Attribute Name	Type	Description	Constraint
parentID	int	Parent ID	PK, Not Null
p_ic	Varchar(255)	Parent's IC number	Not Null, Unique
p_phone_num	Varchar(255)	Parent's phone number	Not Null
p_relation	Varchar(255)	Parent's relation with children	Not Null
p_address	Varchar(255)	Parent's home address	Not Null
userID	int	User ID	FK, Not Null

3.5.2.3 Staff

Table 3.5.3: Staff table

Attribute Name	Type	Description	Constraint
staffID	int	Staff ID	PK, Not Null
ic	Varchar(255)	Staff's IC	Not Null, Unique
gender	Varchar(255)	Staff's gender	Not Null
phone_num	Varchar(255)	Staff's phone number	Not Null
address	Varchar(255)	Staff's home address	Not Null
position	Varchar(255)	Staff's position (Manager, Principal, OT, Consultant)	Not Null
qualification	Varchar(255)	Staff's qualification	Not Null
userID	int	User ID	FK, Not Null

3.5.2.4 Child

Table 3.5.4: Child table

Attribute Name	Type	Description	Constraint
childID	int	Child ID	PK, Not Null
ch_name	Varchar(255)	Child's name	Not Null
ch_gender	Varchar(255)	Child's gender	Not Null
ch_dob	date	Child's date of birth	Not Null
ch_programme	Varchar(255)	Child's programme at LOE centre	Null
ch_ic	Varchar(255)	Child's IC number	Not Null
parentID	int	Parent ID	FK, Not Null

3.5.2.5 Appointment

Table 3.5.5: Appointment table

Attribute Name	Type	Description	Constraint
appntmntID	int	Appointment ID	PK, Not Null
appntmnt_date	date	Appointment's date	Not Null
appntmnt_time	Varchar(255)	Appointment's time	Not Null
appntmnt_type	Varchar(255)	Appointment's type (such as P1 or P2)	Not Null
staffID	int	Staff's ID for person in charge during gathering with parents.	FK, Null
childID	int	Child's ID	FK, Not Null

3.5.2.6 IEP

Table 3.5.6: IEP table

Attribute Name	Type	Description	Constraint
iepID	int	IEP ID	PK, Not Null
loe_centre	Varchar(255)	Loe centre child name	Not Null
date_start	Varchar(255)	Date start assessment	Not Null
date_end	Varchar(255)	Date end assessment	Not Null
gol_ksk	longtext	Gol Kemahiran Sosial Kendiri	Null
intvr_ksk	longtext	Intervensi Kemahiran Sosial Kendiri	Null
gol_kmh	longtext	Gol Kemahiran Motor Halus	Null

intvr_kmh	longtext	Intervensi Kemahiran Motor Halus	Null
gol_kmk	longtext	Gol Kemahiran Motor Kasar	Null
intvr_kmk	longtext	Intervensi Kemahiran Motor Kasar	Null
gol_kb	longtext	Gol Kemahiran Bahasa	Null
intvr_kb	longtext	Intervensi Kemahiran Bahasa	Null
gol_ktl	longtext	Gol Kemahiran Tenaga/Lemah	Null
intvr_ktl	longtext	Intervensi Kemahiran Tenaga/Lemah	Null
gol_pp	longtext	Gol Penapisan Pendengaran	Null
intvr_pp	longtext	Intervensi Penapisan Pendengaran	Null

gol_kvp	longtext	Gol Kepekaan Visual/Pendengaran	Null
intvr_kvp	longtext	Intervensi Kepekaan Visual/Pendengaran	Null
gol_tmtl	longtext	Gol Terapi Modifikasi Tingkah Laku	Null
intvr_tmtl	longtext	Intervensi Terapi Modifikasi Tingkah Laku	Null
gol_wdk	longtext	Gol Wuduk	Null
intvr_wdk	longtext	Intervensi Wuduk	Null
gol_hfz	longtext	Gol Hafazan Al-Quran	Null
gol_hfz	longtext	Intervensi Hafazan Al-Quran	Null
gol_dh	longtext	Gol Doa Harian	Null
intvr_dh	longtext	Intervensi Doa Harian	Null

gol_bmb	longtext	Gol Kemahiran Bahasa Melayu Baca	Null
intvr_bmb	longtext	Intervensi Kemahiran Bahasa Melayu Baca	Null
gol_bmm	longtext	Gol Kemahiran Bahasa Melayu Tulis	Null
intvr_bmm	longtext	Intervensi Kemahiran Bahasa Melayu Tulis	Null
gol_fkmb	longtext	Gol Terapi Fizikal Kemahiran Motor Halus	Null
intvr_fkmb	longtext	Intervensi Terapi Fizikal Kemahiran Motor Halus	Null
gol_fkmb	longtext	Gol Terapi Fizikal Kemahiran Motor Kasar	Null
intvr_fkmb	longtext	Intervensi Terapi Fizikal Kemahiran Motor Kasar	Null

gol_tks	longtext	Gol Terapi Fizikal Kemahiran Sosial	Null
intvr_tks	longtext	Intervensi Terapi Fizikal Kemahiran Sosial	Null
sum_ddst	longtext	Summary DDST II	Null
sum_ssp	longtext	Summary SSP	Null
sum_tmtl	longtext	Summary Terapi Modifikasi Tingkah Laku	Null
sum_tr	longtext	Summary Terapi Ruqyah	Null
sum_ta	longtext	Summary Terapi Akedemik	Null
sum_tf	longtext	Summary Terapi Fizikal	Null
sum_tks	longtext	Summary Terapi Kemahiran Sosial	Null
staffID	int	Staff ID	FK, Not Null

childID	int	Child ID	FK, Not Null
cdstID	int	Development Screening Test ID	FK, Not Null

3.5.2.7 Payment

Table 3.5.7: Payment table

Attribute Name	Type	Description	Constraint
paymentID	int	Payment ID	PK, Not Null
payment_type	Varchar(100)	Payment type	Not Null
fee_type	Varchar(100)	Payment type	Not Null
total_payment	double	Total payment need to be paid	Not Null
payment_remarks	Varchar(255)	Payment remarks	Null
payment_status	Varchar(255)	Payment status (such as Paid)	Not Null
bank_name	Varchar(255)	Bank's name	Not Null
childID	int	Child ID	FK, Not Null

3.5.2.8 M1 (Pre-screening)

Table 3.5.8: Pre-screening table

Attribute Name	Type	Description	Constraint
id	int	Child ID	PK, Not Null
psQID	Varchar(255)	Question ID of pre-screening questionnaire	Not Null
answer	Varchar(255)	Answer of pre-screening questionnaire	Not Null
child_id	int	Child ID	FK, Not Null

3.5.2.9 M3

Table 3.5.9: M3 table

Attribute Name	Type	Description	Constraint
m3ID	int	Child ID	PK, Not Null
m3QID	Varchar(255)	Question ID of M3 questionnaire	Not Null
answer	Varchar(255)	Answer of M3 questionnaire	Null
childID	int	Child ID	FK, Not Null

3.6 Proof of Initial Concept

3.6.1 Interface Design

Refer to Appendix A.

3.7 Testing/Validation Plan

The testing plan describes the activities to ensure the Special Needs Onboarding Management system's functionality and any errors or problems found in the system for improvement. The table below shows the testing plan.

Table 3.7.1: Testing Plan

No.	Module	Activities	Expected Result	Actual Result	Status		Comments
					Pass	Fail	
1	Register	Enter valid email format	Account successfully registered.				
		Enter invalid email format	Error message displayed				
		Click register button	Account successfully registered and receive email verification.				

		Enter valid parent's name format	Account successfully registered.				
		Enter invalid parent's name format	Error message displayed				
		Enter different value in confirmation password input field with password input field	Error message displayed				
		Enter same value in confirmation password input field with password input field	Account successfully registered.				
		Enter valid IC number format	Account successfully registered.				

		Enter invalid IC number format	Error message displayed				
		Enter valid phone number format	Account successfully registered.				
		Enter invalid phone number format	Error message displayed				
		Enter input value for strings in any case	The input field will show uppercase only				
2	Login	Enter valid email address	User successfully logged in.				
		Enter invalid email address	Error message displayed				

		Enter valid password	User successfully logged in.				
		Enter invalid password	Error message displayed				
		Login without an account	Error message displayed				
3	Manage User System	Enter valid email format	Account successfully registered.				
		Enter invalid email format	Error message displayed				
		Enter valid user's name format	Account successfully added.				

		Enter invalid user's name format	Error message displayed				
		Enter valid user's IC format	Account successfully added.				
		Enter invalid user's IC format	Error message displayed				
		Enter valid user's qualification format	Account successfully added.				
		Enter invalid user's qualification format	Error message displayed				
		Enter valid phone number format	Account successfully registered.				

		Enter invalid phone number format	Error message displayed				
		Delete respective user	Correct user deleted and message displayed				
4	Manage Account and Profile	Enter valid name format	Successfully edited and message box displayed				
		Enter invalid name format	Error message displayed				
		Enter valid IC number format	Successfully edited and message box displayed				
		Enter invalid IC number format	Error message displayed				

		Enter valid phone number format	Successfully edited and message box displayed				
		Enter invalid phone number format	Error message displayed				
		Enter different value in confirmation password input field with password input field	Error message displayed				
		Enter same value in confirmation password input field with password input field	Successfully edited and message box displayed				
		Enter valid email address format	Successfully edited and message box displayed				

		Enter invalid email address format	Error message displayed				
		Enter valid child name (Parent)	Successfully edited and message box displayed				
		Enter invalid child name format (Parent)	Error message displayed				
		Enter valid child IC format (Parent)	Successfully edited and message box displayed				
		Enter invalid child IC format (Parent)	Error message displayed				
		Delete respective child (Parent)	Correct child deleted and message displayed				

5	Manage Pre-Screening	Display respective child name	Answer successfully store with correct id				
		Update LOE child programme (Manager, Principal, OT)	Successfully updated and message box displayed				
		Notify user after click on Submit button	Data stored and User received notification				
6	Manage Payment	Display correct value of total payment	Successfully pay				
		Notify user after click on Pay button	Data stored and User received notification				
7	Manage Appointment	Notify user after click on Book button	Data stored and User received notification				

		Notify user after click on Update button	Data updated and User received notification				
		View appointment list (Parent)	Display correct child data under parent id				
		View appointment list (Admin)	Display correct all child data that book appointment				
		Cancel respective appointment (Admin)	Correct data deleted and message displayed				
		Cancel respective appointment (Parent)	Correct data deleted and message displayed				
		Display respective child name	Answer successfully store with correct id				

		Display respective PIC name (Manager, Principal and OT)	Data successfully store with correct id				
8	Manage Child IEP	Add IEP	Data added into database				
		Edit IEP	Data updated in database and message displayed				
		Delete IEP	Data deleted from database and message displayed				
9	Manage Report	View Pre-Screening (M1)	Data displayed				
		View Child Development Screening	Data displayed				

		View IEP	Data displayed				
		View Appointment	Data displayed				
		View Payment	Data displayed				
		View Parent & Child Info	Data displayed				
		View Parent Initial Info (M3)	Data displayed				
10	Manage Parent Initial Info (M3)	Notify user after click on Submit button	Data stored and User received notification				
		Display respective child name	Answer successfully store with correct id				

6	Manage Child Development (External system)	-	-	-	-	-	-
---	--	---	---	---	---	---	---

Verified by:

Name :

Date : 09/06/2023

3.8 Potential Use of Proposed Solution

LOE has traditionally handled this procedure manually, which is no longer practical. In addition, it will take more time than necessary, and there'll be plenty of potential for confusion and miscommunication. In order to help the LOE staff and parents manage the onboarding process for new students more effectively, this project aims to develop a Special Needs Children Onboarding Management System to replace the current manual procedure.

Special Needs Children Onboarding Management System can assist LOE staff in managing the onboarding process of special needs children quickly and smoothly in terms of assessment of children's development, management of children's individual education plans and scheduling meetings between parents, children with LOE staff and experts such as OT. With the existence of this system, it will be easier for LOE staff to save and locate vital data promptly and securely.

In addition, this system allows parents to monitor their children's development during the onboarding process to see if their child can adapt to the new environment at the centre. Through this system, it is not only easy for parents to make payments but also to schedule meetings. Also, the notification function included in the Special Needs Children Onboarding Management System makes it possible for parents to obtain information immediately.

3.9 Gantt Chart



Figure 3.9.1: PSM I Gantt Chart

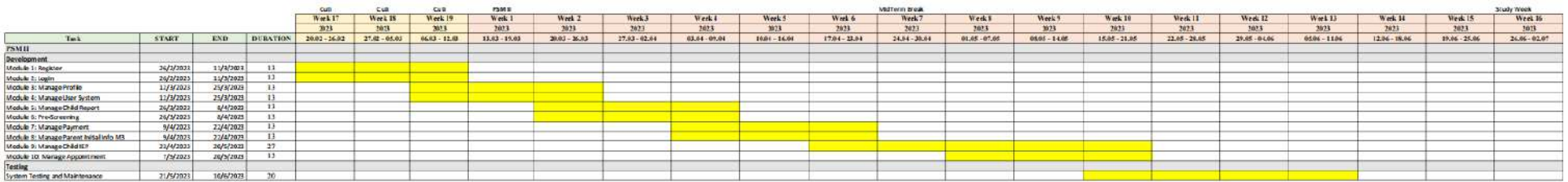


Figure 3.9.2: PSM II Gantt Chart

CHAPTER 4

RESULTS AND DISCUSSION

4.1 Introduction



This chapter will discuss the system implementation, results and discussion of the Special Needs Children On-boarding Management System. This system includes ten modules: Registration, Login, Manage User, Manage Profile, Manage Pre-screening, Manage Appointment, Manage Payment, Manage IEP, Manage Parent Initial Info (M3) and Manage Report. This system will be developed using the Laravel web application framework and MySQL. Finally, the results and discussions will cover the testing of the system and discussion on the interpretation of the result for future development.




4.2 Implementation

This section describes how the system was implemented, includes the method, tools and the software used in developing the system.

4.2.1 Development tools

Table 4.2.1:Development tools used and descriptions of the tools

Tools	Images	Descriptions
Laravel	 The Laravel logo is a red, 3D-style icon consisting of three interlocking rectangular blocks arranged in a shape that resembles a stylized 'L'.	<p>Laravel is an open-source web application framework for developing web applications using PHP. Laravel provides many tools and features that make building scalable, maintainable, and secure web applications easier. Some of the key features of Laravel include a robust routing system and a powerful templating engine called Blade.</p>
VS Code	 The VS Code logo is a blue, 3D-style icon consisting of a stylized 'V' shape with a horizontal bar extending from the bottom left, resembling a code editor window.	<p>Visual Studio Code is a free and open-source code editor developed by Microsoft. It is designed to be a lightweight, fast, and flexible developer tool. VS Code provides various features to support development across multiple programming languages, including syntax highlighting, code completion, debugging, source control integration, and more. It also includes a built-in terminal for running commands and scripts and a rich ecosystem of extensions that can be used to customize the editor and add additional functionality.</p>

XAMPP		<p>XAMPP comprises an Apache HTTP server, MySQL database, and PHP programming language. Developers may easily set up a local web server for testing and development with XAMPP. Web developers use XAMPP to build and test web apps locally before deploying them.</p>
phpMyAdmin		<p>phpMyAdmin is a free and open-source web-based administration tool for managing MySQL databases. It is written in PHP and provides a graphical user interface (GUI) for database administration tasks like creating databases, tables, and users, managing database content, and executing SQL queries.</p>
Mailtrap		<p>Mailtrap is a simulated SMTP server used to test and stage email systems. It enables developers to evaluate the email functionality of their application (such as email verification) without sending emails to actual users. Mailtrap intercepts email messages sent by a developer's application and displays them in a web-based inbox. The developer can then examine the email, verify the correctness of the message's content, and examine its formatting.</p>

4.2.2 Setup Laravel Environment

The Special Needs On-boarding Management System is developed using Laravel framework. Below are the steps to setup the environment:

1. Download and install XAMPP.
2. Install composer, which is a PHP package manager that is used to manage Laravel dependencies.
3. Open VS code and its terminal to install Laravel and create Laravel project.
4. Setup database name at “.env.example” file and copy Copy the “.env.example” file to “.env” file.
5. Start Apache and MySQL in XAMPP and click “Admin” button at MySQL to open the phpMyAdmin to create a new database.
6. Run the migration to manage the tables and attributes or fields involved.
7. Create the necessary controllers and models for processing HTTP requests and generating responses, and for manage system database.
8. Create the necessary interfaces to create and display the interface of the system.
9. Create the necessary routes to map the URLs to specific controllers and actions.
10. Start the development server by using the command “php artisan serve” at the terminal in VS code.

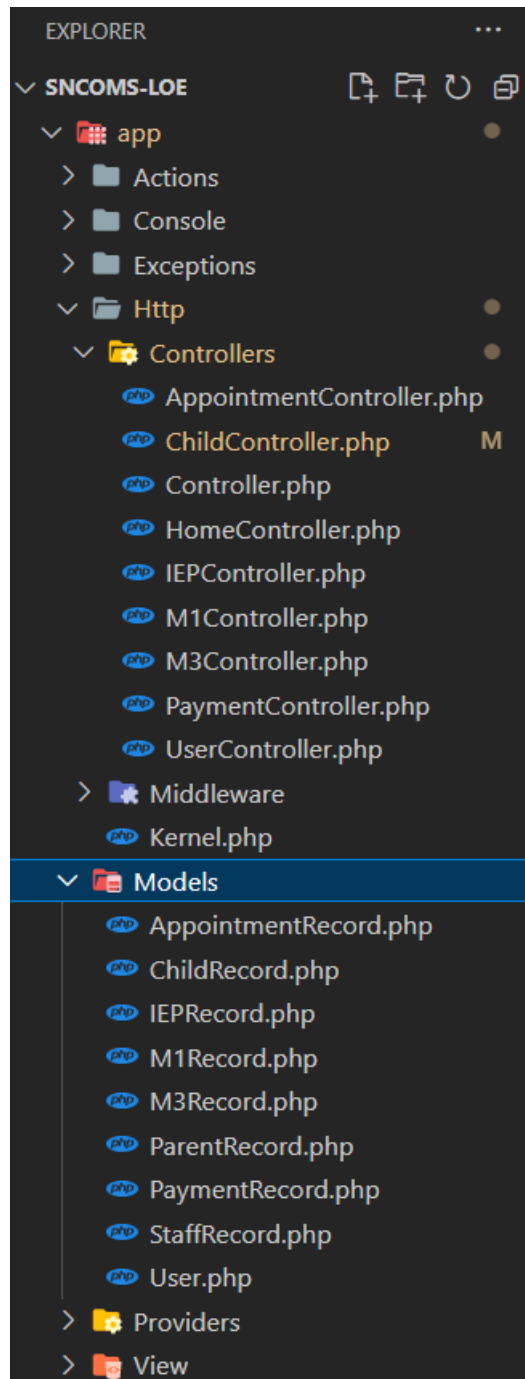


Figure 4.2.1: MVC (Model and Controller)

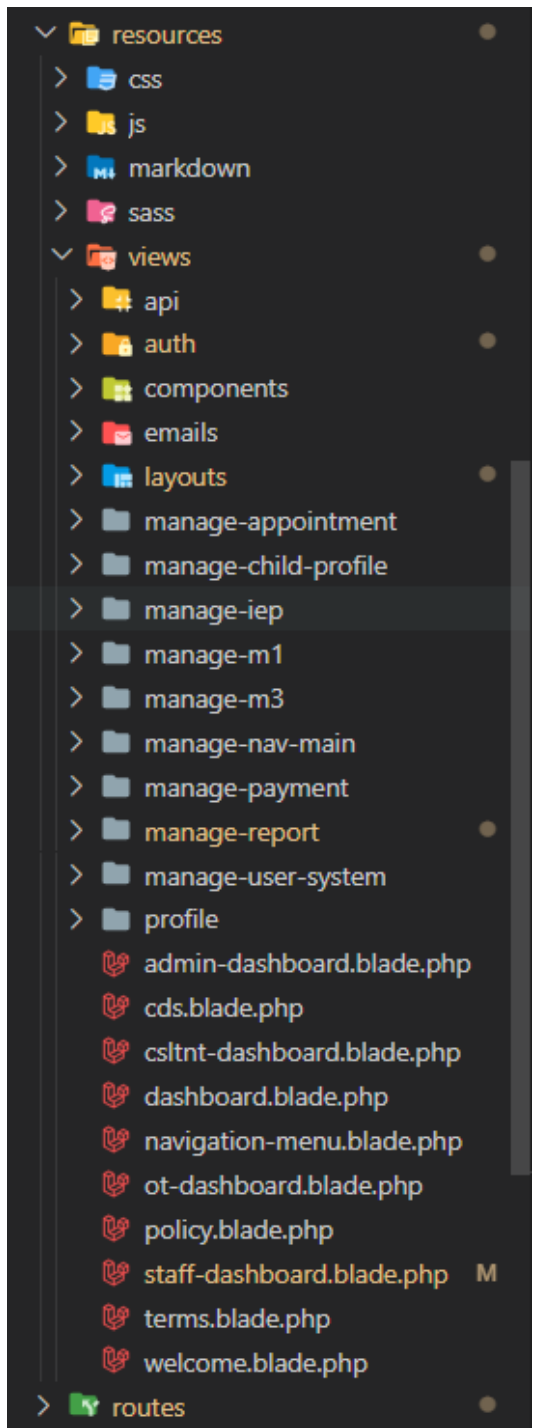
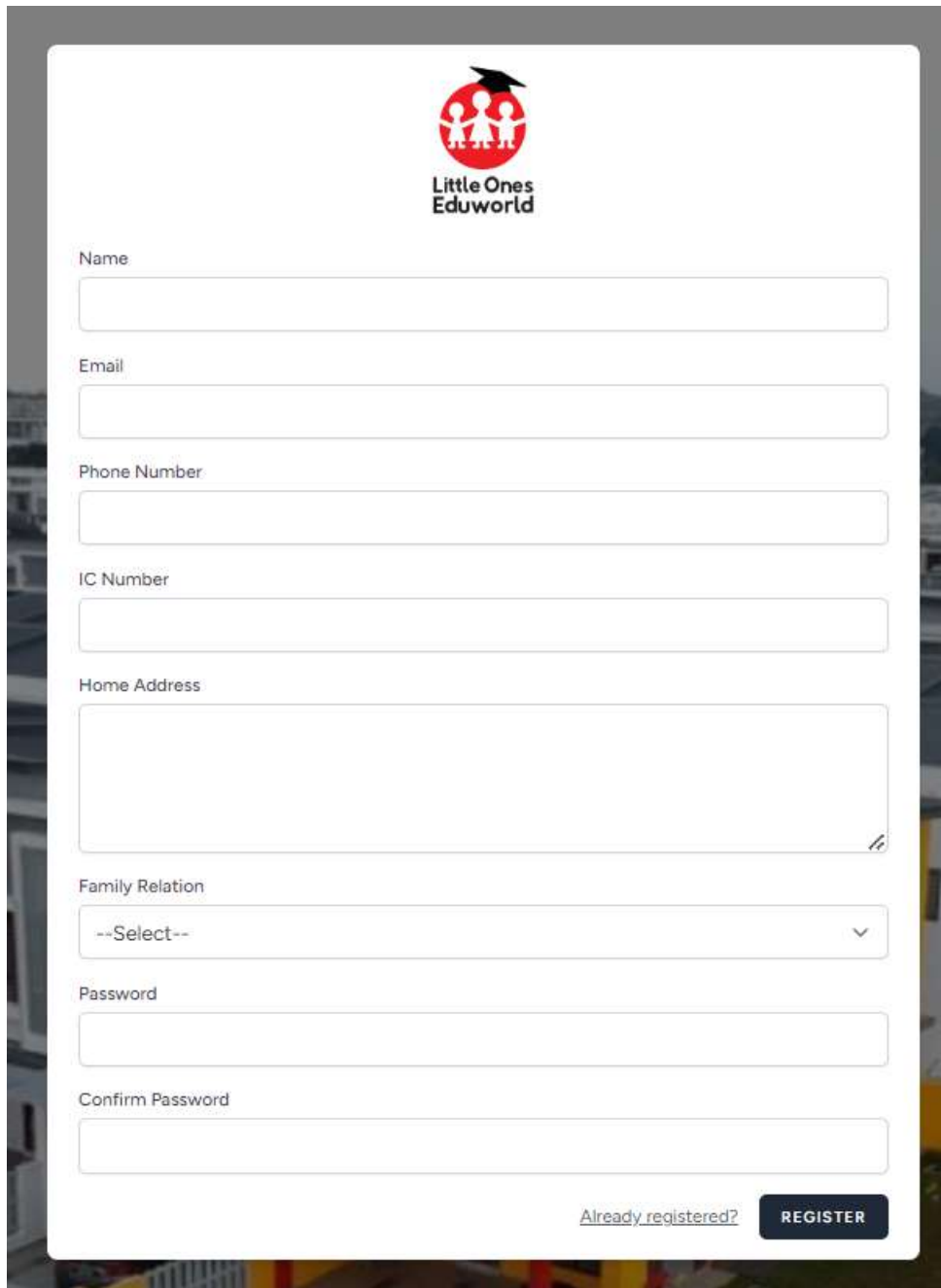


Figure 4.2.2: MVC (Views)

4.2.3 System Interface and Functionality Development

4.2.3.1 Registration



The registration page for Little Ones Eduworld features a white background with a red logo at the top center. The logo consists of a red circle containing three white stylized figures (two adults and one child) under a graduation cap, with the text "Little Ones Eduworld" below it. Below the logo are several input fields: "Name", "Email", "Phone Number", "IC Number", and "Home Address" (a larger text area). There is also a "Family Relation" dropdown menu with "--Select--" and a downward arrow. Below these are "Password" and "Confirm Password" fields. At the bottom right, there is a link for "[Already registered?](#)" and a dark blue "REGISTER" button.

Figure 4.2.3: Registration page

The user needs to key in all the information such as name, email, phone number, IC number, home address, family relation and password before registering a new account as

a parent. After clicking on the “Register” button (as shown in Figure 4.2.3), the system will redirect the user for performing email verification as shown in Figure 4.2.4.

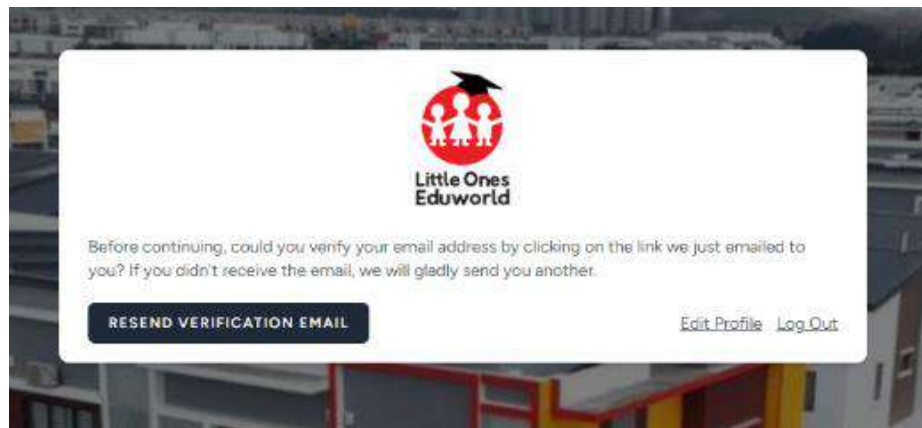


Figure 4.2.4: Email verification interface

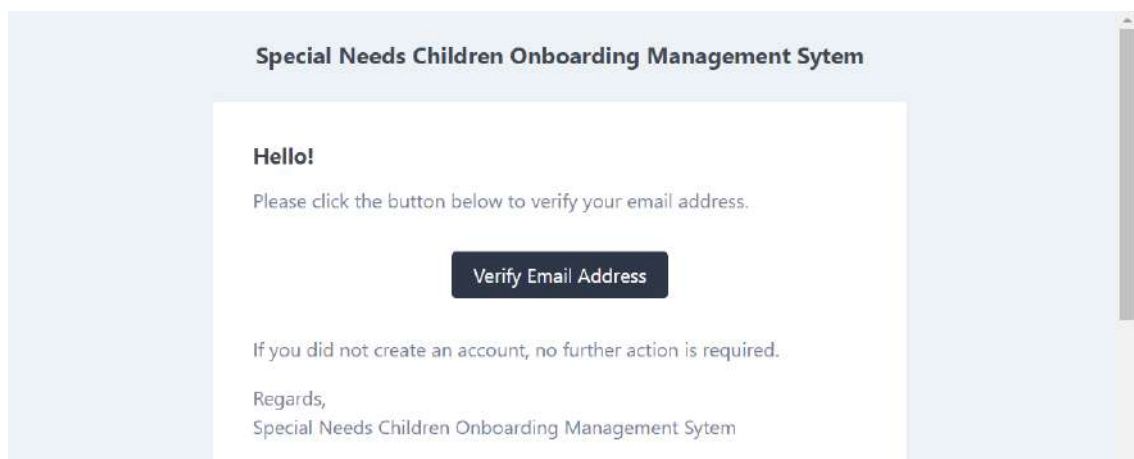
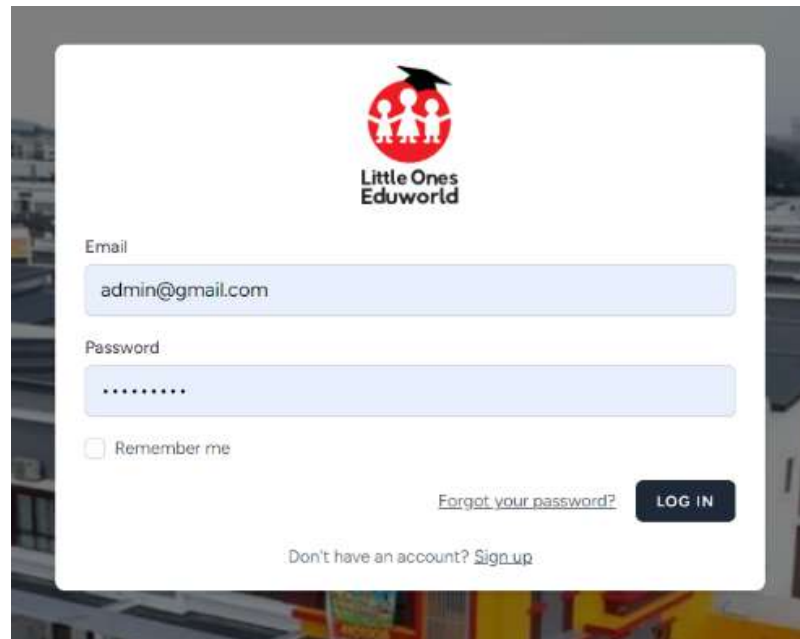


Figure 4.2.5: Received email for verification

Then the user will receive an email for verification. Users need to click on the “Verify Email Address” button in the email as shown in Figure 4.2.5, then the system will redirect the user to the parent dashboard.

4.2.3.2 Login



The image shows a login form for 'Little Ones Eduworld'. At the top center is the logo, which consists of a red circle containing three white stick figures and a black graduation cap above them, with the text 'Little Ones Eduworld' below. Below the logo are two input fields: 'Email' with the text 'admin@gmail.com' and 'Password' with a masked password '*****'. To the left of the password field is a checkbox labeled 'Remember me'. To the right of the password field is a link 'Forgot your password?' and a dark blue button labeled 'LOG IN'. At the bottom center, there is a link 'Don't have an account? Sign up'.

Figure 4.2.6: Login interface

The users need to key in the email and password before clicking on “Login” button. Then the system will redirect the user to the user’s dashboard. If the user (parent) do not have an account, they can click on the “Sign up” link (as shown in Figure 4.2.6) to register an account.

4.2.3.3 Manage Profile

My Account

Account Information
Update your account's profile information and email address.

Name
NURUL IZZAH BINTI MOHAMMAD AZMI

Email
izzah.nurul63.ni@gmail.com

SAVE

Update Password
Ensure your account is using a long, random password to stay secure.

Current Password

New Password

Confirm Password

SAVE

Figure 4.2.7: Manage My Account interface

Profile

Profile Information
Update your account's profile information.

Phone Number
0123456789

IC Number
010913100282

Home Address
NO. 5, JALAN SAWI 24/3,
SEKSYEN 24,
40400 SHAH ALAM,
SELANGOR

Family Relation
Mother

SAVE

Figure 4.2.8: Manage My Profile interface

As shown in Figure 4.2.7 and Figure 4.2.8, users able to edit their profile information and click on “Save” button to save the changes.

My Child Info

ADD CHILD

IC	NAME	DATE OF BIRTH	GENDER	PROGRAMME	ACTION
220913100286	KHAISARA BINTI ABDULLAH	2022-09-13	FEMALE	INCLUSIVE	Edit Delete
230101101243	ARIFFIN BIN ABDULLAH	2023-01-01	MALE	-	Edit Delete

Figure 4.2.9: Manage Child Profile interface

Add Child

Name

IC Number

Gender
 Male Female

Date of Birth

ADD CHILD

Figure 4.2.10: Add Child Profile interface

The users can click on “Add Child” button, as shown in Figure 4.2.9 to add child profile. Then the system will redirect to the Add Child page and the users need to key in all the information needed as shown in Figure 4.2.10.

Edit Child

Name

IC Number

Gender
 Male Female

Date of Birth

SAVE

Figure 4.2.11: Edit Child Profile interface

The users also can edit the profile by clicking on the “Edit” link as shown in Figure 4.2.9, then the system will redirect to the Edit Child Profile page. Click on “Save” button to save the changes.

4.2.3.4 Manage User System

Manage User **ADD USER**

IC	EMAIL	NAME	PHONE NO.	ROLE	POSITION	Action
990421101234	ainnazinnirah1@gmail.com	AINNA ZINNIRAH BINTI MARDZUKI	0123046598	STAFF	OCCUPATIONAL THERAPY	View Edit Delete
960512101234	smyyhr@gmail.com	WAN SUMAYYAH BINTI WAN AHMAD RAHIMAN	0125469862	STAFF	CONSULTANT	View Edit Delete
800913101237	izzuddinazmi0@gmail.com	MUHAMMAD IZZUDDIN BIN MOHAMMAD AZMI	0102356987	STAFF	MANAGER	View Edit Delete

Figure 4.2.12: Manage User System interface

The users can click on “Add User” button, as shown in Figure 4.2.12 to add user account. Then the system will redirect to the Add User page and admin need to key in all

the information needed as shown in Figure 4.2.13. Admin also can delete the users account by clicking on the “Delete” link (as shown in Figure 4.2.12).

The 'Add User' interface is a light blue form with the following fields and controls:

- Name:** A text input field.
- Phone Number:** A text input field.
- IC Number:** A text input field.
- Home Address:** A large text area for address details.
- Gender:** Radio buttons for 'Male' and 'Female'.
- Email:** A text input field.
- Password:** A text input field.
- Qualification:** A text input field.
- Position:** A dropdown menu with the placeholder text '--Select--'.
- ADD USER:** A dark blue button at the bottom right.

Figure 4.2.13: Add User interface

The 'Edit User' interface is a light blue form with the following pre-filled data and controls:

- Name:** AINNA ZINNIRAH BINTI MARDZUKI
- Phone Number:** 0123046598
- IC Number:** 990421101234
- Home Address:** NO.7, JALAN SINGA 20/1, SEKSYEN 20, 40300 SHAH ALAM, SELANGOR
- Gender:** 'Female' is selected with a radio button.
- Email:** ainnazinnirah1@gmail.com
- Password:** An empty text input field.
- Qualification:** BACHELOR OF OCCUPATIONAL THERAPY
- Position:** OCCUPATIONAL THERAPY (selected in the dropdown menu)
- SAVE:** A dark blue button at the bottom right.

Figure 4.2.14: Edit User interface

The users also can edit the profile by clicking on the “Edit” link as shown in Figure 4.2.14, then the system will redirect to the Edit User Profile page. Click on “Save” button to save the changes.

The screenshot displays a 'User Details' form with the following information:

Field	Value
Name	AINNA ZINNIRAH BINTI MARDZUKI
IC Number	990421101234
Email	ainnazinnirah1@gmail.com
Phone Number	0123046598
Home Address	NO.7, JALAN SINGA 20/1, SEKSYEN 20, 40300 SHAH ALAM, SELANGOR
Qualification	BACHELOR OF OCCUPATIONAL THERAPY
Position	OCCUPATIONAL THERAPY

A 'BACK' button is located in the bottom right corner of the form.

Figure 4.2.15: View User details interface

The users also can view the profile by clicking on the “View” link as shown in Figure 4.2.12, then the system will redirect to the View User Profile Details page. Click on “Back” button to go to previous page.

4.2.3.5 Manage Pre-screening (M1)

Pre-screening (M1)

The screenshot displays a web-based questionnaire titled "Pre-screening (M1)". At the top, there is a dropdown menu for "Child Name" with the value "KHAISARA BINTI ABDULLAH". Below this, the form contains 11 numbered questions:

1. Apa yang ibu/bapa paling bimbang tentang anak? (Text input field)
2. Dah pernah bawa anak jumpa doktor/terapis? (Radio buttons: Ya Tidak)
3. Ada diagnos daripada doktor/terapis? (Text input field)
4. Ada tingkah laku agresif, tantrum atau disruptif? (Text input field)
5. Anak boleh duduk diam di meja selama 10-15 minit? (Radio buttons: Ya Tidak)
6. Boleh faham satu langkah arahan? (Contoh: Ali duduk) (Radio buttons: Ya Tidak)
7. Bagaimana anak minta sesuatu? (Text input field)
8. Anak masih pakai pampers? (Radio buttons: Ya Tidak)
9. Apa yang ibu/bapa inginkan daripada LOE TC? (Text input field)
10. Apa yang anak sudah mampu lakukan? (Kekuatan anak) (Text input field)
11. Darimana ibu-bapa tahu mengenai kami? (Checkboxes: Social Media Ahli Keluarga/Rakan-rakan Papan Iklan Lain-lain)

At the bottom of the form, there is a checkbox for the statement: "I acknowledge that all my answers are accurate, and all information provided is private and confidential." A dark blue "SUBMIT" button is located in the bottom right corner of the form area.

Figure 4.2.16: Manage Pre-screening (M1) interface

Parents need to answer all the questionnaire and submitting the form by clicking in the “Submit” button as shown in Figure 4.2.16.

IC	230101101243	CHILD NAME	ARIFFIN BIN ABDULLAH
DATE OF BIRTH	2023-01-01	GENDER	MALE
LOE PROGRAMME	-		

1. Apa yang ibu/bapa paling bimbang tentang anak?
2. Dah pernah bawa anak jumpa doktor/terapis?
3. Ada diagnos daripada doktor/terapis?
4. Ada tingkah laku agresif, tantrum atau destruktif?
5. Anak boleh duduk diam di meja selama 10-15 minit?
6. Boleh faham satu langkah arahan? (Contoh: Ali duduk)
7. Bagaimana anak minta sesuatu?
8. Anak masih pakai pampers?
9. Apa yang ibu/bapa inginkan daripada LOE TC?
10. Apa yang anak sudah mampu lakukan? (Kekuatan anak)
11. Darimana ibu-bapa tahu mengenai kami?

LOE Programme

UPDATE

Figure 4.2.17: Update Child LOE Programme interface (LOE staff [Manager/Principal] and OT)

LOE staff are able to see the pre-screening test of the child and update their LOE programme by selecting the dropdown menu and then click on the “Update” button as shown in Figure 4.2.17.

4.2.3.6 Manage Appointment

CHILD NAME	TYPE	DATE	TIME	PIC	ACTION
KHAISARA BINTI ABDULLAH	PERJUMPAAN PERTAMA (P1)	2023-06-30	08:30 AM	WAN SUMAYYAH BINTI WAN AHMAD RAHIMAN (CONSULTANT)	Cancel Book
ARIFFIN BIN ABDULLAH	PERJUMPAAN PERTAMA (P1)	2023-06-09	10:00 AM	- (-)	Cancel Book
HANAN BIN ABDULLAH	PERJUMPAAN PERTAMA (P1)	2023-06-12	09:00 AM	AINNA ZINNIRAH BINTI MARDZUKI (OCCUPATIONAL THERAPY)	Cancel Book

Figure 4.2.18: Manage Appointment interface (Admin)

CHILD NAME	TYPE	DATE	TIME	PIC	ACTION
KHAISARA BINTI ABDULLAH	PERJUMPAAN PERTAMA (P1)	2023-06-30	08:30 AM	WAN SUMAYYAH BINTI WAN AHMAD RAHIMAN (CONSULTANT)	Cancel Book
ARIFFIN BIN ABDULLAH	PERJUMPAAN PERTAMA (P1)	2023-06-09	10:00 AM	- (-)	Cancel Book

Figure 4.2.19: Manage Appointment interface (Parent)

The parent and admin are able to cancel book by clicking on the “Cancel Book” link (as shown in Figure 4.2.18 and Figure 4.2.19).

Book Appointment

Child Name

Type

Date

Time

BOOK

Figure 4.2.20: Book Appointment interface (Parent)

To book an appointment, the parent needs to click on the “Book Appointment” button (as shown in Figure 4.2.19) and key in all the information as shown in Figure 4.2.20. Then, click on the “Book” button to submit it.

Manage Appointment

CHILD NAME	TYPE	DATE	TIME	PIC	ACTION
KHAISARA BINTI ABDULLAH	PERJUMPAAN PERTAMA (P1)	2023-06-30	08:30 AM	WAN SUMAYYAH BINTI WAN AHMAD RAHIMAN (CONSULTANT)	Update PIC
ARIFFIN BIN ABDULLAH	PERJUMPAAN PERTAMA (P1)	2023-06-09	10:00 AM	- (-)	Update PIC
HANAN BIN ABDULLAH	PERJUMPAAN PERTAMA (P1)	2023-06-12	09:00 AM	AINNA ZINNIRAH BINTI MARDZUKI (OCCUPATIONAL THERAPY)	Update PIC

Figure 4.2.21: Manage Appointment interface (LOE staff [Manager/Principal])

Manage Appointment

IC	230101101243	CHILD NAME	ARIFFIN BIN ABDULLAH
DATE OF BIRTH	2023-01-01	GENDER	MALE
LOE PROGRAMME	-		

Type
PERJUMPAAN PERTAMA (P1)

Date
2023-06-09

Time
10:00 AM

Person in Charge
--Select--

UPDATE

Figure 4.2.22: Update PIC interface (LOE staff [Manager/Principal])

The LOE staff is able to update the person in charge by clicking on the “Update PIC” link as shown in Figure 4.2.21. then the user will be redirected to the Update PIC page as shown in Figure 4.2.22 to update the person in charge of appointment.

4.2.3.7 Manage Parent Initial Info (M3)

Parent Initial Information (M3)

Child Name
KHAISARA BINTI ABDULLAH

1: Fail-fail yang diperlukan:

1. Kad imunisasi anak
Choose File No file chosen

2. Rekod M-CHAT (sekiranya ada)
Choose File No file chosen

3. Apa-apa rekod penilaian doktor/terapis yang diperolehi?
Choose File No file chosen

2: Sebelum Anak Lahir:

1. Pengalaman semasa mengandung

2. Kandungan ke berapa?

Figure 4.2.23: Manage Parent Initial Info (M3) interface

Parents need to answer all the questionnaire and submitting the form by clicking in the “Submit” button as shown in Figure 4.2.23.

4.2.3.8 Manage Payment

Make Payment

Child Name
KHAISARA BINTI ABDULLAH

Fee Type
--Select--

Total Payment

Payment Type
--Select--

Bank Name
--Select--

Remarks

PAY

Figure 4.2.24: Manage Payment interface

Parents need to key in all the information and submitting the form by clicking in the “Pay” button as shown in Figure 4.2.24 to do payment.

4.2.3.9 Manage Individualize Education Plan (IEP)

Manage IEP

IC	NAME	DATE OF BIRTH	GENDER	PROGRAMME	ACTION
220913100286	KHAISARA BINTI ABDULLAH	2022-09-13	FEMALE	INTENSIVE	Add View Delete
210720100263	HANAN BIN ABDULLAH	2021-07-20	MALE	INTENSIVE	Add View Delete

Figure 4.2.25: Manage IEP (admin) interface

NAMA ANAK: KHAISARA BINTI ABDULLAH		TARIKH LAHIR: 2022-09-13	
PUSAT LOE: <input type="text"/>		LOE PROGRAM: INTENSIVE	
TARIKH MULA RPI: <input type="text" value="dd/mm/yyyy"/>		TARIKH AKHIR RPI: <input type="text" value="dd/mm/yyyy"/>	

LOE TERAPI:	RANCANGAN PENDIDIKAN INDIVIDU:	
Terapi Carakerja (OT) DDST II: i. Kemahiran Sosial-Kendiri Umur perkembangan: 4 Tahun Anak belum pandai bermain permainan berbentuk kad ii. Kemahiran Motor Halus Umur perkembangan: 3 Tahun 3 Bulan Anak mempunyai masalah melukis bentuk 'o'. iii. Kemahiran Motor Kasar Umur perkembangan: -	DDST II	
	GOL UNTUK DICAPAI DALAM MASA 3 BULAN	INTERVENSI DALAM MASA 3 BULAN
	i. Kemahiran Sosial-Kendiri: <input type="text"/>	i. Kemahiran Sosial-Kendiri: <input type="text"/>
	ii. Kemahiran Motor Halus: <input type="text"/>	ii. Kemahiran Motor Halus: <input type="text"/>
	iii. Kemahiran Motor Kasar: <input type="text"/>	iii. Kemahiran Motor Kasar: <input type="text"/>
	iv. Kemahiran Bahasa: <input type="text"/>	iv. Kemahiran Bahasa: <input type="text"/>

Figure 4.2.26: Add IEP interface

User need to key in all the information and submitting the form by clicking in the “Add” button as shown in Figure 4.2.26 to add new child’s IEP.

NAMA ANAK: KHAISARA BINTI ABDULLAH		TARIKH LAHIR: 2022-09-13	
PUSAT LOE: LOE TAMAN ROWTHER GOMBAK		LOE PROGRAM: INTENSIVE	
TARIKH MULA RPI: 2022-03-25		TARIKH AKHIR RPI: 2022-06-30	

LOE TERAPI:	RANCANGAN PENDIDIKAN INDIVIDU:								
Terapi Carakerja (OT) DDST II: i. Kemahiran Sosial-Kendiri Umur perkembangan: 4 Tahun Anak belum pandai bermain permainan berbentuk kad	DDST II								
	<table border="1"> <thead> <tr> <th style="background-color: #1a2b3d; color: white;">GOL UNTUK DICAPAI DALAM MASA 3 BULAN</th> <th style="background-color: #1a2b3d; color: white;">INTERVENSI DALAM MASA 3 BULAN</th> </tr> </thead> <tbody> <tr> <td> i. Kemahiran Sosial-Kendiri: <div style="border: 1px solid #ccc; height: 40px; width: 100%;"></div> </td> <td> i. Kemahiran Sosial-Kendiri: Mei. Anak bermain permainan berbentuk kad UNO secara betul dengan menggunakan </td> </tr> <tr> <td> ii. Kemahiran Motor Halus: Anak melukis bentuk 'o'. </td> <td> ii. Kemahiran Motor Halus: Latihan aktiviti membuat garisan bentuk 'o' di atas permukaan tekstur pelbagai pada bulan April. </td> </tr> <tr> <td> iii. Kemahiran Motor Kasar: </td> <td> iii. Kemahiran Motor Kasar: </td> </tr> </tbody> </table>	GOL UNTUK DICAPAI DALAM MASA 3 BULAN	INTERVENSI DALAM MASA 3 BULAN	i. Kemahiran Sosial-Kendiri: <div style="border: 1px solid #ccc; height: 40px; width: 100%;"></div>	i. Kemahiran Sosial-Kendiri: Mei. Anak bermain permainan berbentuk kad UNO secara betul dengan menggunakan	ii. Kemahiran Motor Halus: Anak melukis bentuk 'o'.	ii. Kemahiran Motor Halus: Latihan aktiviti membuat garisan bentuk 'o' di atas permukaan tekstur pelbagai pada bulan April.	iii. Kemahiran Motor Kasar:	iii. Kemahiran Motor Kasar:
	GOL UNTUK DICAPAI DALAM MASA 3 BULAN	INTERVENSI DALAM MASA 3 BULAN							
	i. Kemahiran Sosial-Kendiri: <div style="border: 1px solid #ccc; height: 40px; width: 100%;"></div>	i. Kemahiran Sosial-Kendiri: Mei. Anak bermain permainan berbentuk kad UNO secara betul dengan menggunakan							
ii. Kemahiran Motor Halus: Anak melukis bentuk 'o'.	ii. Kemahiran Motor Halus: Latihan aktiviti membuat garisan bentuk 'o' di atas permukaan tekstur pelbagai pada bulan April.								
iii. Kemahiran Motor Kasar:	iii. Kemahiran Motor Kasar:								

Figure 4.2.27: View IEP interface

4.2.3.10 Manage Report

Report: Pre-screening (M1)

IC	NAME	DATE OF BIRTH	GENDER	PROGRAMME	ACTION
220913100286	KHAISARA BINTI ABDULLAH	2022-09-13	FEMALE	INCLUSIVE	View
230101101243	ARIFFIN BIN ABDULLAH	2023-01-01	MALE	-	View

Figure 4.2.28: Pre-screening Report interface

Report: M1 Details

IC	220913100286	CHILD NAME	KHAISARA BINTI ABDULLAH
DATE OF BIRTH	2022-09-13	GENDER	FEMALE
LOE PROGRAMME	INCLUSIVE		

1. Apa yang ibu/bapa paling bimbang tentang anak?
2. Dah pernah bawa anak jumpa doktor/terapis?
3. Ada diagnos daripada doktor/terapis?
4. Ada tingkah laku agresif, tantrum atau distraktif?
5. Anak boleh duduk diam di meja selama 10-15 minit?
6. Boleh faham satu langkah arahan? (Contoh: Ali duduk)
7. Bagaimana anak minta sesuatu?
8. Anak masih pakai pampers?
9. Apa yang ibu/bapa inginkan daripada LOE TC?
10. Apa yang anak sudah mampu lakukan? (Kekuatan anak)
11. Darimana ibu-bapa tahu mengenai kami?

[BACK](#)

Figure 4.2.29: M1 details interface

Report: Payment

IC	NAME	FEE TYPE	TOTAL AMOUNT	PAYMENT TYPE	BANK NAME	REMARKS
220913100286	KHAISARA BINTI ABDULLAH	PROGRAM PEMERHATIAN SEBULAN (PPS)	RM 375.00	ONLINE BANK-IN	MAYBANK	-
210720100263	HANAN BIN ABDULLAH	PROGRAM PEMERHATIAN SEBULAN (PPS)	RM 375.00	ONLINE BANK-IN	BIMB	none

Figure 4.2.30: Payment Report interface

Report: Parent and Child Info

IC	NAME	DATE OF BIRTH	GENDER	PROGRAMME	ACTION
220913100286	KHAISARA BINTI ABDULLAH	2022-09-13	FEMALE	INCLUSIVE	View
23101101243	ARIFFIN BIN ABDULLAH	2023-01-01	MALE	-	View
200720100263	ADAM IDRIS BIN NUH SOLEH	2020-07-20	MALE	-	View
210720100263	HANAN BIN ABDULLAH	2021-07-20	MALE	INTENSIVE	View

Figure 4.2.31: Child and Parent Info Report interface

Report: Parent and Child Details

Name KHAISARA BINTI ABDULLAH	Parent Name NURUL IZZAH BINTI MOHAMMAD AZMI
IC Number 220913100286	IC Number 010913100282
Gender FEMALE	Relation MOTHER
Date of Birth 2022-09-13	Phone Number 0123456789
Address NO. 5, JALAN SAWI 24/3, SEKSYEN 24, 40400 SHAH ALAM, SELANGOR	Email izzah.nurul63.ni@gmail.com

[BACK](#)

Figure 4.2.32: Child and Parent Info details interface

Manage Report: Appointment

CHILD NAME	TYPE	DATE	TIME	PIC
HANAN BIN ABDULLAH	PERJUMPAAN PERTAMA (P1)	2023-06-12	09:00 AM	AINNA ZINNIRAH BINTI MARDZUKI (OCCUPATIONAL THERAPY)

Figure 4.2.33: Appointment Report interface

IC	210720100263	CHILD NAME	HANAN BIN ABDULLAH
DATE OF BIRTH	2021-07-20	GENDER	MALE
LOE PROGRAMME	INTENSIVE		

1: Fail-fail yang diperlukan:

- Kad imunisasi anak
LOE Onboarding System.pdf
- Rekod M-CHAT (sekiranya ada)
-
- Apa-apa rekod penilaian doktor/terapis yang diperolehi?
-

2: Sebelum Anak Lahir:

- Pengalaman semasa mengandung
- Kandungan ke berapa?

Figure 4.2.34: M3 Report interface

The users are able to view the reports only.

4.2.4 Coding Implementation

4.2.4.1 Model

```
protected $table = 'users';
protected $primaryKey = 'id';

protected $fillable = [
    'name',
    'email',
    'password',
    'role',
];
```

Figure 4.2.35: Fillable User Model

```
public function parent(){
    return $this->hasOne(ParentRecord::class, 'user_id', 'id');
}

public function staff(){
    return $this->hasOne(StaffRecord::class, 'user_id', 'id');
}
```

Figure 4.2.36: Relationship in User Model

This model (Figure 4.2.35 and Figure 4.2.36) is connected with the users table to store, retrieve, edit and delete users' information. This model is mostly used in the Registration, Login, Manage User System and Manage Profile modules. This model has one-to-one relation with parents table and staffs table.

```

class ParentRecord extends Model
{
    use HasFactory;

    protected $table = 'parents';
    protected $primaryKey = 'id';

    //attributes
    protected $fillable = [
        'p_phone_num',
        'p_ic',
        'p_address',
        'p_relation',
    ];

    public function users(){
        return $this->belongsTo(User::class);
    }

    public function child(){
        return $this->hasMany(ChildRecord::class, 'parent_id', 'id');
    }
}

```

Figure 4.2.37: ParentRecord Model

This model (Figure 4.2.37) is connected with the parents table to store, retrieve, edit and delete parents' information. This model is mostly used in the Registration, Login and Manage Profile modules. This model has one-to-many relation with childs table and belongs to users table.

```

class StaffRecord extends Model
{
    use HasFactory;

    protected $table = 'staffs';
    protected $primaryKey = 'id';

    //attributes
    protected $fillable = [
        'ic',
        'gender',
        'phone_num',
        'address',
        'qualification',
        'position',
    ];

    public function users(){
        return $this->belongsTo(User::class, 'user_id', 'id');
    }

    public function appointment(){
        return $this->hasMany(AppointmentRecord::class, 'staff_id');
    }
}

```

Figure 4.2.38: StaffRecord Model

This model (Figure 4.2.38) is connected with the staffs table to store, retrieve, edit and delete staffs' information. This model is mostly used in the Manage Profile and Manage Users modules. This model has one-to-many relation with appointments table and belongs to users table.


```

class ChildRecord extends Model
{
    use HasFactory;
    protected $table = 'childs';
    protected $primaryKey = 'id';

    //attributes
    protected $fillable = [
        'ch_name',
        'ch_gender',
        'ch_dob',
        'ch_ic',
        'loe_programme',
        'parent_id',
    ];

    public function parent(){
        return $this->belongsTo(ParentRecord::class, 'parent_id', 'id');
    }

    public function m1(){
        return $this->hasMany(M1Record::class, 'child_id');
    }

    public function appointment(){
        return $this->hasMany(AppointmentRecord::class, 'child_id');
    }

    public function m3(){
        return $this->hasMany(M3Record::class, 'child_id');
    }

    public function payment(){
        return $this->hasMany(PaymentRecord::class, 'child_id');
    }
}

```

Figure 4.2.39: ChildRecord Model

This model (Figure 4.2.39) is connected with the childs table to store, retrieve, edit and delete childs' information. This model is mostly used in the Manage Child Profile and Manage M1, Manage M3, Manage Payment and most modules in the system. This model has one-to-many relation with appointments table, m3s table, payments table and m1s table. This model also belongs to parents table.

```

class M1Record extends Model
{
    use HasFactory;
    protected $table = 'm1s';
    protected $primaryKey = 'id';

    //attributes
    protected $fillable = [
        'psQID',
        'answer',
        'child_id',
    ];

    public function child(){
        return $this->belongsTo(ChildRecord::class, 'child_id', 'id');
    }
}

```

Figure 4.2.40: M1Record Model

This model (Figure 4.2.40) is connected with the m1s table to store and retrieve m1s information. This model is mostly used in the Manage M1 and Manage Report modules. Also, this model has relation belongs to childs table.

```

class AppointmentRecord extends Model
{
    use HasFactory;

    protected $table = 'appointments';
    protected $primaryKey = 'id';

    //attributes
    protected $fillable = [
        'appntmnt_type',
        'appntmnt_date',
        'appntmnt_time',
        'staff_id',
        'child_id',
    ];

    public function staff(){
        return $this->belongsTo(StaffRecord::class, 'staff_id', 'id')->with('users');
    }
    public function child(){
        return $this->belongsTo(ChildRecord::class, 'child_id', 'id');
    }
}

```

Figure 4.2.41: AppointmentRecord Model

This model (Figure 4.2.41) is connected with the appointments table to store, retrieve, edit and delete appointments' information. This model is mostly used in the Manage Appointment and Manage Report modules. This model has relation belongs to staffs and childs table.

```
class M3Record extends Model
{
    use HasFactory;
    protected $table = 'm3s';
    protected $primaryKey = 'id';

    //attributes
    protected $fillable = [
        'm3QID',
        'answer',
        'child_id',
    ];

    public function child(){
        return $this->belongsTo(ChildRecord::class, 'child_id', 'id');
    }
}
```

Figure 4.2.42: M3Record Model

This model (Figure 4.2.42) is connected with the m3s table to store and retrieve m3s information. This model is mostly used in the Manage M3 and Manage Report modules. This model has relation belongs to childs table.

```

class PaymentRecord extends Model
{
    use HasFactory;
    protected $table = 'payments';
    protected $primaryKey = 'id';

    //attributes
    protected $fillable = [
        'payment_type',
        'total_payment',
        'payment_remarks',
        'bank_name',
        'fee_type',
        'child_id',
    ];

    public function child(){
        return $this->belongsTo(ChildRecord::class, 'child_id', 'id');
    }
}

```

Figure 4.2.43: PaymentRecord Model

This model (Figure 4.2.43) is connected with the payments table to store and retrieve payment information. This model is mostly used in the Manage Payment and Manage Report modules. This model has relation belongs to childs table.

4.2.4.2 Controller

```
class HomeController extends Controller
{
    //Check User Role
    public function index()
    {
        if (!Auth::user()) {
            return redirect()->route('login');
        }
        if (Auth::user()->role === 'ADMIN') {
            return redirect()->route('admin.dashboard');
        }
        if (Auth::user()->role === 'STAFF') {
            $staffRecord = StaffRecord::where('user_id', Auth::user()->id)->first();
            if ($staffRecord && $staffRecord->position === 'OCCUPATIONAL THERAPY') {
                return redirect()->route('child.list');
            } elseif ($staffRecord && $staffRecord->position === 'CONSULTANT') {
                return redirect()->route('consultant.dashboard');
            } elseif ($staffRecord && in_array($staffRecord->position, ['MANAGER', 'PRINCIPAL'])) {
                return redirect()->route('staff.dashboard');
            }
        } else {
            return redirect()->route('dashboard');
        }
    }
}
```

Figure 4.2.44: Home Controller

This controller (Figure 4.2.44) is used to redirect the users from login page to the respective user dashboard pages.

```

class UserController extends Controller
{
    public function index()
    {
        $users = User::with(['staff', 'parent'])->where('role', '!=', 'ADMIN')->get();
        // Pass the users data to a view
        return view('admin-dashboard', compact('users'));
    }

    /**
     * Display the specified resource.
     *
     * @param int $id
     * @return \Illuminate\Http\Response
     */
    public function show($id)
    {
        // page view/manage-user-system.view-user
        $users = User::where('id', $id)->get();
        return view('manage-user-system.view-user', ['users' => $users]);
    }

    public function create(Request $request)
    {
        // page view/manage-user-system.add-user
        //proses submit dekat form bila tkan bttn
        // ikut migration
        $inputUser = new User();
        $inputUser->name = $request->name;
        $inputUser->email = $request->email;
        $inputUser->password = Hash::make($request->password);
        $inputUser->role = 'STAFF';
        $inputUser->save();

        $inputStaff = new StaffRecord();
        $inputStaff->ic = $request->ic;
        $inputStaff->gender = $request->gender;
        $inputStaff->phone_num = $request->phone_num;
        $inputStaff->address = $request->address;
        $inputStaff->qualification = $request->qualification;
        $inputStaff->position = $request->position;
        $inputStaff->user_id = $inputUser->id;
        $inputStaff->save();

        return redirect()->route('admin.dashboard')->with('success', 'Successfully Add');
    }
}

```

Figure 4.2.45: User Controller (index, show, create function)

```

public function store(array $input): User
{
    //untuk masukkan data
    //add values to multiple tables
    DB::transaction(function () use ($input, &$user) {
        Validator::make($input, [
            'name' => ['required', 'string', 'max:255'],
            'email' => ['required', 'string', 'email', 'max:255', 'unique:users'],
            'password' => $this->passwordRules(),
            'terms' => Jetstream::hasTermsAndPrivacyPolicyFeature() ? ['accepted', 'required'] : '',
            //Staff
            'ic' => ['required', 'regex:/\d{12}/'],
            'gender' => ['required', 'in:MALE,FEMALE'],
            'phone_num' => ['required', 'string', 'regex:/\d{10,11}/'],
            'address' => ['required', 'string', 'max:255'],
            'qualification' => ['required', 'string', 'max:255'],
            'position' => ['required', 'string', 'max:255'],
        ]->validate();

        $user = User::create([
            'name' => $input['name'],
            'email' => $input['email'],
            'password' => Hash::make($input['password']),
        ]);

        //Create staff (Child table of User table)
        $staff = new StaffRecord([
            'ic' => $input['ic'],
            'gender' => $input['gender'],
            'phone_num' => $input['phone_num'],
            'address' => $input['address'],
            'qualification' => $input['qualification'],
            'position' => $input['position'],
        ]);

        $user->parent()->save($staff);
        event(new Registered($user));
    });
    return $user;

    //kembali ke interface asal
    return redirect('admin.dashboard')
        ->with('success', 'New User Successfully Added');
}

```

Figure 4.2.46: User Controller (store function)

```

public function edit($id)
{
    $users = User::where('id', $id)->get();
    return view('manage-user-system.edit-user', ['users' => $users]);
}

public function editProfile()
{
    // $users = User::where('id', $id)->get();
    return view('profile.update-user-details-form');
}

/**
 * Update the specified resource in storage.
 *
 * @param \Illuminate\Http\Request $request
 * @param int $id
 * @return \Illuminate\Http\Response
 */

public function update(Request $request, $id)
{
    $users = User::find($id);

    $users->name = $request->input('name');
    $users->email = $request->input('email');

    if ($users->role === "STAFF") {
        $users->staff->address = $request->input('address');
        $users->staff->phone_num = $request->input('phone_num');
        $users->staff->ic = $request->input('ic');
        $users->staff->qualification = $request->input('qualification');
        $users->staff->position = $request->input('position');
        $users->staff->gender = $request->input('gender');
        $users->staff->update();
    }
    if ($users->role === "PARENT") {
        $users->parent->p_ic = $request->input('ic');
        $users->parent->p_phone_num = $request->input('phone_num');
        $users->parent->p_address = $request->input('address');
        $users->parent->p_relation = $request->input('p_relation');
        $users->parent->update();
    }

    // Check if the password field is not empty
    if ($request->filled('password')) {
        $users['password'] = Hash::make($request->input('password'));
    }

    $users->update();

    return redirect()->route('admin.dashboard')->with('success', 'Successfully Update');
}

```

Figure 4.2.47: User Controller (edit, editProfile, update function)


```

public function updateProfile(Request $request, $id)
{
    $users = User::find($id);

    if ($users->role === "STAFF") {
        $users->staff->address = $request->input('address');
        $users->staff->phone_num = $request->input('phone_num');
        $users->staff->ic = $request->input('ic');
        $users->staff->qualification = $request->input('qualification');
        $users->staff->position = $request->input('position');
        $users->staff->gender = $request->input('gender');
        $users->staff->save();
    }
    if ($users->role === "PARENT") {
        $users->parent->p_ic = $request->input('p_ic');
        $users->parent->p_phone_num = $request->input('p_phone_num');
        $users->parent->p_address = $request->input('p_address');
        $users->parent->p_relation = $request->input('p_relation');
        $users->parent->save();
    }

    // dd($request->all());

    // Refresh the page
    return redirect()->route('profile.edit')->with(['success', 'Successfully Update']);
}

/**
 * Remove the specified resource from storage.
 *
 * @param int $id
 * @return \Illuminate\Http\Response
 */
public function destroy($user_id)
{
    $user = User::findOrFail($user_id);
    // delete related parent data first
    // Delete related staffs records
    $user->staff()->delete();
    $user->parent()->delete();

    // then delete the user data
    $user->delete();

    return redirect()->route('admin.dashboard')
        ->with('success', 'User Successfully Deleted');
}

```

Figure 4.2.48: User Controller (updateProfile, destroy function)

This controller (Figure 4.2.45, Figure 4.2.46, Figure 4.2.47, Figure 4.2.48) is used to view, store, edit, update, and delete the users' information.

```

class ChildController extends Controller
{
    //
    public function index()
    {
        if (Auth::user()->role === 'PARENT') {
            $users = auth()->user();
            $childs = $users->parent->child;

            // Pass the users data to a view
            return view('manage-child-profile.list-child', compact('childs'));
        }
        if (Auth::user()->role === 'ADMIN') {
            $childs = ChildRecord::all();
            // Pass the users data to a view
            return view('manage-report.admin.info', compact('childs'));
        }
        if (Auth::user()->role === 'STAFF') {
            $staffRecord = StaffRecord::where('user_id', Auth::user()->id)->first();
            if ($staffRecord && in_array($staffRecord->position, ['MANAGER', 'PRINCIPAL'])) {
                // Get the childs for the parent's children
                $childs = ChildRecord::all();

                // Pass the users data to a view
                return view('manage-report.admin.info', compact('childs'));
            }
            if ($staffRecord && in_array($staffRecord->position, ['OCCUPATIONAL THERAPY'])) {
                // Get the childs for the parent's children
                $childs = ChildRecord::all();

                // Pass the users data to a view
                return view('manage-report.ot.info', compact('childs'));
            }
            if ($staffRecord && in_array($staffRecord->position, ['CONSULTANT'])) {
                // Get the childs info for the parent's children
                $childs = ChildRecord::all();

                // Pass the users data to a view
                return view('manage-report.csltnt.info', compact('childs'));
            }
        }
    }
}

```

Figure 4.2.49: Child Controller (index function)

```

public function profile($id)
{
    if (Auth::user()->role === 'ADMIN') {
        $childs = ChildRecord::with('parent.users')
            ->join('parents', 'parents.id', '=', 'childs.parent_id')
            ->join('users', 'users.id', '=', 'parents.user_id')
            ->where('childs.id', $id)->get();
        // Pass the users data to a view
        return view('manage-report.admin.info-details', compact('childs'));
    }
    if (Auth::user()->role === 'STAFF') {
        $staffRecord = StaffRecord::where('user_id', Auth::user()->id)->first();
        if ($staffRecord && in_array($staffRecord->position, ['MANAGER', 'PRINCIPAL'])) {
            // Get the childs for the parent's children
            $childs = ChildRecord::with('parent.users')
                ->join('parents', 'parents.id', '=', 'childs.parent_id')
                ->join('users', 'users.id', '=', 'parents.user_id')
                ->where('childs.id', $id)->get();

            // Pass the users data to a view
            return view('manage-report.admin.info-details', compact('childs'));
        }
        if ($staffRecord && in_array($staffRecord->position, ['OCCUPATIONAL THERAPY'])) {
            // Get the childs for the parent's children
            $childs = ChildRecord::with('parent.users')
                ->join('parents', 'parents.id', '=', 'childs.parent_id')
                ->join('users', 'users.id', '=', 'parents.user_id')
                ->where('childs.id', $id)->get();

            // Pass the users data to a view
            return view('manage-report.ot.info-details', compact('childs'));
        }
        if ($staffRecord && in_array($staffRecord->position, ['CONSULTANT'])) {
            // Get the childs info for the parent's children
            $childs = ChildRecord::with('parent.users')
                ->join('parents', 'parents.id', '=', 'childs.parent_id')
                ->join('users', 'users.id', '=', 'parents.user_id')
                ->where('childs.id', $id)->get();

            // Pass the users data to a view
            return view('manage-report.csltnt.info-details', compact('childs'));
        }
    }
}
}

```

Figure 4.2.50: Child Controller (profile function)

```

public function create()
{
    return view('manage-child-profile.add-child');
}

public function store(Request $request)
{
    //untuk masukkan data
    $inputChild = new ChildRecord();
    $inputChild->ch_ic = $request->ch_ic;
    $inputChild->ch_name = $request->ch_name;
    $inputChild->ch_dob = $request->ch_dob;
    $inputChild->ch_gender = $request->ch_gender;
    $inputChild->parent_id = $request->parent_id;

    $inputChild->save();

    return redirect()->route('child.profile.list')->with('success', 'Successfully Add');
}

/**
 * Show the form for editing the specified resource.
 *
 * @param int $id
 * @return \Illuminate\Http\Response
 */
public function edit($id)
{
    $childs = ChildRecord::where('id', $id)->get();
    return view('manage-child-profile.edit-child', ['childs' => $childs]);
}

/**

```

Figure 4.2.51: Child Controller (create, edit, store function)

```

public function update(Request $request, $id)
{
    $childs = ChildRecord::find($id);

    $childs->ch_ic = $request->input('ch_ic');
    $childs->ch_name = $request->input('ch_name');
    $childs->ch_dob = $request->input('ch_dob');
    $childs->ch_gender = $request->input('ch_gender');
    $childs->parent_id = $request->input('parent_id');
    $childs->update();

    return redirect()->route('child.profile.list')->with('success', 'Successfully Edit');
}

/**
 * Remove the specified resource from storage.
 *
 * @param int $id
 * @return \Illuminate\Http\Response
 */
public function destroy($id)
{
    $childs = ChildRecord::findOrFail($id);

    // then delete the user data
    $childs->delete();

    return redirect()->route('child.profile.list')
        ->with('success', 'Child Successfully Deleted')->with('success', 'Successfully Delete');
}

```

Figure 4.2.52: Child Controller (update, destroy function)

This controller (Figure 4.2.49, Figure 4.2.50, Figure 4.2.51, Figure 4.2.52) is used to view, store, edit, update, and delete the child' information.

```

class M1Controller extends Controller
{
    //
    public function index()
    {
        $user = auth()->user();
        $parent = $user->parent;
        $childs = $parent->child;

        // Pass the users data to a view
        return view('manage-m1.parent.m1-question', compact('childs'));
    }

    //staff
    public function childList()
    {
        if (Auth::user()->role === 'STAFF') {
            $childs = ChildRecord::whereHas('m1')
                ->get();

            $staffRecord = StaffRecord::where('user_id', Auth::user()->id)->first();
            if ($staffRecord && in_array($staffRecord->position, ['MANAGER', 'PRINCIPAL'])) {
                // Pass the users data to a view
                return view('manage-m1.staff.m1-list', compact('childs'));
            } else {
                // Pass the users data to a view
                return view('ot-dashboard', compact('childs'));
            }
        }
        if (Auth::user()->role === 'ADMIN') {
            $childs = ChildRecord::whereHas('m1')
                ->get();

            return view('manage-report.admin.m1', compact('childs'));
        }
        if (Auth::user()->role === 'PARENT') {
            // Get the authenticated user (parent)
            $parent = Auth::user()->parent;

            // Get the appointments for the parent's children
            $childs = ChildRecord::whereHas('m1')->where('parent_id', $parent->id)->get();

            return view('manage-report.parent.m1', compact('childs'));
        }
    }
}

```

Figure 4.2.53: M1 Controller (index, childList function)

```

//staff
public function m1Details($id)
{
    $m1s = M1Record::with(['child'])
        ->where('child_id', $id)->get();

    $childs = ChildRecord::find($id);

    $questions = [
        1 => "1. Apa yang ibu/bapa paling bimbang tentang anak?",
        2 => "2. Dah pernah bawa anak jumpa doktor/terapis?",
        3 => "3. Ada diagnos daripada doktor/terapis?",
        4 => "4. Ada tingkah laku agresif, tantrum atau distrusif?",
        5 => "5. Anak boleh duduk diam di meja selama 10-15 minit?",
        6 => "6. Boleh faham satu langkah arahan? (Contoh: Ali duduk)",
        7 => "7. Bagaimana anak minta sesuatu?",
        8 => "8. Anak masih pakai pampers?",
        9 => "9. Apa yang ibu/bapa inginkan daripada LOE TC?",
        10 => "10. Apa yang anak sudah mampu lakukan? (Kekuatan anak)",
        11 => "11. Darimana ibu-bapa tahu mengenai kami?",
    ];

    if (Auth::user()->role === 'STAFF') {
        $staffRecord = StaffRecord::where('user_id', Auth::user()->id)->first();
        if ($staffRecord && in_array($staffRecord->position, ['MANAGER', 'PRINCIPAL'])) {
            // Pass the users data to a view
            return view('manage-m1.staff.update-program', compact('m1s', 'childs', 'questions'));
        } else {
            // Pass the users data to a view
            return view('manage-m1.ot.update-program', compact('m1s', 'childs', 'questions'));
        }
    }
    if (Auth::user()->role === 'ADMIN') {
        // Pass the users data to a view
        return view('manage-report.admin.m1-details', compact('m1s', 'childs', 'questions'));
    }
    if (Auth::user()->role === 'PARENT') {
        return view('manage-report.parent.m1-details', compact('m1s', 'childs', 'questions'));
    }
}
}

```

Figure 4.2.54: M1 Controller (m1Details function)

```

public function store(Request $request)
{
    // Loop through the questions and store the answers
    for ($i = 1; $i <= 11; $i++) {
        $answer = $request->input('q' . $i);

        // Checkbox input
        if ($i == 11) {
            $q11 = $request->input('q11');
            if ($q11 && is_array($q11)) {
                $answer = implode(',', $q11);
            }
        }

        // Create a new instance of the M1s model
        $m1s = new M1Record();

        // Assign values from the form inputs to the model attributes
        $m1s->psQID = $i;
        $m1s->answer = $answer;
        $m1s->child_id = $request->input('child_id');

        // Save the model to the database
        $m1s->save();
    }

    // Perform any additional actions or return a response as needed
    return redirect()->route('dashboard')->with('success', 'Successfully Submit');
}

```

Figure 4.2.55: M1 Controller (store function)

```

public function update(Request $request, $id)
{
    $childs = ChildRecord::find($id);

    $childs->loe_programme = $request->input('loe');
    $childs->save();

    if (Auth::user()->role === 'STAFF') {
        $staffRecord = StaffRecord::where('user_id', Auth::user()->id)->first();
        if ($staffRecord && in_array($staffRecord->position, ['MANAGER', 'PRINCIPAL'])) {
            // Pass the users data to a view
            return redirect()->route('child.list')->with('success', 'Successfully Update');
        } else {
            // Pass the users data to a view
            return redirect()->route('child.list')->with('success', 'Successfully Update');
        }
    }
}

```

Figure 4.2.56: M1 Controller (update function)

This controller (Figure 4.2.53, Figure 4.2.54, Figure 4.2.55, Figure 4.2.56) is used to view and store M1 information. Also, to edit and update child's LOE programme.


```

class AppointmentController extends Controller
{
    //
    public function index()
    {
        if (Auth::user()->role === 'ADMIN') {
            // Get the appointments for the parent's children
            $appointments = AppointmentRecord::with('staff.users', 'child')->get();

            // Pass the users data to a view
            return view('manage-appointment.admin.cancel-book', compact('appointments'));
        }
        if (Auth::user()->role === 'STAFF') {
            $staffRecord = StaffRecord::where('user_id', Auth::user()->id)->first();
            if ($staffRecord && in_array($staffRecord->position, ['MANAGER', 'PRINCIPAL'])) {
                // Get the appointments for the parent's children
                $appointments = AppointmentRecord::with('staff.users', 'child')->get();

                // Pass the users data to a view
                return view('manage-appointment.staff.list-appointment', compact('appointments'));
            }
            if ($staffRecord && in_array($staffRecord->position, ['OCCUPATIONAL THERAPY'])) {
                // Get the appointments for the parent's children
                $appointments = AppointmentRecord::where('staff_id', $staffRecord->id)
                    ->get();

                // Pass the users data to a view
                return view('manage-report.ot.appointment', compact('appointments'));
            }
            if ($staffRecord && in_array($staffRecord->position, ['CONSULTANT'])) {
                // Get the appointments for the parent's children
                $appointments = AppointmentRecord::where('staff_id', $staffRecord->id)
                    ->get();

                // Pass the users data to a view
                return view('manage-report.cslnt.appointment', compact('appointments'));
            }
        }
        else {
            // Get the authenticated user (parent)
            $parent = Auth::user()->parent;

            // Get the parent's child IDs
            $childs = $parent->child->pluck('id')->toArray();

            // Get the appointments for the parent's children
            $appointments = AppointmentRecord::with('staff.users', 'child')
                ->whereIn('child_id', $childs)
                ->get();
            // dd($appointments);

            // Pass the users data to a view
            return view('manage-appointment.parent.list-appointment', compact('appointments'));
        }
    }

    public function create()
    {
        $user = auth()->user();
        $parent = $user->parent;
        $childs = $parent->child;

        return view('manage-appointment.parent.add-appointment', compact('childs'));
    }
}

```

Figure 4.2.57: Appointment Controller (index, create function)

```

public function store(Request $request)
{
    // Create a new instance of the appointment model
    $ap = new AppointmentRecord();

    // Assign values from the form inputs to the model attributes
    $ap->appntmnt_type = $request->type;
    $ap->appntmnt_time = $request->time;
    $ap->appntmnt_date = $request->date;
    $ap->child_id = $request->input('child_id');

    // Save the model to the database
    $ap->save();

    return redirect()->route('appointment.list')->with('success', 'Successfully Book');
}

public function edit($id)
{
    $appointment = AppointmentRecord::findOrFail($id);
    $staffs = StaffRecord::all();
    $selectedStaff = StaffRecord::find($appointment->staff_id);

    return view('manage-appointment.staff.assign-pic', compact('appointment', 'staffs', 'selectedStaff'));
}

public function update(Request $request, $id)
{
    $appointment = AppointmentRecord::find($id);

    // Update the staff_id with the selected value from the dropdown
    $appointment->staff_id = $request->input('pic');
    $appointment->save();

    return redirect()->route('appointment.list')->with('success', 'Successfully updated.');
```

```

}

public function destroy($ap_id)
{
    if (Auth::user()->role === 'ADMIN') {
        $appointments = AppointmentRecord::findOrFail($ap_id);

        // delete the data
        $appointments->delete();

        // Pass the users data to a view
        return redirect()->route('appointment.list')->with('success', 'Successfully Deleted');
    }
    if (Auth::user()->role === 'PARENT') {
        $appointments = AppointmentRecord::findOrFail($ap_id);

        // delete the data
        $appointments->delete();

        // Pass the users data to a view
        return redirect()->route('appointment.list')->with('success', 'Successfully Deleted');
    }
}

```

Figure 4.2.58: Appointment Controller (store, edit, update, destroy function)

This controller (Figure 4.2.57, Figure 4.2.58) is used to view, store, edit, update and delete appointment info.

```

class M3Controller extends Controller
{
    //
    public function index()
    {
        $user = auth()->user();
        $parent = $user->parent;
        $childs = $parent->child;

        $sections = [
            [
                'title' => '1: Fail-fail yang diperlakukan',
                'questions' => [
                    ['mq10' => 'q1', 'text' => '1. Kad imisasi anak'],
                    ['mq10' => 'q1', 'text' => '2. Akad e.CHAT (sekiranya ada)'],
                    ['mq10' => 'q1', 'text' => '3. Apa-apa rekod penilaian doktor/terapis yang diperoleh?'],
                ],
            ],
            [
                'title' => '2: Sebelum Anak lahir',
                'questions' => [
                    ['mq10' => 'q1', 'text' => '1. Pengalaman semasa mengandung'],
                    ['mq10' => 'q1', 'text' => '2. Landungan ke beraps?'],
                    ['mq10' => 'q1', 'text' => '3. Umur ibu semasa mengandung'],
                    ['mq10' => 'q1', 'text' => '4. Keamatan doktor yang penting?'],
                    ['mq10' => 'q1', 'text' => '5. Ada alahan atau morning sickness?', 'options' => ['Ya', 'Tidak']],
                ],
            ],
            [
                'title' => '3: Semasa Melahirkan',
                'questions' => [
                    ['mq10' => 'q1', 'text' => '1. Pengalaman semasa melahirkan', 'options' => ['Normal', 'Caesarean', 'Vacuum', 'Forcep']],
                    ['mq10' => 'q18', 'text' => '2. Cukup minggu?', 'options' => ['Ya', 'Tidak']],
                    ['mq10' => 'q11', 'text' => '3. Keadaan anak selepas dilahirkan (Jumlah, Bayi kurang berat, Bayi besar, komplikasi lain?)'],
                ],
            ],
            [
                'title' => '4: Pengalaman dalam Pantang',
                'questions' => [
                    ['mq10' => 'q12', 'text' => '1. Pemakanan ibu'],
                    ['mq10' => 'q13', 'text' => '2. Penyusuan anak'],
                    ['mq10' => 'q14', 'text' => '3. Tingkah laku anak (Menangis, kembung perut dan lain-lain lagi?)'],
                ],
            ],
            [
                'title' => '5: Sejarah Pembesaran anak',
                'questions' => [
                    ['mq10' => 'q15', 'text' => '1. Siapa yang jaga anak?', 'options' => ['Ibu bapa', 'Atak/Nenek', 'saudara-mara', 'Penjaga']],
                    ['mq10' => 'q16', 'text' => '2. Ada tingkah laku yang membimbangkan?'],
                    ['mq10' => 'q17', 'text' => '3. Perbezaan dalam perkembangan anak berbanding anak lain (sekiranya ada)'],
                ],
            ],
            [
                'title' => '6: Tingkah laku anak ketika di rumah sendiri',
                'questions' => [
                    ['mq10' => 'q18', 'text' => '1. Cara berkomunikasi dengan ibu dan bapa'],
                    ['mq10' => 'q19', 'text' => '2. Cara berkomunikasi dengan adik-beradik (sekiranya ada)'],
                    ['mq10' => 'q20', 'text' => '3. Cara anak bermain di rumah'],
                    ['mq10' => 'q11', 'text' => '4. Barang permainan yang ada yang anak paling gemari'],
                    ['mq10' => 'q12', 'text' => '5. Perkara yang anak tidak suka'],
                    ['mq10' => 'q13', 'text' => '6. Perkara yang anak paling suka'],
                    ['mq10' => 'q14', 'text' => '7. Sesuatu atau perkara yang anak takuti'],
                    ['mq10' => 'q15', 'text' => '8. Objek yang anak jadi obsesif'],
                ],
            ],
            [
                'title' => '7: Penggunaan gajet',
                'questions' => [
                    ['mq10' => 'q16', 'text' => '1. Namakan gajet yang anak dapat', 'options' => ['Telefon Pintar', 'komputer Ribs', 'Tablet', 'Desktop', 'Lain-lain']],
                    ['mq10' => 'q17', 'text' => '2. Bila anak mula diberikan gajet?', 'options' => ['kurang dari 2 tahun', '2 hingga 4 tahun', '4 tahun dan ke atas']],
                    ['mq10' => 'q18', 'text' => '3. Kenapa lama masa anak guna gajet?', 'options' => ['kurang dari 1 jam', '1 hingga 4 jam', 'Lebih dari 4 jam']],
                    ['mq10' => 'q19', 'text' => '4. Apa yang anak paling suka bila mendapat gajet?', 'options' => ['Youtube', 'Bermain game', 'Belajar', 'Menghubungi seseorang', 'Lain-lain']],
                    ['mq10' => 'q10', 'text' => '5. Ada kerosak buruk di atas penggunaan gajet ini?', 'options' => ['Ya', 'Tidak']],
                ],
            ],
        ];
    }
}

```

Figure 4.2.59: M3 Controller (index function)

```

    ],
    [
        'title' => '8: Tingkah laku anak ketika di luar rumah:',
        'questions' => [
            ['m3QID' => 'q31', 'text' => '1. Tempat yang anak tidak suka'],
            ['m3QID' => 'q32', 'text' => '2. Tempat yang anak suka'],
            ['m3QID' => 'q33', 'text' => '3. Keadaan anak seesa keluar bersiar-siar dengan keluarga (Taman permainan, Pasaraya, McDonald, MFC dll)'],
            ['m3QID' => 'q34', 'text' => '4. Keadaan anak ketika ke majlis orang ramai.'],
        ],
    ],
    [
        'title' => '9: Lain-lain:',
        'questions' => [
            ['m3QID' => 'q35', 'text' => '1. Senarai makanan dan minuman yang anak ambil di rumah'],
            ['m3QID' => 'q36', 'text' => '2. Rutin waktu tidur dan waktu bangun'],
            ['m3QID' => 'q37', 'text' => '3. Lain-lain hal yang membimbangkan ibu bapa'],
        ],
    ],
];

// Pass the users data to a view
return view('manage-m3.m3-question', compact('childs', 'sections'));
}

public function store(Request $request)
{
    // Loop through the questions and store the answers
    for ($i = 1; $i <= 37; $i++) {
        $answer = $request->input('q' . $i);

        // File input
        if (in_array($i, [1, 2, 3])) {
            if ($request->hasFile('q' . $i)) {
                $file = $request->file('q' . $i);
                $filename = $request->file('q' . $i)->getClientOriginalName();
                // $extension = $request->file('q' . $i)->getMimeType();
                // $filename = time() . '.' . $extension;
                $file->move('files/', $filename);
                $answer = $filename;
            } else {
                $answer = null; // Store null if no file is uploaded
            }
        }

        // Checkbox input
        if (in_array($i, [26, 28])) {
            $checkboxAnswer = $request->input('q' . $i);
            if (is_array($checkboxAnswer)) {
                $answer = implode(',', $checkboxAnswer);
            }
        }

        // Create a new instance of the M3 model
        $m3s = new M3Record();

        // Assign values from the form inputs to the model attributes
        $m3s->m3QID = $i;
        $m3s->answer = $answer;
        $m3s->child_id = $request->input('child_id');

        // Save the model to the database
        $m3s->save();
        // dd($m3s);

        // Perform any additional actions or return a response as needed
        return redirect()->route('dashboard')->with('success', 'Successfully Submit');
    }
}

```

Figure 4.2.60: M3 Controller (store function)

This controller (Figure 4.2.59, Figure 4.2.60) is used to view and store M3 information.

```

class PaymentController extends Controller
{
    public function index()
    {
        $user = auth()->user();
        $parent = $user->parent;
        $childs = $parent->child;

        // Pass the users data to a view
        return view('manage-payment.payment', compact('childs'));
    }

    public function report()
    {
        if (Auth::user()->role === 'PARENT') {
            // $user = auth()->user();
            // $parent = $user->parent;
            // $childs = $parent->child;
            $parent = Auth::user()->parent;

            // $payments = PaymentRecord::where('child_id', $childs->child_id)->get();
            $childs = ChildRecord::whereHas('payment')
                ->with('payment')
                ->where('parent_id', $parent->id)->get();

            // Pass the users data to a view
            return view('manage-report.parent.payment', compact('childs'));
        }
        if (Auth::user()->role === 'STAFF') {
            $staffRecord = StaffRecord::where('user_id', Auth::user()->id)->first();
            if ($staffRecord && in_array($staffRecord->position, ['MANAGER', 'PRINCIPAL'])) {
                $payments = PaymentRecord::with('child')->get();

                // Pass the users data to a view
                return view('manage-report.staff.payment', compact('payments'));
            }
        }
        if (Auth::user()->role === 'ADMIN') {
            $payments = PaymentRecord::with('child')->get();

            return view('manage-report.admin.payment', compact('payments'));
        }
    }

    public function store(Request $request)
    {
        // Create a new instance of the appointment model
        $pay = new PaymentRecord();

        // Assign values from the form inputs to the model attributes
        $pay->fee_type = $request->fee;
        $pay->total_payment = $request->total;
        $pay->payment_type = $request->pay_type;
        $pay->bank_name = $request->bank_name;
        $pay->payment_remarks = $request->remarks;
        $pay->child_id = $request->input('child_id');
        // Save the model to the database
        $pay->save();

        return redirect()->route('dashboard')->with('success', 'Successfully Pay');
    }
}

```

Figure 4.2.61: Payment Controller (index, report, store function)

This controller (Figure 4.2.61) is used to view and store Payment information.

4.2.4.3 View

The View component of the MVC architecture in the Laravel project of Special Needs Children On-boarding Management system uses HTML, CSS, and JavaScript to retrieve and display data. It provides the GUI code required to show and interact with the system's various features.

```

<form method="POST" action="{ route('register') }">
    @csrf

    <div>
        <label for="name" value="{ __('Name') }" />
        <input id="name" oninput="validateInputStrings(this)" class="uppercase block mt-1 w-full" type="text" name="name" value="old('name')" required autofocus autocomplete="name" />
    </div>

    <div class="mt-4">
        <label for="email" value="{ __('Email') }" />
        <input id="email" class="block mt-1 w-full" type="email" name="email" value="old('email')" required autocomplete="username" />
    </div>

    <div class="mt-4">
        <label for="p_phone_num" value="{ __('Phone Number') }" />
        <input id="p_phone_num" class="block mt-1 w-full" oninput="validateInputParentPhone(this)" type="text" name="p_phone_num" value="old('p_phone_num')" required autofocus autocomplete="p_phone_num" />
    </div>

    <div class="mt-4">
        <label for="p_ic" value="{ __('IC Number') }" />
        <input id="p_ic" class="block mt-1 w-full" oninput="validateInputParentIC(this)" type="text" name="p_ic" value="old('p_ic')" required autofocus autocomplete="p_ic" />
    </div>

    <div class="mt-4">
        <label for="p_address" value="{ __('Home Address') }" />
        <textarea id="p_address" class="uppercase block mt-1 w-full border-gray-300 focus:border-indigo-500 focus:ring-indigo-500 rounded-md shadow-sm" rows="4" cols="50" type="text" name="p_address" value="old('p_address')" required autofocus autocomplete="p_address"></textarea>
    </div>

    <div class="mt-4">
        <label for="p_relation" value="{ __('Family Relation') }" />
        <select id="p_relation" class="block mt-1 w-full border-gray-300 focus:border-indigo-500 focus:ring-indigo-500 rounded-md shadow-sm" name="p_relation" required>
            <option selected=""></option>
            <option value="PARENT" #if (old('p_relation') == 'PARENT') selected @endif>Parent</option>
            <option value="GRANDPARENT" #if (old('p_relation') == 'GRANDPARENT') selected @endif>Grandparent</option>
            <option value="GUARDIAN" #if (old('p_relation') == 'GUARDIAN') selected @endif>Guardian</option>
        </select>
    </div>

    <div class="mt-4">
        <label for="password" value="{ __('Password') }" />
        <input id="password" class="block mt-1 w-full" type="password" name="password" required autocomplete="new-password" />
    </div>

    <div class="mt-4">
        <label for="password_confirmation" value="{ __('Confirm Password') }" />
        <input id="password_confirmation" class="block mt-1 w-full" type="password" name="password_confirmation" required autocomplete="new-password" />
    </div>
    </pre>

```

Figure 4.2.62: Registration blade

```

@if (Laravel\Jetstream\Jetstream::hasTermsAndPrivacyPolicyFeature())
    <div class="mt-4">
        <label for="terms">
            <div class="flex items-center">
                <input checked="" type="checkbox" id="terms" required />
            </div>
            <div class="mt-2">
                <div class="flex items-center justify-end mt-4">
                    <a href="{ route('login') }" class="underline text-sm text-gray-600 hover:text-gray-900 rounded-md focus:outline-none focus:ring-2 focus:ring-offset-2 focus:ring-indigo-500">
                        <span>{{ __('Already registered?') }}</span>
                    </a>
                </div>
                <button class="mt-4" type="button">
                    <span>{{ __('Register') }}</span>
                </button>
            </div>
        </div>
    </pre>

```

Figure 4.2.63: Registration blade (2)

```

@if (session('status'))
  <div class="no-# font-medium text-sm #text-green-600">
    {{ session('status') }}
  </div>
@endif

<form method="POST" action="{{ route('login') }}">
  @csrf

  <div>
    <label for="email" value="{{ __('Email') }}" />
    <input id="email" class="block w-100" type="email" name="email" value="{{ old('email') }}" required autofocus autocomplete="username" />
  </div>

  <div class="mt-4">
    <label for="password" value="{{ __('Password') }}" />
    <input id="password" class="block w-100" type="password" name="password" required autocomplete="current-password" />
  </div>

  <div class="block mt-4">
    <label for="remember_me" class="flex items-center">
      <input checked="" id="remember_me" name="remember" />
      <span class="ml-2 text-sm #text-gray-600">{{ __('Remember me') }}</span>
    </label>
  </div>

  <div class="flex items-center justify-end mt-4">
    <button type="submit" class="underline text-sm #text-gray-600 #hover:text-gray-900 rounded-md focus:outline-none focus:ring-2 focus:ring-offset-2 #focus:ring-indigo-500" href="{{ route('password.request') }}">
      {{ __('Forgot your password?') }}
    </button>
    <button class="ml-4">
      {{ __('Log in') }}
    </button>
  </div>

  <div class="text-center mt-4">
    <span class="#text-gray-500 font-on" >Don't have an account?</span>
    <a class="underline font-sm #text-gray-500 #hover:text-gray-900 rounded-md focus:outline-none focus:ring-2 focus:ring-offset-2 #focus:ring-indigo-500" href="{{ route('register') }}">
      {{ __('Sign up') }}
    </a>
  </div>
</form>

```

Figure 4.2.64: Login blade

```

<form method="POST" action="{{ route('user.add') }}">
  @csrf
  <div class="flex gap-4 justify-center">
    <div class="flex-auto w-1/2">
      <div class="mt-4">
        <x-label for="name" value="{{ __('Name') }}" />
        <x-input id="name" oninput="validateInputStrings(this)"
          class="uppercase block mt-1 w-full" type="text" name="name"
          :value="old('name')" required autofocus autocomplete="name" />
      </div>

      <div class="mt-4">
        <x-label for="ic" value="{{ __('IC Number') }}" />
        <x-input id="ic" oninput="validateInputIC(this)"
          class="block mt-1 w-full" type="text" name="ic"
          :value="old('ic')" required autofocus autocomplete="ic" />
      </div>

      <div class="mt-4">
        <x-label value="{{ __('Gender') }}" />
        <div class="pt-2">
          <input id="male" type="radio" name="gender" value="MALE"
            {{ old('gender') === 'MALE' ? 'checked' : '' }} required />
          <label class="pr-4" for="male"> Male </label>
          <input id="female" type="radio" name="gender" value="FEMALE"
            {{ old('gender') === 'FEMALE' ? 'checked' : '' }} required />
          <label class="pr-4" for="female"> Female </label>
        </div>
      </div>

      <div class="mt-4">
        <x-label for="email" value="{{ __('Email') }}" />
        <x-input id="email" class="block mt-1 w-full" type="email" name="email"
          :value="old('email')" required autocomplete="email" />
      </div>

      <div class="mt-4">
        <x-label for="password" value="{{ __('Password') }}" />
        <x-input id="password" class="block mt-1 w-full" type="password" name="password"
          required autocomplete="new-password" />
      </div>
    </div>

    <div class="flex-auto w-1/2">
      <div class="mt-4">
        <x-label for="phone_num" value="{{ __('Phone Number') }}" />
        <x-input id="phone_num" oninput="validateInputPhone(this)" class="block mt-1 w-full"
          type="text" name="phone_num" :value="old('phone_num')" required autofocus
          autocomplete="phone_num" />
      </div>

      <div class="mt-4">
        <x-label for="address" value="{{ __('Home Address') }}" />
        <textarea id="address"
          class="uppercase block mt-1 w-full border-gray-300 focus:ring-indigo-500 focus:ring-indigo-500 rounded-md shadow-sm"
          rows="4" cols="50" type="text" name="address" :value="old('address')" required autofocus
          autocomplete="address"></textarea>
      </div>
    </div>
  </div>

```

Figure 4.2.65: Add User blade


```

@foreach ($users as $user)
  <form method="POST" action="{ route('user.update', ['id' => $user->id]) }">
    @csrf
    <div class="flex gap-4 justify-center">
      <div class="flex-auto w-1/2">
        <div class="mt-4">
          <x-label for="name" value="{ __('Name') }" />
          <x-input id="name" oninput="validateInputStrings(this)"
            class="uppercase block mt-1 w-full" type="text" name="name"
            value="{ $user->name }" autofocus autocomplete="name" />
        </div>
        <div class="mt-4">
          <x-label for="ic" value="{ __('IC Number') }" />
          <x-input id="ic" oninput="validateInputIC(this)" class="block mt-1 w-full"
            type="text" name="ic"
            value="{ $user->staff->ic ?? $user->parent->p_ic }" autofocus
            autocomplete="ic" />
        </div>
        @if ($user->role === 'STAFF')
          <div class="mt-4">
            <x-label value="{ __('Gender') }" />
            <div class="pt-2">
              <input id="male" type="radio" name="gender" value="MALE"
                {{ $user->staff->gender === 'MALE' ? 'checked' : '' }}
                @if (old('gender') == 'MALE') checked @endif />
              <label class="pr-4" for="male"> Male </label>
              <input id="female" type="radio" name="gender" value="FEMALE"
                {{ $user->staff->gender === 'FEMALE' ? 'checked' : '' }}
                @if (old('gender') == 'FEMALE') checked @endif />
              <label class="pr-4" for="female"> Female </label>
            </div>
          </div>
        @endif
        @if ($user->role === 'PARENT')
          <div class="mt-4">
            <x-label for="p_relation" value="{ __('Family Relation') }" />
            <select id="p_relation"
              class="block mt-1 w-full border-gray-300 focus:border-indigo-500 focus:ring-indigo-500 rounded-md shadow-sm"
              name="p_relation" required>
              <option value="MOTHER">
                {{ $user->parent->p_relation == 'MOTHER' ? 'selected' : '' }}
                @if (old('p_relation') == 'MOTHER') selected @endif-Mother</option>
              <option value="FATHER">
                {{ $user->parent->p_relation == 'FATHER' ? 'selected' : '' }}
                @if (old('p_relation') == 'FATHER') selected @endif-Father</option>
              <option value="GRANDPARENT">
                {{ $user->parent->p_relation == 'GRANDPARENT' ? 'selected' : '' }}
                @if (old('p_relation') == 'GRANDPARENT') selected @endif-Grandparent
              </option>
              <option value="GUARDIAN">
                {{ $user->parent->p_relation == 'GUARDIAN' ? 'selected' : '' }}
                @if (old('p_relation') == 'GUARDIAN') selected @endif-Guardian</option>
            </select>
          </div>
        @endif
      </div>
    </div>
  </form>

```

Figure 4.2.66: Edit User blade

```

<X-slot name="description">
    {{ __( 'Update your account\'s profile information and email address.' ) }}
</X-slot>

<X-slot name="form">

    <!-- Name -->
    <div class="col-span-6 sm:col-span-4">
        <input type="text" value="{{ __( 'Name' ) }}" />
        <input id="name" type="text" class="uppercase mt-1 block w-full" wire:model.defer="state.name"
            autocomplete="name" oninput="validateInputStrings(this)" />
        <input-error for="name" class="mt-2" />
    </div>

    <!-- Email -->
    <div class="col-span-6 sm:col-span-4">
        <input type="email" value="{{ __( 'Email' ) }}" />
        <input id="email" type="email" class="mt-1 block w-full" wire:model.defer="state.email"
            autocomplete="username" />
        <input-error for="email" class="mt-2" />

        @if (Laravel\Fortify\Features::enabled(Laravel\Fortify\Features::emailVerification()) &&
            !$this->user->hasVerifiedEmail())
            <p class="text-sm mt-2">
                {{ __( 'Your email address is unverified.' ) }}

                <button type="button"
                    class="underline text-sm text-gray-600 hover:text-gray-900 rounded-md focus:outline-none focus:ring-2 focus:ring-offset-2 focus:ring-indigo-500"
                    wire:click.prevent="sendEmailVerification">
                    {{ __( 'Click here to re-send the verification email.' ) }}
                </button>
            </p>

            @if ($this->verificationLinkSent)
                <p v-show="verificationLinkSent" class="mt-2 font-medium text-sm text-green-600">
                    {{ __( 'A new verification link has been sent to your email address.' ) }}
                </p>
            @endif
        @endif
    </div>
</X-slot>

<X-slot name="actions">
    <action-message class="m-3" on="saved">
        {{ __( 'Saved.' ) }}
    </action-message>

    <button wire:loading.attr="disabled" wire:target="photo">
        {{ __( 'Save' ) }}
    </button>
</X-slot>

```

Figure 4.2.67: Manage User Account blade

```

<form method="POST" action="{ route('profile.update', ['id' => Auth::user()->id] ) }">
  @csrf
  <div class="px-4 py-5 bg-white sm:px-6 shadow sm:rounded-tl-md sm:rounded-tr-md">
    <div class="grid grid-cols-6 gap-6">
      @if (Auth::user()->role == 'PARENT')
        <div class="col-span-6 sm:col-span-4">
          <label for="p_phone_num" value="{ { __( 'Phone Number' ) } }" />
          <input oninput="validateInputParentPhone(this)" id="p_phone_num"
            class="block mt-1 w-full" type="text" name="p_phone_num"
            value="{ { old('p_phone_num', Auth::user()->parent->p_phone_num) } }"
            required autofocus autocomplete="p_phone_num" />
        </div>

        <div class="col-span-6 sm:col-span-4">
          <label for="p_ic" value="{ { __( 'IC Number' ) } }" />
          <input oninput="validateInputParentIC(this)" id="p_ic" class="block mt-1 w-full"
            type="text" name="p_ic"
            value="{ { old('p_ic', Auth::user()->parent->p_ic) } }" required autofocus
            autocomplete="p_ic" />
        </div>

        <div class="col-span-6 sm:col-span-4">
          <label for="p_address" value="{ { __( 'Home Address' ) } }" />
          <textarea id="p_address"
            class="uppercase block mt-1 w-full border-gray-300 focus:border-indigo-500 focus:ring-indigo-500 rounded-md shadow-sm"
            rows="4" cols="50" type="text" name="p_address" required autofocus autocomplete="p_address">{ { old('p_address', Auth::user()->parent->p_address) } }</textarea>
        </div>

        <div class="col-span-6 sm:col-span-4">
          <label for="p_relation" value="{ { __( 'Family Relation' ) } }" />
          <select id="p_relation"
            class="block mt-1 w-full border-gray-300 focus:border-indigo-500 focus:ring-indigo-500 rounded-md shadow-sm"
            name="p_relation" required>
            <option value="MOTHER"
              @if (old('p_relation', Auth::user()->parent->p_relation) == 'MOTHER') selected @endif>Mother</option>
            <option value="FATHER"
              @if (old('p_relation', Auth::user()->parent->p_relation) == 'FATHER') selected @endif>Father</option>
            <option value="GRANDPARENT"
              @if (old('p_relation', Auth::user()->parent->p_relation) == 'GRANDPARENT') selected @endif>
              Grandparent</option>
            <option value="GUARDIAN"
              @if (old('p_relation', Auth::user()->parent->p_relation) == 'GUARDIAN') selected @endif>Guardian
            </option>
          </select>
        </div>
      @endif
    </div>
  </div>

```

Figure 4.2.68: Manage User Profile blade

```

@if (Auth::user()->role == 'STAFF')
  <div class="col-span-6 sm:col-span-4">
    <label for="phone_num" value="{ { __( 'Phone Number' ) } }" />
    <input oninput="validateInputPhone(this)" id="phone_num" class="block mt-1 w-full"
      type="text" name="phone_num"
      value="{ { old('phone_num', Auth::user()->staff->phone_num) } }"
      autoFocus autocomplete="phone_num" />
  </div>

  <div class="col-span-6 sm:col-span-4">
    <label for="ic" value="{ { __( 'IC Number' ) } }" />
    <input oninput="validateInputIC(this)" id="ic" class="block mt-1 w-full"
      type="text" name="ic"
      value="{ { old('ic', Auth::user()->staff->ic) } }" autoFocus
      autocomplete="ic" />
  </div>

  <div class="col-span-6 sm:col-span-4">
    <label for="address" value="{ { __( 'Home Address' ) } }" />
    <textarea id="address"
      class="uppercase block mt-1 w-full border-gray-300 focus:border-indigo-500 focus:ring-indigo-500 rounded-md shadow-sm"
      rows="4" cols="50" type="text" name="address" required autofocus autocomplete="address">{ { old('address', Auth::user()->staff->address) } }</textarea>
  </div>

  <div class="col-span-6 sm:col-span-4">
    <label value="{ { __( 'Gender' ) } }" />
    <div class="pt-2">
      <input id="male" type="radio" name="gender" value="MALE"
        @if (old('gender', Auth::user()->staff->gender) == 'MALE') checked @endif />
      <label class="pr-4" for="male">Male </label>
      <input id="female" type="radio" name="gender" value="FEMALE"
        @if (old('gender', Auth::user()->staff->gender) == 'FEMALE') checked @endif />
      <label class="pr-4" for="female">Female </label>
    </div>
  </div>

  <div class="col-span-6 sm:col-span-4">
    <label for="qualification" value="{ { __( 'Qualification' ) } }" />
    <input id="qualification" oninput="validateInputStrings(this)"
      class="uppercase block mt-1 w-full" type="text"
      name="qualification"
      value="{ { old('qualification', Auth::user()->staff->qualification) } }"
      autoFocus autocomplete="qualification" />
  </div>

```

Figure 4.2.69: Manage User Profile blade (2)

```

<div class="col-span-6 sm:col-span-4">
  <x-label for="position" value="{{ __('Position') }}" />
  <select id="position"
    class="block mt-1 w-full border-gray-300 focus:border-indigo-500 focus:ring-indigo-500 rounded-md shadow-sm"
    name="position">
    <option value="OCCUPATIONAL THERAPY"
      @if (old('position', Auth::user()->staff->position) == 'OCCUPATIONAL THERAPY') selected @endif>
      OCCUPATIONAL THERAPY
    </option>
    <option value="CONSULTANT"
      @if (old('position', Auth::user()->staff->position) == 'CONSULTANT') selected @endif>CONSULTANT
    </option>
    <option value="MANAGER"
      @if (old('position', Auth::user()->staff->position) == 'MANAGER') selected @endif>
      MANAGER</option>
    <option value="PRINCIPAL"
      @if (old('position', Auth::user()->staff->position) == 'PRINCIPAL') selected @endif>
      PRINCIPAL</option>
  </select>
</div>
@endif
</div>
</div>
{{-- Button --}}
<div
  class="flex items-center justify-end px-4 py-3 bg-gray-50 text-right sm:px-6 shadow sm:rounded-bl-md sm:rounded-br-md">
  <button type="submit" onclick="return showConfirmation('Are you sure you want to edit this data?')"
    class="inline-flex items-center px-4 py-2 bg-gray-800 border border-transparent rounded-md
    font-semibold text-xs text-white uppercase tracking-widest hover:bg-gray-700 focus:bg-gray-700 active:bg-gray-900
    focus:outline-none focus:ring-2 focus:ring-indigo-500 focus:ring-offset-2 transition ease-in-out duration-150">
    Save
  </button>
</div>
</form>

```

Figure 4.2.70: Manage User Profile blade (3)

```

<div class="py-12">
  <div class="max-w-7xl mx-auto sm:px-6 lg:px-8">
    <form method="POST" action="{{ route('ml.store') }}" enctype="multipart/form-data">
      @csrf
      <div class="flex gap-4 justify-center">
        <div class="flex-auto w-1/2">
          <x-label for="ch_name" value="{{ __('Child Name') }}" />
          <select id="child_id" name="child_id"
            class="block mt-1 w-full border-gray-300 focus:border-indigo-500 focus:ring-indigo-500 rounded-md shadow-sm"
            required>
            @foreach ($childs as $child)
              <option class="block mt-1 w-full" value="{{ $child->id }}"
                data-child-id="{{ $child->id }}">{{ $child->ch_name }}</option>
            @endforeach
          </select>

          <div class="mt-4">
            <x-label for="q1"
              value="{{ __('1. Apa yang ibu/bapa paling bimbang tentang anak?') }}" />
            <x-input id="q1" class="block mt-1 w-full" type="text" name="q1"
              :value="old('q1')" required autofocus autocomplete="q1" />
            <input id="psQID" name="psQID" type="text" value="q1" hidden />
          </div>

          <div class="mt-4">
            <x-label value="{{ __('2. Dah pernah bawa anak jumpa doktor/terapis?') }}" />
            <div class="pt-2">
              <input id="Ya" type="radio" name="q2" value="Ya"
                {{ old('q2') === 'Ya' ? 'checked' : '' }} required />
              <label class="pr-4" for="Ya"> Ya </label>
              <input id="Tidak" type="radio" name="q2" value="Tidak"
                {{ old('q2') === 'Tidak' ? 'checked' : '' }} required />
              <label class="pr-4" for="Tidak"> Tidak </label>
            </div>
            <input id="psQID" name="psQID" type="text" value="q2" hidden />
          </div>

          <div class="mt-4">
            <x-label for="q3" value="{{ __('3. Ada diagnos daripada doktor/terapis?') }}" />
            <x-input id="q3" class="block mt-1 w-full" type="text" name="q3"
              :value="old('q3')" required autofocus autocomplete="q3" />
            <input id="psQID" name="psQID" type="text" value="q3" hidden />
          </div>
        </div>
      </div>
    </form>
  </div>
</div>

```

Figure 4.2.71: Manage Pre-screening (M1) blade

```

<div class="mt-4">
  <x-label for="q10"
    value="{{ __( '10. Apa yang anak sudah mampu lakukan? (Kekuatan anak)' ) }}" />
  <x-input id="q10" class="block mt-1 w-full" type="text" name="q10"
    :value="old('q10')" required autofocus autocomplete="q10" />
  <input id="psQID" name="psQID" type="text" value="q10" hidden />
</div>

<div class="mt-4">
  <x-label for="q11" value="{{ __( '11. Darimana ibu-bapa tahu mengenai kami? ' ) }}" />
  <input id="social_media" type="checkbox" name="q11[]" value="Social Media">
  <label class="pr-4" for="Social_Media"> Social Media </label>

  <input id="ahli_keluarga" type="checkbox" name="q11[]"
    value="Ahli Keluarga/Rakan-rakan">
  <label class="pr-4" for="Ahli_Keluarga_Rakan_rakan"> Ahli Keluarga/Rakan-rakan </label>

  <input id="papan_iklan" type="checkbox" name="q11[]" value="Papan Iklan">
  <label class="pr-4" for="Papan_Iklan"> Papan Iklan </label>

  <input id="lain_lain" type="checkbox" name="q11[]" value="Lain-lain">
  <label class="pr-4" for="Lain_lain"> Lain-lain </label>
  <input id="psQID" name="psQID" type="text" value="q11" hidden />
</div>

<br>

<div class="mt-4">
  <input id="q12" type="checkbox" name="q12" value="" required>
  <label class="pr-4" for="q12"> I acknowledge that all my answers are accurate, and
    all information provided is private and confidential. </label>
</div>

</div>

<div class="flex items-center justify-end mt-5">
  <x-button class=""
    {{ __( 'Submit' ) }}
  </x-button>
</div>

</form>
</div>
</div>
<script>
  showAlert('{{ session('success') }}');
</script>
<endif
</x-app-layout>

```

Figure 4.2.72: Manage Pre-screening (M1) blade (2)

```

<div class="max-w-6xl mx-auto py-10 sm:px-6 lg:px-8">
  {{-- Content --}}
  <table class="min-w-full divide-y ■ divide-gray-200 w-full border">
    <tr>
      <th
        class="border px-6 py-3 ■ bg-gray-900 text-center text-xs font-medium ■ text-white uppercase tracking-wider">
        IC</th>
      <td class="border px-6 py-4 whitespace-nowrap text-sm ■ bg-gray-50 ■ text-gray-900">
        {{ $childs->ch_ic }}</td>
      <th
        class="border px-6 py-3 ■ bg-gray-900 text-center text-xs font-medium ■ text-white uppercase tracking-wider">
        Child Name</th>
      <td class="border px-6 py-4 whitespace-nowrap text-sm ■ bg-gray-50 ■ text-gray-900">
        {{ $childs->ch_name }}</td>
    </tr>
    <tr>
      <th
        class="border px-6 py-3 ■ bg-gray-900 text-center text-xs font-medium ■ text-white uppercase tracking-wider">
        Date of Birth</th>
      <td class="border px-6 py-4 whitespace-nowrap text-sm ■ bg-gray-50 ■ text-gray-900">
        {{ $childs->ch_dob }}</td>
      <th
        class="border px-6 py-3 ■ bg-gray-900 text-center text-xs font-medium ■ text-white uppercase tracking-wider">
        Gender</th>
      <td class="border px-6 py-4 whitespace-nowrap text-sm ■ bg-gray-50 ■ text-gray-900">
        {{ $childs->ch_gender }}</td>
    </tr>
    <tr>
      <th
        class="border px-6 py-3 ■ bg-gray-900 text-center text-xs font-medium ■ text-white uppercase tracking-wider">
        LOE Programme</th>
      <td colspan=3 class="border px-6 py-4 whitespace-nowrap text-sm ■ bg-gray-50 ■ text-gray-900">
        {{ $childs->loe_programme ?? '-' }}</td>
    </tr>
  </table>
  <br>
  <div class="flex gap-4 justify-center">
    <div class="flex-auto w-1/2">
      @foreach ($m1s as $m1)
        <div class="mt-4">
          <x-label for="q{{ $m1->psQID }}" value="{{ __( $questions[$m1->psQID] ) }}" />
          <x-input id="q{{ $m1->psQID }}" class="block mt-1 w-full" type="text"
            name="q{{ $m1->psQID }}" value="{{ $m1->answer }}" disabled />
        </div>
      @endforeach
    </div>
  </div>

```

Figure 4.2.73: Manage Pre-screening (M1) (Update LOE Programme) blade


```

<form method="POST" action="{{ route('child.loe.update', ['id' => $childs->id]) }}">
  @csrf
  <div class="mt-4">
    <x-label for="loe" value="{{ __('LOE Programme') }}" />
    <select id="loe"
      class="block mt-1 w-full border-gray-300 focus:border-indigo-500 focus:ring-indigo-500 rounded-md shadow-sm"
      name="loe" required>
      <option selected--Select--</option>
      <option value="INCLUSIVE" @if ($childs->loe_programme == 'INCLUSIVE') selected @endif>
        INCLUSIVE
      </option>
      <option value="INTENSIVE" @if ($childs->loe_programme == 'INTENSIVE') selected @endif>
        INTENSIVE
      </option>
    </select>
  </div>
  <div class="flex items-center justify-end mt-5">
    <x-button class="**"
      onclick="return showConfirmation('Are you sure you want to update this data?')"
      {{ __('Update') }}">
    </x-button>
  </div>
</form>
</div>
</div>
</main>
</div>
@if (session('success'))
  <script>
    showAlert('{{ session('success') }}');
  </script>
@endif
</x-app-layout>

```

Figure 4.2.74: Manage Pre-screening (M1) (Update LOE Programme) blade (2)


```

<a href="{{ route('parent.appointment.add') }}"
class="px-4 py-1 bg-gray-800 border border-transparent rounded-md font-sembold
text-xs text-white uppercase tracking-widest hover:bg-gray-700 focus:bg-gray-900
focus:outline-none focus:ring-2 focus:ring-indigo-500 focus:ring-offset-2 transition ease-in-out duration-150">
Book Appointment</a>
</div>
<table class="min-w-full divide-y divide-gray-200 w-full">
<thead>
<tr>
<th scope="col"
class="px-6 py-3 bg-gray-50 text-center text-xs font-medium text-gray-500 uppercase tracking-wider">
Child Name
</th>
<th scope="col"
class="px-6 py-3 bg-gray-50 text-center text-xs font-medium text-gray-500 uppercase tracking-wider">
Type
</th>
<th scope="col"
class="px-6 py-3 bg-gray-50 text-center text-xs font-medium text-gray-500 uppercase tracking-wider">
Date
</th>
<th scope="col"
class="px-6 py-3 bg-gray-50 text-center text-xs font-medium text-gray-500 uppercase tracking-wider">
Time
</th>
<th scope="col"
class="px-6 py-3 bg-gray-50 text-center text-xs font-medium text-gray-500 uppercase tracking-wider">
PIC
</th>
<th scope="col"
class="px-6 py-3 bg-gray-50 text-center text-xs font-medium text-gray-500 uppercase tracking-wider">
Action
</th>
</tr>
</thead>
<tbody class="bg-white divide-y divide-gray-200">
@if ($appointments->count() == 0)
<tr>
<td colspan="6" class="px-6 py-4 whitespace-nowrap text-sm text-gray-900">
No data recorded.
</td>
</tr>
@else
@foreach ($appointments as $appointment)
<tr>
<td class="px-6 py-4 whitespace-nowrap text-center text-sm text-gray-900">
{{ $appointment->child->ch_name }}
</td>
<td class="px-6 py-4 whitespace-nowrap text-center text-sm text-gray-900">
{{ $appointment->appointment_type }}
</td>
<td class="px-6 py-4 whitespace-nowrap text-center text-sm text-gray-900">
{{ $appointment->appointment_date }}
</td>
<td class="px-6 py-4 whitespace-nowrap text-center text-sm text-gray-900">
{{ $appointment->appointment_time }}
</td>
<td class="px-6 py-4 whitespace-nowrap text-center text-sm text-gray-900">
{{ $appointment->staff->users->name ?? '-' }} <br> {{ $appointment->staff->position ?? '-' }}
</td>
<td class="text-center px-6 py-4 whitespace-nowrap text-sm font-medium">
<a onclick="return showConfirmation('Are you sure you want to delete this data?')"
href="{{ route('destroy-appointment', ['id' => $appointment->id]) }}" class="text-red-600 hover:text-red-900 mb-2 mr-2">Cancel Book</a>
</td>
</tr>
</tbody>

```

Figure 4.2.75: Manage Appointment blade

```

<form method="POST" action="{{ route('parent.appointment.store') }}">
  @csrf
  <div class="flex gap-4 justify-center">
    <div class="flex-auto w-1/2">
      <br>
      <x-label for="ch_name" value="{{ __('Child Name') }}" />
      <select id="child_id" name="child_id"
        class="block mt-1 w-full border-gray-300 focus:border-indigo-500 focus:ring-indigo-500 rounded-md shadow-sm"
        required>
        @foreach ($childs as $child)
          <option class="block mt-1 w-full" value="{{ $child->id }}"
            data-child-id="{{ $child->id }}">{{ $child->ch_name }}</option>
        @endforeach
      </select>

      <div class="mt-4">
        <x-label for="type" value="{{ __('Type') }}" />
        <select id="type"
          class="block mt-1 w-full border-gray-300 focus:border-indigo-500 focus:ring-indigo-500 rounded-md shadow-sm"
          name="type" required>
          <option selected>--Select--</option>
          <option value="PERJUMPAAN PERTAMA (P1)"
            @if (old('type') == 'PERJUMPAAN PERTAMA (P1)') selected @endif>PERJUMPAAN PERTAMA (P1)
          </option>
          <option value="PERJUMPAAN KEDUA (P2)"
            @if (old('type') == 'PERJUMPAAN KEDUA (P2)') selected @endif>PERJUMPAAN KEDUA (P2)</option>
        </select>
      </div>

      <div class="mt-4">
        <x-label for="date" value="{{ __('Date') }}" />
        <x-input id="date" class="block mt-1 w-full" type="date" name="date"
          :value="old('date')" required autofocus autocomplete="date" />
      </div>

      <div class="mt-4">
        <x-label for="time" value="{{ __('Time') }}" />
        <select id="time"
          class="block mt-1 w-full border-gray-300 focus:border-indigo-500 focus:ring-indigo-500 rounded-md shadow-sm"
          name="time" required>
          <option selected>--Select--</option>
          <option value="08:30 AM" @if (old('time') == '08:30 AM') selected @endif>08:30 AM
          </option>
          <option value="09:00 AM" @if (old('time') == '09:00 AM') selected @endif>09:00 AM
          </option>
          <option value="09:30 AM" @if (old('time') == '09:30 AM') selected @endif>09:30 AM
          </option>
          <option value="10:00 AM" @if (old('time') == '10:00 AM') selected @endif>10:00 AM
          </option>
          <option value="10:30 AM" @if (old('time') == '10:30 AM') selected @endif>10:30 AM
          </option>
          <option value="11:00 AM" @if (old('time') == '11:00 AM') selected @endif>11:00 AM
          </option>
          <option value="02:30 PM" @if (old('time') == '02:30 PM') selected @endif>02:30 PM
          </option>
          <option value="03:00 PM" @if (old('time') == '03:00 PM') selected @endif>03:00 PM
          </option>
          <option value="03:30 PM" @if (old('time') == '03:30 PM') selected @endif>03:30
            PM</option>
          <option value="04:00 PM" @if (old('time') == '04:00 PM') selected @endif>04:00
            PM</option>
        </select>
      </div>
    </div>
  </div>

```

Figure 4.2.76: Add Appointment blade

```

<form method="POST" action="{{ route('update.pic', ['id' => $appointment->id]) }}">
  @csrf
  <div class="flex gap-4 justify-center">
    <div class="flex-auto w-1/2">
      <br>
      <div class="mt-4">
        <x-label for="type" value="{{ __('Type') }}" />
        <x-input id="type" class="block mt-1 w-full" type="text" name="type"
          value="{{ $appointment->appntmnt_type }}" disabled />
      </div>

      <div class="mt-4">
        <x-label for="date" value="{{ __('Date') }}" />
        <x-input id="date" class="block mt-1 w-full" type="text" name="date"
          value="{{ $appointment->appntmnt_date }}" disabled />
      </div>

      <div class="mt-4">
        <x-label for="time" value="{{ __('Time') }}" />
        <x-input id="time" class="block mt-1 w-full" type="text" name="time"
          value="{{ $appointment->appntmnt_time }}" disabled />
      </div>

      <div class="mt-4">
        <x-label for="pic" value="{{ __('Person in Charge') }}" />
        <select id="pic"
          class="block mt-1 w-full border-gray-300 focus:border-indigo-500 focus:ring-indigo-500 rounded-md shadow-sm"
          name="pic" required>

          <option selected>--Select--</option>
          @foreach ($staffs as $staff)
            <option value="{{ $staff->id }}" @if ($selectedStaff && $selectedStaff->id == $staff->id) selected @endif>
              {{ $staff->users->name }} ({{ $staff->position }})</option>
          @endforeach
        </select>
      </div>
    </div>

    <div class="flex items-center justify-end mt-5">
      <x-button class=""
        onclick="return showConfirmation('Are you sure you want to update this data?')">
        {{ __('Update') }}
      </x-button>
    </div>
  </div>
</form>

```

Figure 4.2.77: Assign PIC for Appointment blade

```

<form method="POST" action="{{ route('m3.store') }}" enctype="multipart/form-data">
  @csrf
  <div class="flex gap-4 justify-center">
    <div class="flex-auto w-1/2">
      <x-label for="ch_name" value="{{ __('Child Name') }}" />
      <select id="child_id" name="child_id"
        class="block mt-1 w-full border-gray-300 focus:border-indigo-500 focus:ring-indigo-500 rounded-md shadow-sm"
        required>
        @foreach ($childs as $child)
          <option class="block mt-1 w-full" value="{{ $child->id }}"
            data-child-id="{{ $child->id }}">{{ $child->xch_name }}</option>
        @endforeach
      </select>
      <br>

      @foreach ($sections as $section)
        <div class="mt-4">
          <h4 class="font-semibold text-lg text-gray-800 leading-tight">{{ $section['title'] }}
          </h4>
          <br>
          @foreach ($section['questions'] as $question)
            <div class="question">
              <x-label for="question_{{ $question['m3QID'] }}" /> {{ $question['text'] }}
              <br>
              @if (in_array($question['m3QID'], ['q1']))
                <!-- File input -->
                <input type="file" class="block mt-1 w-full"
                  id="question_{{ $question['m3QID'] }}" name="{{ $question['m3QID'] }}"
                  required />
              @elseif (in_array($question['m3QID'], ['q2', 'q3']))
                <!-- File input -->
                <input type="file" class="block mt-1 w-full"
                  id="question_{{ $question['m3QID'] }}"
                  name="{{ $question['m3QID'] }}" />
              @elseif (in_array($question['m3QID'], ['q8', 'q10', 'q27', 'q28', 'q30']))
                <!-- Radio button input -->
                @foreach ($question['options'] as $option)
                  <div class="pt-4 inline">
                    <input type="radio" id="question_{{ $question['m3QID'] }}"
                      name="{{ $question['m3QID'] }}" value="{{ $option }}"
                      required />
                    <label class="pr-4"
                      for="question_{{ $question['m3QID'] }}">{{ $option }}</label>
                  </div>
                @endforeach
              @elseif (in_array($question['m3QID'], ['q9', 'q15']))
                <!-- Dropdown menu -->
                <select
                  class="block mt-1 w-full border-gray-300 focus:border-indigo-500 focus:ring-indigo-500 rounded-md shadow-sm"
                  id="question_{{ $question['m3QID'] }}" name="{{ $question['m3QID'] }}"
                  required>
                  @foreach ($question['options'] as $option)
                    <option value="{{ $option }}">{{ $option }}</option>
                  @endforeach
                </select>
              @elseif (in_array($question['m3QID'], ['q26', 'q29']))
                <!-- Checkbox input -->
                @foreach ($question['options'] as $option)
                  <div class="pt-4 inline">
                    <input type="checkbox"
                      id="question_{{ $question['m3QID'] }}_{{ $loop->index }}"
                      name="{{ $question['m3QID'] }}[{{ $loop->index }}"
                      value="{{ $option }}" />
                    <label class="pr-4"
                      for="question_{{ $question['m3QID'] }}_{{ $loop->index }}">{{ $option }}</label>
                  </div>
                @endforeach
            </div>
          @endforeach
        </div>
      @endforeach
    </div>
  </div>

```

Figure 4.2.78: Manage Parent Initial Info (M3)


```

<form method="POST" action="{{ route('payment.store') }}">
  @csrf
  <div class="flex gap-4 justify-center">
    <div class="flex-auto w-1/2">
      <br>
      <x-label for="ch_name" value="{{ __('Child Name') }}" />
      <select id="child_id" name="child_id"
        class="block mt-1 w-full border-gray-300 focus:border-indigo-500 focus:ring-indigo-500 rounded-md shadow-sm"
        required>
        @foreach ($childs as $child)
          <option class="block mt-1 w-full" value="{{ $child->id }}"
            data-child-id="{{ $child->id }}">{{ $child->ch_name }}</option>
        @endforeach
      </select>

      <div class="mt-4">
        <x-label for="fee" value="{{ __('Fee Type') }}" />
        <select id="fee" onchange="updateTotalPayment()"
          class="block mt-1 w-full border-gray-300 focus:border-indigo-500 focus:ring-indigo-500 rounded-md shadow-sm"
          name="fee" required>
          <option selected--Select--></option>
          <option value="PROGRAM PEMERHATIAN SEBULAN (PPS)"
            @if (old('fee') == 'PROGRAM PEMERHATIAN SEBULAN (PPS)') selected @endif>PROGRAM PEMERHATIAN SEBULAN (PPS)
          </option>
          <option value="YURAN"
            @if (old('fee') == 'YURAN') selected @endif>YURAN</option>
        </select>
      </div>

      <div class="mt-4">
        <x-label for="total" value="{{ __('Total Payment') }}" />
        <x-input id="total" class="block mt-1 w-full" type="text" name="total" :value="old('total')" readonly
          required />
      </div>

      <div class="mt-4">
        <x-label for="pay_type" value="{{ __('Payment Type') }}" />
        <select id="pay_type"
          class="block mt-1 w-full border-gray-300 focus:border-indigo-500 focus:ring-indigo-500 rounded-md shadow-sm"
          name="pay_type" required>
          <option selected--Select--></option>
          <option value="CREDIT/DEBIT CARD"
            @if (old('pay_type') == 'CREDIT/DEBIT CARD') selected @endif>CREDIT/DEBIT CARD
          </option>
          <option value="ONLINE BANK-IN"
            @if (old('pay_type') == 'ONLINE BANK-IN') selected @endif>ONLINE BANK-IN</option>
        </select>
      </div>

      <div class="mt-4">
        <x-label for="bank_name" value="{{ __('Bank Name') }}" />
        <select id="bank_name"
          class="block mt-1 w-full border-gray-300 focus:border-indigo-500 focus:ring-indigo-500 rounded-md shadow-sm"
          name="bank_name" required>
          <option selected--Select--></option>
          <option value="BIMB" @if (old('bank_name') == 'BIMB') selected @endif>BIMB
          </option>
          <option value="MAYBANK" @if (old('bank_name') == 'MAYBANK') selected @endif>MAYBANK
          </option>
          <option value="RHB" @if (old('bank_name') == 'RHB') selected @endif>RHB
          </option>
          <option value="CIMB" @if (old('bank_name') == 'CIMB') selected @endif>CIMB
          </option>
          <option value="BSN" @if (old('bank_name') == 'BSN') selected @endif>BSN
        </select>
      </div>
    </div>
  </div>
</form>

```

Figure 4.2.79: Manage Payment

```

<h3>Report: M1 Details</h3>
<div class="max-w-6xl mx-auto py-10 sm:px-6 lg:px-8">
  {{-- Content --}}
  <table class="min-w-full divide-y divide-gray-200 w-full border">
    <tr>
      <th class="border px-6 py-3 bg-gray-900 text-center text-xs font-medium text-white uppercase tracking-wider">
        IC</th>
      <td class="border px-6 py-4 whitespace-nowrap text-sm bg-gray-50 text-gray-900">
        {{ $childs->ch_ic }}</td>
    </tr>
    <tr>
      <th class="border px-6 py-3 bg-gray-900 text-center text-xs font-medium text-white uppercase tracking-wider">
        Child Name</th>
      <td class="border px-6 py-4 whitespace-nowrap text-sm bg-gray-50 text-gray-900">
        {{ $childs->ch_name }}</td>
    </tr>
    <tr>
      <th class="border px-6 py-3 bg-gray-900 text-center text-xs font-medium text-white uppercase tracking-wider">
        Date of Birth</th>
      <td class="border px-6 py-4 whitespace-nowrap text-sm bg-gray-50 text-gray-900">
        {{ $childs->ch_dob }}</td>
    </tr>
    <tr>
      <th class="border px-6 py-3 bg-gray-900 text-center text-xs font-medium text-white uppercase tracking-wider">
        Gender</th>
      <td class="border px-6 py-4 whitespace-nowrap text-sm bg-gray-50 text-gray-900">
        {{ $childs->ch_gender }}</td>
    </tr>
    <tr>
      <th class="border px-6 py-3 bg-gray-900 text-center text-xs font-medium text-white uppercase tracking-wider">
        LOE Programme</th>
      <td colspan="3" class="border px-6 py-4 whitespace-nowrap text-sm bg-gray-50 text-gray-900">
        {{ $childs->loe_programme ?? '-' }}</td>
    </tr>
  </table>
  <br>
  <div class="flex gap-4 justify-center">
    <div class="flex-auto w-1/2">
      @foreach ($m1s as $m1)
        <div class="mt-4">
          <x-label for="q{{ $m1->psQID }}" value="{{ __('questions[{{ $m1->psQID }}]')}}" />
          <x-input id="q{{ $m1->psQID }}" class="block mt-1 w-full" type="text"
            name="q{{ $m1->psQID }}" value="{{ $m1->answer }}" disabled />
        </div>
      @endforeach
      <div class="flex items-center justify-end mt-5">
        <a href="{{ route('child.list') }}"
          class="px-4 py-2 bg-gray-800 border border-transparent rounded-md font-semibold text-xs text-white uppercase
            tracking-widest hover:bg-gray-700 focus:bg-gray-700 active:bg-gray-900 focus:outline-none focus:ring-2
            focus:ring-indigo-500 focus:ring-offset-2 transition ease-in-out duration-150">Back</a>
      </div>
    </div>
  </div>
</div>

```

Figure 4.2.80: M1 report blade

```

<table class="min-w-full divide-y ■ divide-gray-200 w-full">
  <thead>
    <tr>
      <th scope="col"
        class="px-6 py-3 ■ bg-gray-50 text-center text-xs font-medium ■ text-gray-500 uppercase tracking-wider">
        IC
      </th>
      <th scope="col"
        class="px-6 py-3 ■ bg-gray-50 text-center text-xs font-medium ■ text-gray-500 uppercase tracking-wider">
        Name
      </th>
      <th scope="col"
        class="px-6 py-3 ■ bg-gray-50 text-center text-xs font-medium ■ text-gray-500 uppercase tracking-wider">
        Fee Type
      </th>
      <th scope="col"
        class="px-6 py-3 ■ bg-gray-50 text-center text-xs font-medium ■ text-gray-500 uppercase tracking-wider">
        Total Amount
      </th>
      <th scope="col"
        class="px-6 py-3 ■ bg-gray-50 text-center text-xs font-medium ■ text-gray-500 uppercase tracking-wider">
        Payment Type
      </th>
      <th scope="col"
        class="px-6 py-3 ■ bg-gray-50 text-center text-xs font-medium ■ text-gray-500 uppercase tracking-wider">
        Bank Name
      </th>
      <th scope="col"
        class="px-6 py-3 ■ bg-gray-50 text-center text-xs font-medium ■ text-gray-500 uppercase tracking-wider">
        Remarks
      </th>
    </tr>
  </thead>
  <tbody class="■ bg-white divide-y ■ divide-gray-200">
    @if ($payments->isEmpty())
      <tr>
        <td colspan="7" class="px-6 py-4 whitespace-nowrap text-sm ■ text-gray-900">
          No data recorded.
        </td>
      </tr>
    @else
      @foreach ($payments as $payment)
        <tr>
          <td class="px-6 py-4 whitespace-nowrap text-center text-sm ■ text-gray-900">
            {{ $payment->child->ch_ic }}
          </td>
          <td class="px-6 py-4 whitespace-nowrap text-center text-sm ■ text-gray-900">
            {{ $payment->child->ch_name }}
          </td>
          <td class="px-6 py-4 whitespace-nowrap text-center text-sm ■ text-gray-900">
            {{ $payment->fee_type }}
          </td>
          <td class="px-6 py-4 whitespace-nowrap text-center text-sm ■ text-gray-900">
            RM {{ $payment->total_payment }}.00
          </td>
          <td class="px-6 py-4 whitespace-nowrap text-center text-sm ■ text-gray-900">
            {{ $payment->payment_type }}
          </td>
          <td class="px-6 py-4 whitespace-nowrap text-center text-sm ■ text-gray-900">
            {{ $payment->bank_name }}
          </td>
          <td class="px-6 py-4 whitespace-nowrap text-center text-sm ■ text-gray-900">
            {{ $payment->payment_remarks }}
          </td>
        </tr>
      @endforeach
    @endif
  </tbody>
</table>

```

Figure 4.2.81: Payment report blade

```

@foreach ($childs as $child)
<div class="flex gap-4 bg-white px-4 py-4 rounded-md">
<div class="flex-auto w-1/2">
<div class="mt-4">
<x-label for="ch_name" value="{{ __('Name') }}" />
<label id="ch_name" class="uppercase block mt-1 w-full" name="ch_name">
{{ $child->ch_name }}</label>
</div>
<div class="mt-4">
<x-label for="ch_ic" value="{{ __('IC Number') }}" />
<label id="ch_ic" class="block mt-1 w-full" name="ch_ic">
{{ $child->ch_ic }} </label>
</div>
<div class="mt-4">
<x-label value="{{ __('Gender') }}" />
<label id="ch_gender" class="block mt-1 w-full" name="ch_gender">
{{ $child->ch_gender }} </label>
</div>
<div class="mt-4">
<x-label for="ch_dob" value="{{ __('Date of Birth') }}" />
<label id="ch_dob" class="block mt-1 w-full" name="ch_dob">
{{ $child->ch_dob }} </label>
</div>
<div class="mt-4">
<x-label for="p_address" value="{{ __('Address') }}" />
<label id="p_address" class="block mt-1 w-full" name="p_address">
{{ $child->parent->p_address }} </label>
</div>
</div>
<div class="flex-auto w-1/2">
<div class="mt-4">
<x-label for="p_name" value="{{ __('Parent Name') }}" />
<label id="p_name" class="uppercase block mt-1 w-full" name="p_name">
{{ $child->name }}</label>
</div>
<div class="mt-4">
<x-label for="p_ic" value="{{ __('IC Number') }}" />
<label id="p_ic" class="block mt-1 w-full" name="p_ic">
{{ $child->parent->p_ic }} </label>
</div>
<div class="mt-4">
<x-label value="{{ __('Relation') }}" />
<label id="p_relation" class="block mt-1 w-full" name="p_relation">
{{ $child->parent->p_relation }} </label>
</div>
<div class="mt-4">
<x-label for="p_phone_num" value="{{ __('Phone Number') }}" />
<label id="p_phone_num" class="block mt-1 w-full" name="p_phone_num">
{{ $child->parent->p_phone_num }} </label>
</div>
<div class="mt-4">
<x-label for="email" value="{{ __('Email') }}" />
<label id="email" class="block mt-1 w-full" name="email">
{{ $child->email }} </label>
</div>
</div>
</div>

```

Figure 4.2.82: Child and Parent Info blade

4.2.4.4 Route

```
Route::get('/admin/dashboard', [UserController::class, 'index'])->name('admin.dashboard');
Route::post('/manage-user-system/admin/add-user', [UserController::class, 'create'])->name('user.add');
Route::get('/manage-user-system/admin/view-user/{id}', [UserController::class, 'show'])->name('admin.user.view');
Route::get('/manage-user-system/admin/edit-user/{id}', [UserController::class, 'edit'])->name('admin.user.edit');
Route::post('/manage-user-system/admin/edit-user/update/{id}', [UserController::class, 'update'])->name('user.update');
Route::get('/destroy-user/{id}', [UserController::class, 'destroy'])->name('destroy-user');

// go to add user page
Route::get('/manage-user-system/admin/add-user', function () {
    return view('manage-user-system/add-user');
})->name('admin.user.add');

// Manage m1
Route::get('/manage-m1/parent/m1-question', [M1Controller::class, 'index'])->name('parent.m1');
Route::post('/manage-m1/parent/m1-question-store', [M1Controller::class, 'store'])->name('m1.store');
Route::post('/manage-m1/child-loe/{id}', [M1Controller::class, 'update'])->name('child.loe.update');
Route::get('/manage-m1/child-list', [M1Controller::class, 'childList'])->name('child.list');
Route::get('/manage-m1/m1-details/{id}', [M1Controller::class, 'm1Details'])->name('m1.details');

// Manage appointment
Route::get('/manage-appointment/list-appointment', [AppointmentController::class, 'index'])->name('appointment.list');
Route::post('/manage-appointment/parent/add-appointment/store', [AppointmentController::class, 'store'])->name('parent.appointment.store');
Route::get('/manage-appointment/parent/add-appointment', [AppointmentController::class, 'create'])->name('parent.appointment.add');
Route::get('/destroy-appointnt/{id}', [AppointmentController::class, 'destroy'])->name('destroy-appointnt');

Route::get('/edit-appointnt/{id}', [AppointmentController::class, 'edit'])->name('edit-appointnt');
Route::post('/manage-appointment/appointment/{id}', [AppointmentController::class, 'update'])->name('update.pic');

// Manage payment
Route::post('/manage-payment/store', [PaymentController::class, 'store'])->name('payment.store');
Route::get('/manage-payment', [PaymentController::class, 'index'])->name('payment.page');
Route::get('/manage-report/payment', [PaymentController::class, 'report'])->name('payment.report');

// Manage m3
Route::get('/manage-m3/parent/m3-question', [M3Controller::class, 'index'])->name('parent.m3');
Route::post('/manage-m3/parent/m3-question-store', [M3Controller::class, 'store'])->name('m3.store');
```

Figure 4.2.83: web.php

4.2.5 Database Implementation

	id	appntmnt_type	appntmnt_date	appntmnt_time	child_id	staff_id	created_at	updated_at
<input type="checkbox"/>	1	PERJUMPAAN PERTAMA (P1)	2023-06-30	08:30 AM	2	2	2023-06-02 14:17:12	2023-08-08 08:38:26
<input type="checkbox"/>	7	PERJUMPAAN PERTAMA (P1)	2023-06-09	10:00 AM	7	NULL	2023-06-07 07:29:02	2023-08-07 07:29:02
<input type="checkbox"/>	10	PERJUMPAAN PERTAMA (P1)	2023-06-12	09:00 AM	9	1	2023-06-09 08:00:48	2023-06-09 08:03:09

Figure 4.2.84: Appointments table

	id	ch_name	ch_gender	ch_dob	ch_ic	loe_programme	parent_id	created_at	updated_at
<input type="checkbox"/>	2	KHAISARA BINTI ABDULLAH	FEMALE	2022-09-13	220913100286	INCLUSIVE	6	2023-04-05 20:11:44	2023-06-08 09:01:32
<input type="checkbox"/>	7	ARIFFIN BIN ABDULLAH	MALE	2023-01-01	230101101243	NULL	6	2023-06-07 01:43:40	2023-06-07 01:43:40
<input type="checkbox"/>	8	ADAM IDRIS BIN NUH SOLEH	MALE	2020-07-20	200720100263	NULL	7	2023-06-07 04:09:06	2023-06-07 04:09:06
<input type="checkbox"/>	9	HANAN BIN ABDULLAH	MALE	2021-07-20	210720100263	INTENSIVE	24	2023-06-09 07:50:29	2023-06-09 07:56:48

Figure 4.2.85: Childs table

				id	psQID	answer	child_id	created_at	updated_at
<input type="checkbox"/>				145	1	a	2	2023-06-03 00:15:25	2023-06-03 00:15:25
<input type="checkbox"/>				146	2	Tidak	2	2023-06-03 00:15:25	2023-06-03 00:15:25
<input type="checkbox"/>				147	3	b	2	2023-06-03 00:15:25	2023-06-03 00:15:25
<input type="checkbox"/>				148	4	c	2	2023-06-03 00:15:25	2023-06-03 00:15:25
<input type="checkbox"/>				149	5	Ya	2	2023-06-03 00:15:25	2023-06-03 00:15:25
<input type="checkbox"/>				150	6	Tidak	2	2023-06-03 00:15:25	2023-06-03 00:15:25
<input type="checkbox"/>				151	7	d	2	2023-06-03 00:15:25	2023-06-03 00:15:25
<input type="checkbox"/>				152	8	Ya	2	2023-06-03 00:15:25	2023-06-03 00:15:25
<input type="checkbox"/>				153	9	e	2	2023-06-03 00:15:25	2023-06-03 00:15:25
<input type="checkbox"/>				154	10	f	2	2023-06-03 00:15:25	2023-06-03 00:15:25
<input type="checkbox"/>				155	11	Social Media,Papan Iklan	2	2023-06-03 00:15:25	2023-06-03 00:15:25
<input type="checkbox"/>				156	1	a	7	2023-06-07 07:07:25	2023-06-07 07:07:25
<input type="checkbox"/>				157	2	Tidak	7	2023-06-07 07:07:25	2023-06-07 07:07:25
<input type="checkbox"/>				158	3	b	7	2023-06-07 07:07:25	2023-06-07 07:07:25
<input type="checkbox"/>				159	4	c	7	2023-06-07 07:07:25	2023-06-07 07:07:25
<input type="checkbox"/>				160	5	Ya	7	2023-06-07 07:07:25	2023-06-07 07:07:25
<input type="checkbox"/>				161	6	Ya	7	2023-06-07 07:07:25	2023-06-07 07:07:25
<input type="checkbox"/>				162	7	d	7	2023-06-07 07:07:25	2023-06-07 07:07:25
<input type="checkbox"/>				163	8	Tidak	7	2023-06-07 07:07:25	2023-06-07 07:07:25
<input type="checkbox"/>				164	9	e	7	2023-06-07 07:07:25	2023-06-07 07:07:25
<input type="checkbox"/>				165	10	f	7	2023-06-07 07:07:25	2023-06-07 07:07:25

Figure 4.2.86: M1s table

				id	m3QID	answer	child_id	created_at	updated_at
<input type="checkbox"/>	Edit	Copy	Delete	63	1	LOE Onboarding System.pdf	2	2023-06-04 17:57:16	2023-06-04 17:57:16
<input type="checkbox"/>	Edit	Copy	Delete	64	2	NULL	2	2023-06-04 17:57:16	2023-06-04 17:57:16
<input type="checkbox"/>	Edit	Copy	Delete	65	3	NULL	2	2023-06-04 17:57:16	2023-06-04 17:57:16
<input type="checkbox"/>	Edit	Copy	Delete	66	4	a	2	2023-06-04 17:57:16	2023-06-04 17:57:16
<input type="checkbox"/>	Edit	Copy	Delete	67	5	b	2	2023-06-04 17:57:16	2023-06-04 17:57:16
<input type="checkbox"/>	Edit	Copy	Delete	68	6	c	2	2023-06-04 17:57:16	2023-06-04 17:57:16
<input type="checkbox"/>	Edit	Copy	Delete	69	7	d	2	2023-06-04 17:57:16	2023-06-04 17:57:16
<input type="checkbox"/>	Edit	Copy	Delete	70	8	Tidak	2	2023-06-04 17:57:16	2023-06-04 17:57:16
<input type="checkbox"/>	Edit	Copy	Delete	71	9	Normal	2	2023-06-04 17:57:16	2023-06-04 17:57:16
<input type="checkbox"/>	Edit	Copy	Delete	72	10	Tidak	2	2023-06-04 17:57:16	2023-06-04 17:57:16
<input type="checkbox"/>	Edit	Copy	Delete	73	11	e	2	2023-06-04 17:57:16	2023-06-04 17:57:16
<input type="checkbox"/>	Edit	Copy	Delete	74	12	f	2	2023-06-04 17:57:16	2023-06-04 17:57:16
<input type="checkbox"/>	Edit	Copy	Delete	75	13	g	2	2023-06-04 17:57:16	2023-06-04 17:57:16
<input type="checkbox"/>	Edit	Copy	Delete	76	14	h	2	2023-06-04 17:57:16	2023-06-04 17:57:16
<input type="checkbox"/>	Edit	Copy	Delete	77	15	Ibu bapa	2	2023-06-04 17:57:16	2023-06-04 17:57:16
<input type="checkbox"/>	Edit	Copy	Delete	78	16	i	2	2023-06-04 17:57:16	2023-06-04 17:57:16
<input type="checkbox"/>	Edit	Copy	Delete	79	17	j	2	2023-06-04 17:57:16	2023-06-04 17:57:16
<input type="checkbox"/>	Edit	Copy	Delete	80	18	k	2	2023-06-04 17:57:16	2023-06-04 17:57:16
<input type="checkbox"/>	Edit	Copy	Delete	81	19	l	2	2023-06-04 17:57:16	2023-06-04 17:57:16
<input type="checkbox"/>	Edit	Copy	Delete	82	20	m	2	2023-06-04 17:57:16	2023-06-04 17:57:16
<input type="checkbox"/>	Edit	Copy	Delete	83	21	n	2	2023-06-04 17:57:16	2023-06-04 17:57:16

Figure 4.2.87: M3s table

				id	p_ic	p_phone_num	p_relation	p_address	user_id	created_at	updated_at
<input type="checkbox"/>	Edit	Copy	Delete	6	010913100282	0123456789	MOTHER	NO. 5, JALAN SAWI 24/3, SEKSYEN 24, 40400 SHAHALA.	13	2023-04-05 20:11:44	2023-04-05 20:11:44
<input type="checkbox"/>	Edit	Copy	Delete	7	010913100283	0123456790	GUARDIAN	NO. 5, JALAN SAWI 24/3, SEKSYEN 24, 40400 SHAHALA.	18	2023-04-05 20:11:44	2023-05-23 05:49:17
<input type="checkbox"/>	Edit	Copy	Delete	24	000720100282	0123038786	MOTHER	NO 48. JALAN RINTING, 18/29. SEKSYEN 18, 40200 SHA...	47	2023-06-09 07:44:50	2023-06-09 07:49:58

Figure 4.2.88: Parents table

				id	payment_type	total_payment	payment_remarks	payment_status	bank_name	fee_type	child_id	created_at	updated_at
<input type="checkbox"/>	Edit	Copy	Delete	1	ONLINE BANK-IN	375.00	-	PAID	MAYBANK	PROGRAM PEMERHATAN SEBULAN (PPS)	2	2023-06-08 17:46:40	2023-06-08 17:46:40
<input type="checkbox"/>	Edit	Copy	Delete	5	ONLINE BANK-IN	375.00	none	PAID	BIMB	PROGRAM PEMERHATAN SEBULAN (PPS)	9	2023-06-09 08:05:28	2023-06-09 08:05:28

Figure 4.2.89: Payments table

	id	ic	gender	phone_num	address	qualification	position	user_id	created_at	updated_at
<input type="checkbox"/>	1	990421101234	FEMALE	0123046598	NO.7, JALAN SINGA 2011, SEKSYEN 20, 40300 SHAHALA...	BACHELOR OF OCCUPATIONAL THERAPY	OCCUPATIONAL THERAPY	10	NULL	NULL
<input type="checkbox"/>	2	960512101234	FEMALE	0125469862	NO.7, JALAN LANDAK 2031, SEKSYEN 20, 40300 SHAH...	BACHELOR OF PSYCHOLOGY	CONSULTANT	11	NULL	NULL
<input type="checkbox"/>	3	800913101237	MALE	0102356987	NO.5, JALAN LANDAK 1821, SEKSYEN 18, 40200 SHAH...	MASTER IN MANAGEMENT	MANAGER	12	NULL	NULL
<input type="checkbox"/>	8	000141152351	MALE	0145023655	testing4	testing4	PRINCIPAL	43	2023-05-19 04:51:47	2023-05-23 05:40:16

Figure 4.2.90: Staffs table

	id	name	email	role	email_verified_at	password	two_factor_secret	two_factor_recovery_codes
<input type="checkbox"/>	9	ADMIN	admin@gmail.com	ADMIN	NULL	\$2y\$10\$Br15DzdUueTkh6wsaHfPouD2rFYCYLj8MDx1czF1W...	NULL	NULL
<input type="checkbox"/>	10	AINNA ZINNIRAH BINTI MARZUKI	ainnazinnirah1@gmail.com	STAFF	NULL	\$2y\$10\$PYKseWBSbAxAuD52370.HwbolyurhAbt7rGmZjJF...	NULL	NULL
<input type="checkbox"/>	11	WAN SUJAYYAH BINTI WAN AHMAD RAHIMAN	smyyhr@gmail.com	STAFF	NULL	\$2y\$10\$ev2ZdMQoik6u6RJwRwXEOHwJ715RHPVucN44YUZ...	NULL	NULL
<input type="checkbox"/>	12	MUHAMMAD IZZUDDIN BIN MUHAMMAD AZMI	izzuddinazmi0@gmail.com	STAFF	NULL	\$2y\$10\$USgvKvni0x3yvDABRiMf3QEZCYymJDNxU1gKS6xG...	NULL	NULL
<input type="checkbox"/>	13	NURUL IZZAH BINTI MUHAMMAD AZMI	izzah.nurul63.ni@gmail.com	PARENT	2023-05-23 15:08:67	\$2y\$10\$Shbn1f0cRZQFBW8/TfRveKusJzsrcaCSQ1Rfay7z8...	NULL	NULL
<input type="checkbox"/>	18	NUR ATIQAH BINTI KAMAL	nuratqah1306@gmail.com	PARENT	2023-05-01 03:33:17	\$2y\$10\$1zo13uunchJ49e9JULmGpJ84pZSivCP8ElrsydZqzC...	NULL	NULL
<input type="checkbox"/>	43	ABU AHMAD BIN ALI	abu@gmail.com	STAFF	2023-05-20 15:52:45	\$2y\$10\$XmaBmwqyHfYBslMazY8b.bAfChds9OWy9OKWZcTHe...	NULL	NULL
<input type="checkbox"/>	47	NURIN IMAN BINTI AZMI	nuriniman93@gmail.com	PARENT	2023-06-09 07:45:11	\$2y\$10\$ndTIEcc2QwSC4kvaYwZyUoqetvOjTEZik6QZIA3FN...	NULL	NULL

Figure 4.2.91: Users table

4.3 Results / Findings

In this section, the results of the testing, as well as the comments and suggestions from users and other stakeholders, are presented. User Acceptance Testing (UAT) is used to determine whether the application's features are functioning as intended. UAT aims to ensure that the software or system satisfies the requirements of end users, is free of critical defects, and provides a satisfactory user experience. It reduces the likelihood of deployment problems, user dissatisfaction, and costly revisions after releasing the software. All system modules are subjected to testing for the benefit of prospective clients. Regarding the system development project, testing and validation were conducted via online meetings through Google Meet with the client, MZR Global Sdn Bhd on 9th June 2023, Friday, from 3 PM to 5 PM. The assessment is performed in Appendix B.

4.4 Discussions

This section analyses the results and discusses the system's limitations, areas for future development, and overall project success. Based on the UAT, some improvement needs to be made, such as implementing email notifications to ensure the user is always notified of any changes or updated info. Also, minor changes must be made to fulfil the client's requirements. Due to a lack of knowledge of the Laravel framework and constraints, two modules could not finish on time during the first testing phase. Overall, the system is working well, and the stakeholders are satisfied with the existing modules that have been completed.

CHAPTER 5

CONCLUSION

5.1 Introduction

The establishment of Little One Eduworld (LOE) and the need for a Special Needs Children Onboarding Management System emphasizes the significance of providing adequate education and rehabilitation programs for children with special needs. The manual onboarding process at LOE has presented numerous difficulties, such as time-consuming tasks, misunderstandings, miscommunication, and the loss or destruction of vital documents. These issues can considerably impact LOE's management quality and reputation.

Using the Laravel framework, this project intends to develop a Special Needs Children Onboarding Management System to resolve these issues. The system seeks to increase productivity by automating processes, managing data securely, facilitating document retrieval, and rapidly generating reports. By implementing this system, LOE staff and parents will be able to effectively manage the onboarding process for new students, thereby improving the overall experience for the children and enhancing their development monitoring.

The project adheres to an agile scrum framework, enabling effective collaboration among team members and adaptability to shifting project goals. This methodology facilitates rapid development and permits rapid updates to accommodate stakeholder needs.

The implementation of the system presents ten modules that cover various aspects of onboarding management. The system uses the MySQL database and the Laravel web application framework. Results and discussions include user acceptance testing (UAT)

and stakeholder feedback, emphasizing the system's functionality, limitations, and future development opportunities. Based on the results of the UAT, the system exhibits effective performance. However, specific enhancements are required to meet client requirements. Despite constraints and limited knowledge of the Laravel framework, stakeholders are pleased with the completed modules, demonstrating the successful completion of the project.

Overall, the Special Needs Children Onboarding Management System provides a valuable solution to the problems encountered by LOE, enhancing the efficiency of onboarding processes and the overall management of special needs children. With continued development and the incorporation of stakeholder input, this system can potentially expand and enhance.

5.2 Objective Revisited

Table 5.2.1: Objectives and Results

No.	Objective	Result
1	To study the existing system related to Special Needs Children Onboarding Management System.	The study of existing systems, including the SentricHR Employee Onboarding Software, Zoho Employee Onboarding System, and ClearCompany Employee Onboarding Software, provided valuable insights into onboarding management practices and served as a reference for developing the Special Needs Children Onboarding Management System. Also, the requirements are clearly defined for the Special Needs Children Onboarding system with client participation.
2	To develop a Special Needs Children Onboarding Management	The development of the Special Needs Children Onboarding Management System was successfully carried out

	System using the Laravel framework.	using the Laravel web application framework. The system comprises ten modules, including registration, login, manage user, manage profile, manage appointment, manage payment, and report. The system was designed and developed as a simplified, visually appealing, and user-friendly web-based system.
3	To evaluate the functionality of the Special Needs Children Onboarding Management System.	The functionality of the Special Needs Children Onboarding Management System was evaluated through user acceptance testing (UAT) by MZR Global Sdn Bhd. The system was tested for its features, functionality, and performance to validate and verify the integrity of functionality implementation, the system's efficacy, and usability. Feedback and suggestions from users and stakeholders were collected and analyzed to assess the system's effectiveness and identify areas for improvement.

5.3 Limitations and Constrains

Throughout the system's development, certain limitations and constraints are encountered during the project's completion.

- **Time constraints**

Insufficient time to implement a system with more appealing interfaces and more precise functions within the project's timeline. Developing a complete and robust system within a specified timeframe can be difficult. The project had strict deadlines, which placed pressure on the development process.

- **Lack of experience and knowledge of the Laravel framework**

My limited prior exposure to the Laravel framework made learning and adapting to its functionalities challenging. This limitation may have impacted the development schedule and the ability to utilize the framework's features completely. The system is developed using the Laravel framework, requiring more knowledge, experience, and familiarity with the architecture. Knowledge and familiarity gaps with the Laravel framework create difficulties in comprehending code structure and managing errors within the project's deadline.

- **Technical constraints**

During the development process, specific technical restrictions or limitations were encountered. These include browser compatibility issues, database constraints, and regulations imposed by the selected development tools. To overcome these technical limitations, additional effort and troubleshooting were required.

- **Participation of stakeholders and communication**

Communication and participation of stakeholders, including the management team and end consumers, are essential for project success. Possible obstacles to the development process and the ability to fully meet the stakeholders' needs and requirements were a lack of stakeholder engagement or communication gaps. The

involvement and engagement of clients affect the system's development, as adjustments and modifications to the requested functions and requirements impact the project schedule.

5.4 Recommendations Future Works

The Special Needs Onboarding Management System is still deficient in functionality, validation, user interface design, and additional enhancements for future works.

- Additional features or improvements can be added to the system based on comments and recommendations from users and stakeholders. This may include features such as messaging notifications/email notifications to keep users informed of changes or reminders. Further usability testing and user feedback collection can help identify areas where the system's user interface and user experience can be improved. Enhancing the system's intuitiveness, navigation, and overall efficacy will facilitate a more streamlined user onboarding procedure.
- Explore integrating the Special Needs Children Onboarding Management System with other relevant platforms or systems. For instance, integration with the Child Development Screening System and Payment System can expedite data exchange and improve overall management and collaboration processes.
- Consider creating a mobile application variant of the system to increase user accessibility and convenience. Using their mobile devices, parents and staff can access the system, receive notifications, and interact with the system via a mobile application on the go.
- Establish a procedure for ongoing system maintenance and updates to resolve potential issues or bugs. Review and update the system regularly to ensure conformity with evolving requirements, technological advances, and emergent best practices in onboarding management.

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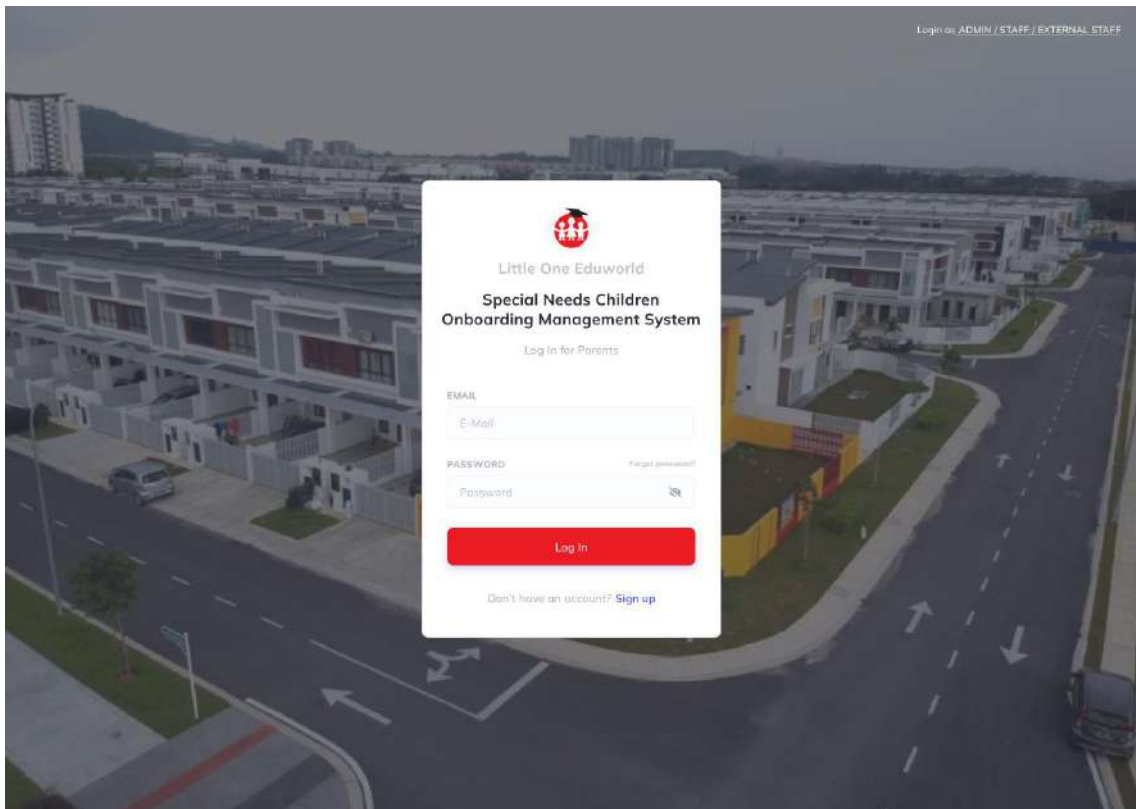
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APPENDIX A



Appendix A. 1: Login page Parent

[Go back to Login page](#)

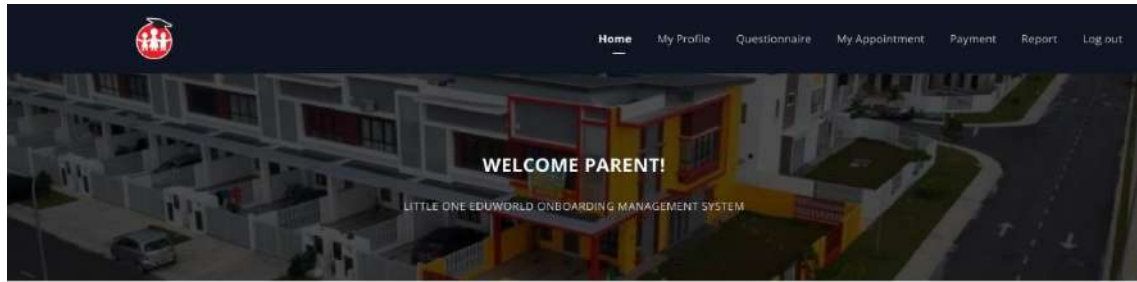


Little One Eduworld
Special Needs Children
Onboarding Management System
Register New Account

<p>NAME</p> <input type="text" value="Name"/>	<p>PHONE NUMBER</p> <input type="text" value="Phone Number"/>
<p>DATE OF BIRTH</p> <input style="border: 1px solid #ccc; border-radius: 5px; padding: 2px 10px;" type="text" value="Date of Birth"/> 📅	<p>FAMILY RELATION</p> <input style="border: 1px solid #ccc; border-radius: 5px; padding: 2px 10px;" type="text" value="Family Relation"/> ▼
<p>EMAIL</p> <input type="text" value="Email"/>	<p>CHILDREN'S NAME</p> <input type="text" value="Children's Name"/>
<p>PASSWORD</p> <input style="border: 1px solid #ccc; border-radius: 5px; padding: 2px 10px;" type="password" value="Password"/> 👁️	<p>CHILDREN'S DATE OF BIRTH</p> <input style="border: 1px solid #ccc; border-radius: 5px; padding: 2px 10px;" type="text" value="Date of Birth"/> 📅
<p>RETYPE PASSWORD</p> <input style="border: 1px solid #ccc; border-radius: 5px; padding: 2px 10px;" type="password" value="Retype Password"/> 👁️	

[Create New Account](#)

Appendix A. 2: Register page Parent



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Appendix A. 3: Parent dashboard page

My Profile

My Profile ▼		
Change Password	NAME	PHONE NUMBER
Child Profile	SYAHMI BIN ABDULLAH	012-3456789
	DATE OF BIRTH	FAMILY RELATION
	17/01/1999	Father
	EMAIL	HOME ADDRESS
	syahmie@gmail.com	NO 13, JALAN SANGKAR 19/6, SEKSYEN 19, SHAH ALAM 40200 SHAH ALAM, SELANGOR.
	IC	
	990117100263	
		EDIT

<p>LITTLE ONES EDUWORLD 5A, Jalan Kristal K7/K, 40000, Seksyen 7, Shah Alam, Selangor Darul Ehsan</p> <p>hello@litleones.my</p> <p>Phone: +603 5523 7428 Mobile: +6019 250 7428</p>	<p>About Us: LITTLE ONES EDUWORLD Established in 2008, Little Ones Eduworld now have 12 centres located in Shah Alam, Setia Alam, Gombak, Rawang, Pasir Puteh & Kota Bharu. We cater diversified student stages and age.</p>	<p>Media Social</p> <p>Twitter Facebook Instagram</p>
--	--	--

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Appendix A. 4: My Profile page

My Profile

My Profile ▼

Change Password

Child Profile

Edit My Profile

NAME

PHONE NUMBER

DATE OF BIRTH

FAMILY RELATION

EMAIL

*Cannot be an change the email

HOME ADDRESS

IC

SAVE

Appendix A. 5: Edit My Profile page

My Profile

My Profile ▾

Change Password

Child Profile

Change Password

PASSWORD

BETWEEN PASSWORD

SAVE

Appendix A. 6: Change password page

My Profile

My Profile ▼

Child Profile

CHILDREN'S NAME	PROGRAMME
SAKEENAH BINTI SYAHMI	INCLUSIVE PROGRAMME
DATE OF BIRTH	IC
20/01/2019	190120100242
GENDER	
FEMALE	

EDIT

+

Appendix A. 7:Child Profile page

My Profile

My Profile ▼

Child Profile

Edit Child Profile

CHILDREN'S NAME

PROGRAMME

DATE OF BIRTH

IC

GENDER

Appendix A. 8: Edit Child Profile page

My Profile

My Profile ▼

Child Profile

Add Child Profile

CHILDREN'S NAME

IC

DATE OF BIRTH

GENDER

ADD

Appendix A. 9: Add Child Profile page



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Appendix A. 10: Questionnaire dashboard page

Pre-Screening (M1)

SABERHAH BAITI SYAHRI

1. Apa yang diharapkan paling penting tentang anak?

2. Dah pernah bawa anak jumpa doktor/terapis?

Ya Tidak

3. Ada diagnosis daripada doktor/terapis?

4. Ada tingkah laku agresif, bertun atau disrupsi? *

5. Anak sudah duduk dalam 10-15 minit? *

Ya Tidak

6. Boleh lakukan satu langkah arahan? (Contoh: 'Ade duduk') *

Ya Tidak

7. Bagaimana anak minta sesuatu? *

8. Anak masih pakai popok? *

Ya Tidak

9. Apa yang ibu/bapa inginkan daripada LOE TC?

10. Apa yang anak sudah mampu lakukan? (Aksesoris anak)

11. Darimana ibu-bapa tahu mengenai kami?

Social Media
 Ahli Keluarga/Rakan-rakan
 Papan Klien
 Lain-lain

I acknowledge that all my answers are accurate, and all information provided is private and confidential.

Appendix A. 11: Pre-screening page

Parent Initial Information (M3)

SAKEENAH BINTI SYAHMI

Fail-fail yang diperlukan:

1. Kad imunitasi anak

Choose file No file

2. Rekod M-CHAT (sekitarnya ada)

Choose file No file

3. Apa-apa rekod penilaian doktor/terapis yang dipendaht?

Choose file No file

Appendix A. 12: Parent Initial Info Page 1



Parent Initial Information (M3)

Sebelum Anak Lahir:

1. Pengalaman semasa mengandung

2. Kandungan ke berapa?

3. Umur ibu semasa mengandung

4. Rawatan doktor yang penting?

5. Ada alahan atau 'morning sickness'?

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Appendix A. 13: Parent Initial Info Page 2

Parent Initial Information (M3)

Semasa Melahirkan:

1. Pengamatan semasa melahirkan

-- Pilih --

2. Cukup minggu?

Ya Tidak

3. Keadaan anak selepas dilahirkan (jaundice, bayi kurang berat, bayi besar, komplikasi lain?)

PREVIOUS NEXT

Appendix A. 14: Parent Initial Info Page 3

Parent Initial Information (M3)

Pengalaman dalam Pantang:

1. Pemakanan ibu
2. Penyusuan anak
3. Tingkah laku anak (memanggi, kembung perut dan lain-lain lagi?)

[PREVIOUS](#) [NEXT](#)

Appendix A. 15: Parent Initial Info Page 4



Parent Initial Information (M3)

Sejarah Pembesaran anak:

1. Siapa yang jaga?

2. Aila tingkah laku yang membingungkan?

3. Perbezaan dalam perkembangan anak berbanding anak lain sekiranya ada.

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Appendix A. 16: Parent Initial Info Page 5



Parent Initial Information (M3)

Tingkah laku anak ketika di rumah sendiri:

1. Cara berkomunikasi dengan ibu dan bapa

2. Cara berkomunikasi dengan adik-beradik sekiranya ada

3. Cara anak bermain di rumah

4. Barang permainan yang ada yang anak paling gemari

5. Perkara yang anak tidak suka

6. Perkara yang anak paling suka

7. Sesuatu atau perkara yang anak takut

8. Objekt yang anak jadi obsesif

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Appendix A. 17: Parent Initial Info Page 6



Parent Initial Information (M3)

Penggunaan gajet:

1. Namakan gajet yang anak dapat

Telefon Pintar Komputer Riba Tablet Desktop Lain-lain

2. Bila anak mula diberikan gajet?

-- Pilih --

3. Berapa lama masa anak guna gajet?

Kurang dari 2 jam 2 hingga 4 jam Lebih dari 4 jam

4. Apa yang anak paling suka bila mendapat gajet?

YouTube Bermain 'game' Melihat gambar Menghubungi seseorang Lain-lain

5. Adakah kesan buruk di atas penggunaan gajet ini?

Ya Tidak

[PREVIOUS](#) [NEXT](#)

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Appendix A. 18: Parent Initial Info Page 7

Parent Initial Information (M3)

Tingkah laku anak ketika di luar rumah:

1. Tempat yang anak tidak suka
2. Tempat yang anak suka
3. Keadaan anak semasa ke/luar bersiar-siar dengan keluarga (taman permainan, pasaraya, McDonald, KFC dll)
4. Keadaan anak ketika ke majlis orang ramai.

[PREVIOUS](#) [NEXT](#)

Appendix A. 19: Parent Initial Info Page 8

Parent Initial Information (M3)

1. Senarai makanan dan minuman yang anak ambil di rumah

2. Rutin waktu tidur dan waktu bangun

3. Lain-lain hal yang membimbangkan ibu bapa

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Appendix A. 20: Parent Initial Info Page 9



My Appointment

BOOK APPOINTMENT

No	TYPE	DATE	TIME	ACTION
1	PERJUMPAAN PERTAMA (P1)	01/01/2023	09:00 AM	CANCEL BOOK

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Appendix A. 21: Appointment list page

My Appointment

Book Appointment

APPOINTMENT TYPE
-- PBR --

DATE
[Calendar Icon]

TIME SLOT
-- PBR --

[CANCEL](#) [BOOK SLOT](#)

Appendix A. 22: Book Appointment page

Payment

FEE TYPE
-- PBR --

TOTAL PAYMENT
RM [REDACTED]

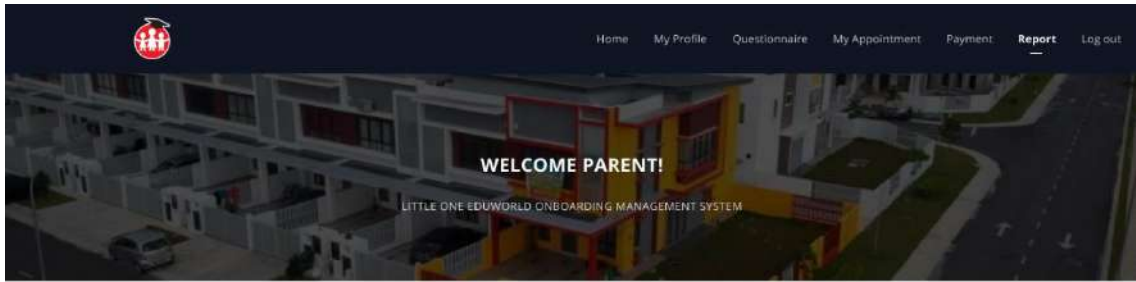
PAYMENT TYPE
-- PBR --

BANK NAME
-- PBR --

REMARKS
[REDACTED]

CANCEL PAY

Appendix A. 23: Payment page



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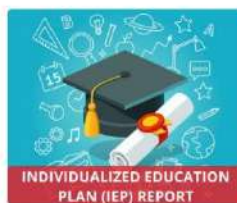
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Appendix A. 24: Parent dashboard page



Pre-Screening (M1) Report

No	CHILD	DATE	PROGRAMME TYPE	ACTION
1	SAKEENAH BINTI SYAHMI	01/01/2023	INCLUSIVE	View

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Appendix A. 25: Pre-screening report list page



Pre-Screening (M1) Report

NAMA: SAKENAH BINTI SYAHMI

1. Apa yang ibu/bapa paling bimbang tentang anak?

Lorem ipsum dolor sit amet adipiscing

2. Dah pernah bawa anak jumpa doktor/terapi?

Lorem ipsum dolor sit amet adipiscing

3. Ada diagnos daripada doktor/terapi?

Lorem ipsum dolor sit amet adipiscing

4. Ada langkah laku agresif, tantrum atau disruptif? *

Lorem ipsum dolor sit amet adipiscing

5. Anak boleh duduk diam di meja selama 10-15 minit? *

Lorem ipsum dolor sit amet adipiscing

6. Boleh faham satu langkah arahan? (Contoh: Aa duduk) *

Lorem ipsum dolor sit amet adipiscing

7. Bagaimana anak minta sesuatu? *

Lorem ipsum dolor sit amet adipiscing

8. Anak masih pakai pomper? *

Lorem ipsum dolor sit amet adipiscing

9. Apa yang ibu/bapa inginkan daripada LGE/TC?

Lorem ipsum dolor sit amet adipiscing

10. Apa yang anak sudah mampu lakukan? (Kekuatan anak)

Lorem ipsum dolor sit amet adipiscing

11. Daripada ibu-bapa tahu mengenai kami?

Lorem ipsum dolor sit amet adipiscing

BACK

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Appendix A. 26: Pre-screening report details page



Child Development Screening Report

No	CHILD	DATE	PIC	ACTION
1	SAKEENAH BINTI SYAHMI	01/01/2023	Psychologist: Ummi OT: Syim Consultant: Jue Penyelia: Ira	View

LITTLE ONES EDUWORLD
5A, Jalan Krissal K7/K, 40000, Seksyen 7,
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Appendix A. 27: Child development screening report list page



Child Development Screening Report

NAMA: SAKSEENAH BINTI SYAHMI TARIKH LAHIR: 26/01/2019

TARIKH PENILAIAN: 1 st Mac 2022 UMUR SEMASA PENILAIAN STANDARD: 4 Tahun 5 Bulan 12 Hari MULA PEMERHATAN: 16 Mac 2021	NAMA PENILAI: Psychologist Ummi Wan Roslina OT Syim Konsultan Jue Penyelia Ira
KEPUTUSAN DOST II: Penilaian dibuat pada 1 st Mac 2022 Umur masa dinilai: 4 Tahun 5 Bulan 12 Hari i. Kemahiran Sosial-Kendiri Umur perkembangan: 4 Tahun Anak belum pandai bermain permainan berbentuk kad ii. Kemahiran Motor Halus Umur perkembangan: 3 Tahun 3 Bulan Anak mempunyai masalah melukis bentuk 'o'.	KEPUTUSAN SSP: Penilaian dibuat pada 22 Mac 2022 i. Kurang Tenaga/Lemah: Pasti Berbeza Mempunyai genggam tangan yang lemah. ii. Penapisan Pendengaran: Perbezaan yang Mungkin Kelihatan seperti tidak mendengar apa yang anda cakap. iii. Kepekaan Visual/Pendengaran: Perbezaan yang Mungkin Menutupi mata atau mengecilkan mata untuk melindungi mata daripada cahaya. Keseluruhan: Kemahiran sensori Anas adalah di tahap Perbuatan Biasa namun dia masih mempunyai sedikit masalah isu seperti di atas.
KEPUTUSAN GARS-2: Penilaian ini tidak dijalankan kerana belum sesuai dengan tahap perkembangan semasa APB.	KEPUTUSAN SHS: Penilaian ini tidak dijalankan kerana belum sesuai dengan tahap perkembangan semasa APB.
KEPUTUSAN BVMP: Penilaian ini tidak dijalankan kerana belum sesuai dengan tahap perkembangan semasa APB.	PEMERHATAN TINGKAH LAKU: Anak tiada masalah tingkah laku baik di dalam kelas atau di luar kelas.
ULASAN MENYELURUH: 1. Anak mempunyai masalah kurang tenaga/lemah. 2. Anak mempunyai masalah dalam penapisan pendengaran. 3. Anak mempunyai masalah dalam kepekaan visual/pendengaran. 4. Anak mempunyai masalah dalam kemahiran sosial-kendiri(belum pandai bermain permainan berbentuk kad) 5. Anak mempunyai masalah dalam kemahiran motor halus (anak mempunyai masalah melukis bentuk 'o').	

BACK

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Appendix A. 28: Child development screening report details page



IEP Report

No	CHILD	START	END	PIC	ACTION
1	SAKEENAH BINTI SYAHMI	01/03/2023	01/06/2023	Psychologist: Ummi OT: Syim Consultant: Jue Penyelia: Ira	View

LITTLE ONES EDUWORLD
5A, Jalan Krissal K7/K, 40000, Seksyen 7,
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Appendix A. 29: IEP report list page



IEP Report

NAMA: SAKSEENAH BINTI SYAHMI TARIXH LAHIR: 26/01/2015 PROGRAM: INKLUSIF CENTRE: LOE GON/BAK TARIXH RPI: 01/03/2023 - 01/06/2023

BIL	LOE TERAPI	RANCANGAN PENDIDIKAN INDIVIDU	
	Terapi Carakerja (OT) DDST II i. Kemahiran Sosial-Kendiri Umur perkembangan: 4 Tahun Anak belum pandai bermain permainan berbentuk kad	DDST II	
	ii. Kemahiran Motor Halus Umur perkembangan: 3 Tahun 3 Bulan Anak mempunyai masalah melukis bentuk 'o'.	GOL UNTUK DICAPAI DALAM MASA 3 BULAN	
	SSP i. Kurang Tenaga/Lemah: Pasti Berbeza ii. Penapisan Pendengaran: Perbezaan yang Mungkin iii. Kepekaan Visual/Pendengaran: Perbezaan yang Mungkin	Kemahiran Sosial-Kendiri: Anak bermain permainan berbentuk kad.	INTERVENSI DALAM MASA 3 BULAN Kemahiran Sosial-Kendiri: Anak bermain permainan berbentuk kad UNO dengan memadankan kad ikut warna dan nombor pada bulan April. Anak bermain permainan berbentuk kad UNO secara betul dengan menggunakan kad bertema khas warna dan nombor sahaja pada bulan Mei. Anak bermain permainan berbentuk kad UNO secara betul dengan menggunakan segala jenis kad UNO.
		Kemahiran Motor Halus: Anak melukis bentuk 'o'.	Kemahiran Motor Halus: Latihan aktiviti membuat garisan bentuk 'o' di atas permukaan tekstur pelbagai pada bulan April. Latihan aktiviti membuat garisan bentuk 'o' menggunakan 'pen marker' atau krayon pada bulan Mei. Latihan aktiviti membuat garisan bentuk 'o' menggunakan pensil pada bulan Jun.
		SSP	
		GOL UNTUK DICAPAI DALAM MASA 3 BULAN Kurang Tenaga/Lemah: Mempunyai genggaman tangan yang sederhana.	INTERVENSI DALAM MASA 3 BULAN Intervensi Kurang Tenaga/Lemah i. Bermain doh pada bulan April. ii. Bermain Plastisin pada bulan Mei. iii. Bermain Theraputty biru pada bulan Mei

BACK

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Appendix A. 30: IEP report details page



Payment Report

No	CHILD	DATE	FEE TYPE	TOTAL PAYMENT	ACTION
1	SAKEENAH BINTI SYAHMI	05/01/2023	CHILD DEVELOPMENT SCREENING TEST	RM 500	View

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Appendix A. 31: Payment report list page



Payment Report

FEE TYPE	NAME
CHILD DEVELOPMENT SCREENING TEST	SAKEENAH BINTI SYAHMI
TOTAL PAYMENT	DATE
RM 500	05/01/2023 10:31 AM
PAYMENT TYPE	
ONLINE BANK-IN	
BANK NAME	
BANK ISLAM	
REMARKS	
NONE	

[BACK](#)

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Appendix A. 32: Payment report details page



Parent Initial Info (M3) Report

No	CHILD	DATE	PROGRAMME TYPE	ACTION
1	SAKEENAH BINTI SYAHMI	01/01/2023	INCLUSIVE	View

LITTLE ONES EDUWORLD

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Appendix A. 33: Parent Initial Info report list page

Home | [Daftar](#) | [Layanan](#) | [Pengumuman](#) | [Tentang](#) | [Bantuan](#)

Parent Initial Info (M3) Report

Formulir ini akan digunakan untuk mengumpulkan informasi mengenai perkembangan anak.

Fitri-fail yang diperlakukan:

1. Apakah anak ini?
 - Lama digunakan di awal minggu
 - 2. Apakah anak ini?
 - Lama digunakan di awal minggu
 - 3. Apakah anak ini?
 - Lama digunakan di awal minggu
 - 4. Apakah anak ini?
 - Lama digunakan di awal minggu

Sebelum Anak Lahir:

1. Bagaimana perkembangan anak?
 - Lama digunakan di awal minggu
2. Apakah anak ini?
 - Lama digunakan di awal minggu
3. Apakah anak ini?
 - Lama digunakan di awal minggu
4. Apakah anak ini?
 - Lama digunakan di awal minggu
5. Apakah anak ini?
 - Lama digunakan di awal minggu

Semasa Melahirkan:

1. Bagaimana perkembangan anak?
 - Lama digunakan di awal minggu
2. Apakah anak ini?
 - Lama digunakan di awal minggu
3. Apakah anak ini?
 - Lama digunakan di awal minggu
4. Apakah anak ini?
 - Lama digunakan di awal minggu

Pengalaman dalam Peranti:

1. Bagaimana anak?
 - Lama digunakan di awal minggu
2. Apakah anak ini?
 - Lama digunakan di awal minggu

Sajarah Pembesaran anak:

1. Apakah anak ini?
 - Lama digunakan di awal minggu
2. Apakah anak ini?
 - Lama digunakan di awal minggu
3. Apakah anak ini?
 - Lama digunakan di awal minggu
4. Apakah anak ini?
 - Lama digunakan di awal minggu

Tingkah laku anak ketika di rumah sendiri:

1. Apakah anak ini?
 - Lama digunakan di awal minggu
2. Apakah anak ini?
 - Lama digunakan di awal minggu
3. Apakah anak ini?
 - Lama digunakan di awal minggu
4. Apakah anak ini?
 - Lama digunakan di awal minggu
5. Apakah anak ini?
 - Lama digunakan di awal minggu
6. Apakah anak ini?
 - Lama digunakan di awal minggu
7. Apakah anak ini?
 - Lama digunakan di awal minggu
8. Apakah anak ini?
 - Lama digunakan di awal minggu
9. Apakah anak ini?
 - Lama digunakan di awal minggu
10. Apakah anak ini?
 - Lama digunakan di awal minggu
11. Apakah anak ini?
 - Lama digunakan di awal minggu
12. Apakah anak ini?
 - Lama digunakan di awal minggu

Penggunaan gajet:

1. Apakah anak ini?
 - Lama digunakan di awal minggu
2. Apakah anak ini?
 - Lama digunakan di awal minggu
3. Apakah anak ini?
 - Lama digunakan di awal minggu
4. Apakah anak ini?
 - Lama digunakan di awal minggu
5. Apakah anak ini?
 - Lama digunakan di awal minggu
6. Apakah anak ini?
 - Lama digunakan di awal minggu
7. Apakah anak ini?
 - Lama digunakan di awal minggu
8. Apakah anak ini?
 - Lama digunakan di awal minggu

Tingkah laku anak ketika di luar rumah:

1. Apakah anak ini?
 - Lama digunakan di awal minggu
2. Apakah anak ini?
 - Lama digunakan di awal minggu
3. Apakah anak ini?
 - Lama digunakan di awal minggu
4. Apakah anak ini?
 - Lama digunakan di awal minggu
5. Apakah anak ini?
 - Lama digunakan di awal minggu
6. Apakah anak ini?
 - Lama digunakan di awal minggu
7. Apakah anak ini?
 - Lama digunakan di awal minggu
8. Apakah anak ini?
 - Lama digunakan di awal minggu
9. Apakah anak ini?
 - Lama digunakan di awal minggu
10. Apakah anak ini?
 - Lama digunakan di awal minggu
11. Apakah anak ini?
 - Lama digunakan di awal minggu
12. Apakah anak ini?
 - Lama digunakan di awal minggu

Berkas

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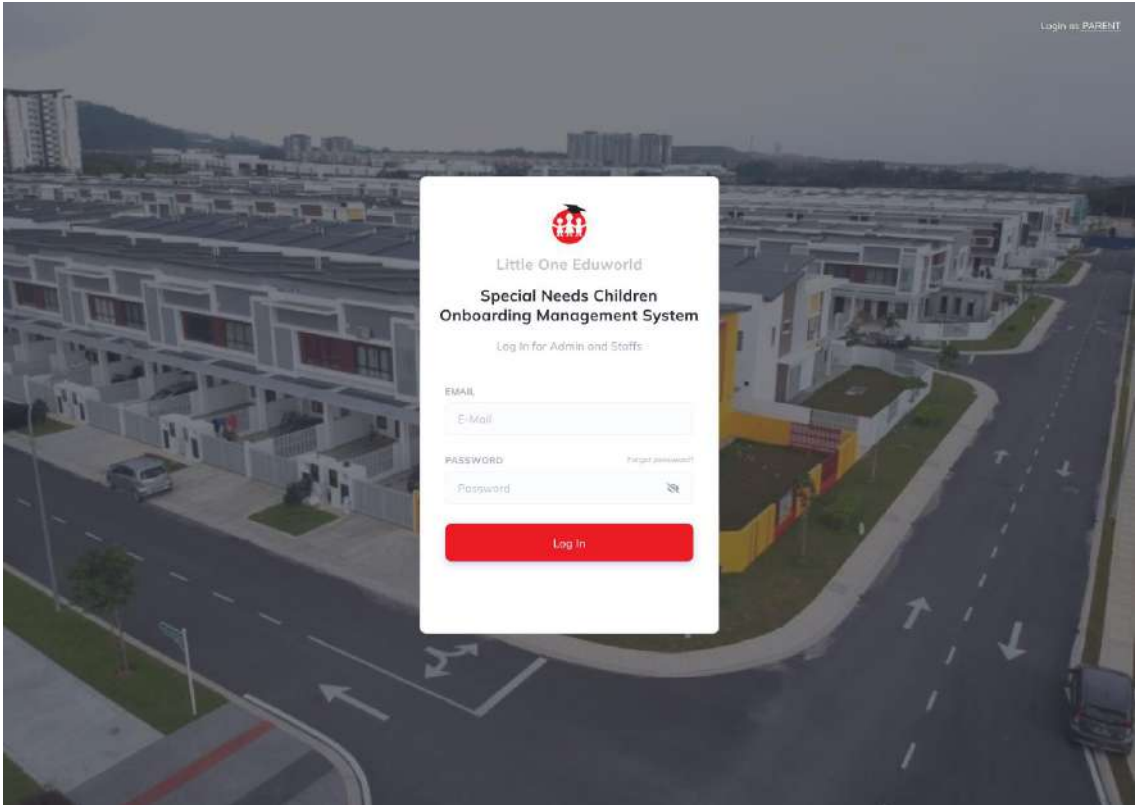
PTTEK GROUP
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 Email: info@pttek.com

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Appendix A. 34: Parent Initial Info report details page



Appendix A. 35: Login page Admin/LOE Staff



LOE Onboarding Management System

- Manage User
- Report
- Log out

Admin

Manage User

ADD USER

Email	Name	Phone Number	Gender	Address	Qualification	Position	Action
syahmie@gmail.com	SYAHMI BIN ABDULLAH	012-3456789	MALE	NO 1, JALAN K 1/2, SEKSYEN 1, 40200 SHAH ALAM, SELANGOR	NONE	PARENT	Edit Delete
ummi@gmail.com	UMMI BINTI HANAFI	012-3456789	FEMALE	NO 1, JALAN K 1/2, SEKSYEN 1, 40200 SHAH ALAM, SELANGOR	PhD	OT	Edit Delete
jue@gmail.com	JULIANA BINTI AMIN	012-3456789	FEMALE	NO 1, JALAN K 1/2, SEKSYEN 1, 40200 SHAH ALAM, SELANGOR	DEGREE	CONSULTANT	Edit Delete
syim@gmail.com	HASYIM BIN ANAS	012-3456789	MALE	NO 1, JALAN K 1/2, SEKSYEN 1, 40200 SHAH ALAM, SELANGOR	DEGREE	OT	Edit Delete
ira@gmail.com	SYIRA BINTI ALI	012-3456789	FEMALE	NO 1, JALAN K 1/2, SEKSYEN 1, 40200 SHAH ALAM, SELANGOR	DEGREE	STAFF	Edit Delete

Appendix A. 36: Manage User page

LOE Onboarding Management System

Manage User

Report

Log out

Admin

Manage User

Add User

NAME	PHONE NUMBER
<input type="text"/>	<input type="text"/>
GENDER	POSITION
<input checked="" type="radio"/> MALE <input type="radio"/> FEMALE	<input type="text"/>
EMAIL	HOME ADDRESS
<input type="text"/>	<input type="text"/>
QUALIFICATION	PASSWORD
<input type="text"/>	<input type="password"/>

ADD

Appendix A. 37: Add user page

LOE Onboarding Management System

Manage User

Report

Log out

Admin

Manage User

Edit Users

NAME	PHONE NUMBER
<input type="text" value="UMMI BIN HANAFI"/>	<input type="text" value="017-3496789"/>
GENDER	POSITION
<input checked="" type="radio"/> MALE <input type="radio"/> FEMALE	<input type="text" value="OT"/>
EMAIL	HOME ADDRESS
<input type="text" value="umm@gmail.com"/>	<input type="text" value="NO 1, JALAN K 1/2, SEKSYEN 1, SHAH ALAM 40200 SHAH ALAM, SELANGOR"/>
QUALIFICATION	PASSWORD
<input type="text" value="PHD"/>	<input type="password" value="Password"/>

SAVE

Appendix A. 38: Edit user page

LOE Onboarding Management System

Manage User

Report

Pre-screening

Appointment

Child Development Screening

IEP

Payment

Parent & Child Info

Parent Initial Info

Log out

Report

Admin

Pre-screening

No	CHILD	DATE	PROGRAMME TYPE	ACTION
1	SAKEENAH BINTI SYAHMI	01/01/2023	INCLUSIVE	View

Appendix A. 39: Pre-screening report list page Admin

LOE Onboarding Management System

Manage User

Report

Pre-screening

Appointment

Child Development Screening

IEP

Payment

Parent & Child Info

Parent Initial Info

Log out

Report

Admin

Pre-screening

NAMA: SAKEENAH BINTI SYAHMI

1. Apa yang ibu/bapa paling bimbang tentang anak?
Lorem ipsum dolor sit amet adipiscing
2. Dah pernah bawa anak jumpa elektroterapi?
Lorem ipsum dolor sit amet adipiscing
3. Ada diagnosis daripada doktor/terapis?
Lorem ipsum dolor sit amet adipiscing
4. Ada tingkah laku agresif, tantrum atau disruptif? *
Lorem ipsum dolor sit amet adipiscing
5. Anak boleh duduk diam di meja selama 10-15 minit? *
Lorem ipsum dolor sit amet adipiscing
6. Boleh faham satu langkah arahan? (Contoh: Aii duduk) *
Lorem ipsum dolor sit amet adipiscing
7. Bagaimana anak minta sesuatu? *
Lorem ipsum dolor sit amet adipiscing
8. Anak masih pakai popok? *
Lorem ipsum dolor sit amet adipiscing
9. Apa yang ibu/bapa ingatkan daripada LOE TCI?
Lorem ipsum dolor sit amet adipiscing
10. Apa yang anak sudah mampu lakukan? (Keamatan anak)
Lorem ipsum dolor sit amet adipiscing
11. Darimana ibu-bapa tahu mengenai kami?
Lorem ipsum dolor sit amet adipiscing

BACK

Appendix A. 40: Pre-screening report details page Admin

The screenshot displays the 'Report' section of the 'LDE Onboarding Management System' Admin interface. The left sidebar contains navigation options: Manage User, Report, Pre-screening, Appointment, Child Development Screening, IEP, Payment, Parent & Child Info, Parent Initial Info, and Log out. The main content area shows a table titled 'Appointment' with the following data:

No	TYPE	DATE	TIME	ACTION
1	PERJUMPAAN PERTAMA (P1)	01/01/2023	09:00 AM	CANCEL BOOK

Appendix A. 41: Appointment list page Admin

LOE Onboarding Management System

- Manage User
- Report
- Pre-screening
- Appointment
- Child Development Screening
- IEP
- Payment
- Parent & Child Info
- Parent Initial Info
- Log out

Report

Admin

Child Development Screening

No	CHILD	DATE	PIC	ACTION
1	SAKEENAH BINTI SYAHMI	01/01/2023	Psychologist: Ummil OT: Syim Consultant: Jue Penyelia: Ira	View

Appendix A. 42: Child Development screening report list page Admin & LOE staff

LOE Onboarding Management System

Manage User

Report

Pre-screening

Appointment

Child Development Screening

IEP

Payment

Parent & Child Info

Parent Initial Info

Log out

Report

Admin Admin


Child Development Screening

NAMA: SAKENAH BINTI SYAHMI TARIKH LAHIR: 30/01/2019

<p>TARIKH PENILAIAN: 1st Mac 2022</p> <p>UMUR SEMASA PENILAIAN STANDARD: 4 Tahun 5 Bulan 12 Hari</p> <p>MULA PEMERHATIAN: 16 Mac 2021</p>	<p>NAMA PENILAI: Psychologist Ummi Wan Roslina OT Syim Konsultan Jue Penyelia Ira</p>
<p>KEPUTUSAN DDST-II: Penilaian dibuat pada 1st Mac 2022 Umur masa dinilai: 4 Tahun 5 Bulan 12 Hari</p> <ol style="list-style-type: none"> i. Kemahiran Sosial-Kendiri Umur perkembangan: 4 Tahun Anak belum pandai bermain permainan berbentuk kad ii. Kemahiran Motor Halus Umur perkembangan: 3 Tahun 3 Bulan Anak mempunyai masalah melukis bentuk 'o'. 	<p>KEPUTUSAN SSP: Penilaian dibuat pada 22 Mac 2022</p> <ol style="list-style-type: none"> i. Kurang Tenaga/Lemah: Pasti Berbeza Mempunyai genggam tangan yang lemah. ii. Penapisan Pendengaran: Perbezaan yang Mungkin Kelihatan seperti tidak mendengar apa yang anda cakap. iii. Kepekaan Visual/Pendengaran: Perbezaan yang Mungkin Menutupi mata atau mengecilkan mata untuk melindungi mata daripada cahaya. <p style="font-size: 0.8em; margin-top: 5px;">Keseluruhan: Kemahiran sensori Anas adalah di tahap Perbuatan Biasa namun dia masih mempunyai sedikit masalah isu seperti di atas.</p>
<p>KEPUTUSAN GARS-2: Penilaian ini tidak dijalankan kerana belum sesuai dengan tahap perkembangan semasa APB.</p>	<p>KEPUTUSAN SHS: Penilaian ini tidak dijalankan kerana belum sesuai dengan tahap perkembangan semasa APB.</p>
<p>KEPUTUSAN BVMP: Penilaian ini tidak dijalankan kerana belum sesuai dengan tahap perkembangan semasa APB.</p>	<p>PEMERHATIAN TINGKAH LAKU: Anak tiada masalah tingkah laku baik di dalam kelas atau di luar kelas.</p>
<p>ULASAN MENYELURUH:</p> <ol style="list-style-type: none"> 1. Anak mempunyai masalah kurang tenaga/lemah. 2. Anak mempunyai masalah dalam penapisan pendengaran. 3. Anak mempunyai masalah dalam kepekaan visual/pendengaran. 4. Anak mempunyai masalah dalam kemahiran sosial-kendiri(belum pandai bermain permainan berbentuk kad) 5. Anak mempunyai masalah dalam kemahiran motor halus (anak mempunyai masalah melukis bentuk 'o'). 	

BACK

Appendix A. 43: Child Development screening report details page Admin & LOE staff

 LOE Onboarding Management System

- [Manage User](#)
- [Report](#)
- [Pre-screening](#)
- [Appointment](#)
- [Child Development Screening](#)
- [IEP](#)
- [Payment](#)
- [Parent & Child Info](#)
- [Parent Initial Info](#)
- [Log out](#)

Report

Admin

IEP

No	CHILD	START	END	PIC	ACTION
1	SAKEENAH BINTI SYAHMI	01/03/2023	01/06/2023	Psychologist: Ummil OT: Syim Consultant: Jue Penyelia: Ira	View

Appendix A. 44: IEP report list page Admin

LOE Onboarding Management System

Manage User

Report

Pre-screening

Appointment

Child Development Screening

IEP

Payment

Parent & Child Info

Parent Initial Info

Log out

Report

Admin

IEP

NAMA: SAKENAH BINTI SYAHBI TARIKH LAHIR: 20/01/2019 PROGRAM: INKLUSIF CENTRE: LOE GOMBAK TARIKH RPI: 01/03/2023 - 31/06/2023

BIL	LOE TERAPI	RANCANGAN PENDIDIKAN INDIVIDU	
	Terapi Cakarja (OT) DDST II I. Kemahiran Sosial-Kendiri Umur perkembangan: 4 Tahun Anak belum pandai bermain permainan berbentuk kad ii. Kemahiran Motor Halus Umur perkembangan: 3 Tahun 3 Bulan Anak mempunyai masalah melukis bentuk 'o'. SSP i. Kurang Tenaga/Lemah: Pasti Berbeza ii. Penapisan Pendengaran: Perbezaan yang Mungkin iii. Kepekaan Visual/Pendengaran: Perbezaan yang Mungkin	DDST II	
		GOL UNTUK DICAPAI DALAM MASA 3 BULAN	INTERVENSI DALAM MASA 3 BULAN
		Kemahiran Sosial-Kendiri: Anak bermain permainan berbentuk kad.	Kemahiran Sosial-Kendiri: Anak bermain permainan berbentuk kad UNO dengan memadankan kad ikut warna dan nombor pada bulan April. Anak bermain permainan berbentuk kad UNO secara betul dengan menggunakan kad bertema khas warna dan nombor sahaja pada bulan Mei. Anak bermain permainan berbentuk kad UNO secara betul dengan menggunakan segala jenis kad UNO.
		Kemahiran Motor Halus: Anak melukis bentuk 'o'.	Kemahiran Motor Halus: Latihan aktiviti membuat garisan bentuk 'o' di atas permukaan tekstur pelbagai pada bulan April. Latihan aktiviti membuat garisan bentuk 'o' menggunakan 'pen marker' atau krayon pada bulan Mei. Latihan aktiviti membuat garisan bentuk 'o' menggunakan pensil pada bulan Jun.
		SSP	
		GOL UNTUK DICAPAI DALAM MASA 3 BULAN	INTERVENSI DALAM MASA 3 BULAN
		Kurang Tenaga/Lemah: Mempunyai genggam tangan yang sederhana.	Intervensi Kurang Tenaga/Lemah i. Bermain doh pada bulan April. ii. Bermain Plastisin pada bulan Mei. iii. Bermain Theraputty biru pada bulan Mei

BACK

Appendix A. 45: IEP report details page Admin

LOE Onboarding Management System

Admin

Report

Payment

No	CHILD	DATE	FEE TYPE	TOTAL PAYMENT	ACTION
1	SAKEENAH BINTI SYAHMI	09/01/2023	CHILD DEVELOPMENT SCREENING TEST	RM 500	View

Manage User

Report

Pre-screening

Appointment

Child Development Screening

IEP

Payment

Parent & Child Info

Parent Initial Info

Log out

Appendix A. 46: Payment report list page Admin

The screenshot displays the 'Report' page in the LOE Onboarding Management System. The left sidebar contains navigation options: Manage User, Report, Pre-screening, Appointment, Child Development Screening, IEP, Payment (highlighted), Parent & Child Info, Parent Initial Info, and Log out. The main content area shows the following details:

FEE TYPE	NAME
CHILD DEVELOPMENT SCREENING TEST	SARKEENAH BINTI SYAHMI
TOTAL PAYMENT	DATE
RM 500	05/01/2023 10:31 AM
PAYMENT TYPE	ONLINE BANK-IN
BANK NAME	BANK ISLAM
REMARKS	NONE


A 'BACK' button is located at the bottom of the report details section.

Appendix A. 47: Payment report details page Admin

The screenshot displays the 'Report' section of the LOE Onboarding Management System. The left sidebar contains navigation options: Manage User, Report, Pre-screening, Appointment, Child Development Screening, IEP, Payment, Parent & Child Info (highlighted), Parent Initial Info, and Log out. The main content area shows a table titled 'Parent & Child Info' with the following data:

No	CHILD	PARENT	PROGRAMME	ACTION
1	SAKEENAH BINTI SYAHMI	SYAHMI BIN ABULLAH	INKLUSIF	View


Appendix A. 48: Parent Child Info report list page Admin & LOE staff



LOE Onboarding Management System

- Manage User
- Report
- Pre-screening
- Appointment
- Child Development Screening
- IEP
- Payment
- Parent & Child Info
- Parent Initial Info
- Log out

Report

Admin 

Parent Info

NAME SYAHMI BIN ABDULLAH	PHONE NUMBER 012-3456789
DATE OF BIRTH 17/01/1999	FAMILY RELATION Father
EMAIL syahmi@gmail.com	HOME ADDRESS NO 13, JALAN SANGKAR 19A, SEKSYEN 19, SHAH ALAM 40200 SHAH ALAM, SELANGOR
IC 990117100263	

Child Info

CHILDREN'S NAME SAKEENAH BINTI SYAHMI	PROGRAMME INCLUSIVE PROGRAMME
DATE OF BIRTH 20/01/2019	IC 190120100242
GENDER FEMALE	

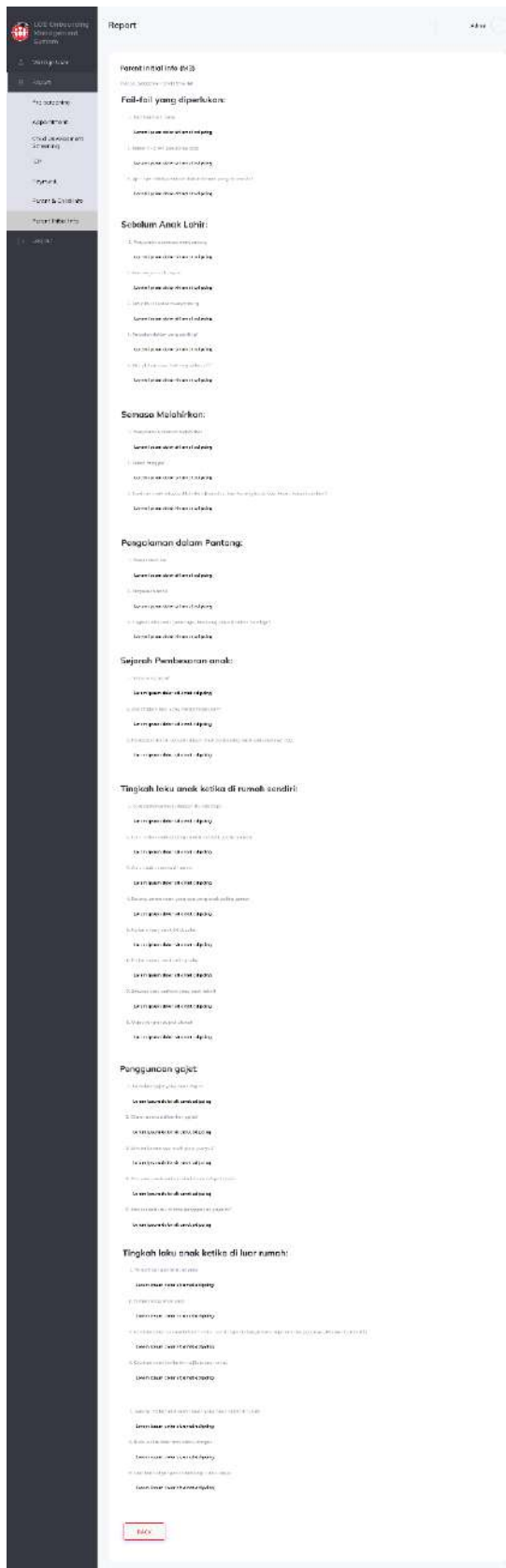
BACK

Appendix A. 49: Parent Child Info report details page Admin & LOE staff


The screenshot displays the 'Report' section of the LOE Onboarding Management System. The left sidebar contains navigation options: Manage User, Report, Pre-screening, Appointment, Child Development Screening, IEP, Payment, Parent & Child Info, Parent Initial Info (highlighted), and Log out. The main content area shows a table titled 'Parent Initial Info (M3)' with the following data:

No	CHILD	DATE	PROGRAMME TYPE	ACTION
1	SAKENAH BINI SYAHMI	01/01/2023	INCLUSIVE	View

Appendix A. 50: Parent Initial Info report list page Admin & LOE staff



Appendix A. 51: Parent Initial Info report details page Admin & LOE staff

 LOE Onboarding Management System

- [Manage IEP](#)
- [Pre-screening](#)
- [Appointment](#)
- [Report](#)
- [Child Development Screening](#)
- [Payment](#)
- [Parent & Child Info](#)
- [Parent Initial Info](#)
- [Log out](#)

Manage IEP

Staff

Child IEP

ADD IEP

No	CHILD	START	END	PIC	ACTION
1	SAKEENAH BINI SYAHMI	01/03/2023	01/06/2023	Psychologist: Ummi OT: Syim Consultant: Juei Penyelia: Ira	View Edit

Appendix A. 52: Manage child IEP page

LOE Onboarding Management System

Manage IEP

Pre-screening

Appointment

Report

Child Development Screening

Payment

Parent & Child Info

Parent Initial Info

Log out

Manage IEP

Staff

Child IEP

NAMA: SAKENAH BINTI SYAIBR TARIKH LAHIR: 20/01/2019 PROGRAM: INKLUSIF CENTRE: LOE COMBAK TARIKH BPI: 01/03/2023 - 01/06/2023

BIL	LOE TERAPI	RANCANGAN PENDIDIKAN INDIVIDU	
Terapi Carakerja (OT) DDST II i. Kemahiran Sosial-Kendiri Umur perkembangan: 4 Tahun Anak belum pandai bermain permainan berbentuk kad ii. Kemahiran Motor Halus Umur perkembangan: 3 Tahun 3 Bulan Anak mempunyai masalah melukis bentuk 'o'. SSP i. Kurang Tenaga/Lemah: Pasti Berbeza ii. Penapisan Pendengaran: Perbezaan yang Mungkin iii. Kepekaan Visual/Pendengaran: Perbezaan yang Mungkin	DDST II		
	GOL UNTUK DICAPAI DALAM MASA 3 BULAN	INTERVENSI DALAM MASA 3 BULAN	
	Kemahiran Sosial-Kendiri: Anak bermain permainan berbentuk kad.	Kemahiran Sosial-Kendiri: Anak bermain permainan berbentuk kad UNO dengan memadankan kad ikut warna dan nombor pada bulan April. Anak bermain permainan berbentuk kad UNO secara betul dengan menggunakan kad bertema khas warna dan nombor sahaja pada bulan Mei. Anak bermain permainan berbentuk kad UNO secara betul dengan menggunakan segala jenis kad UNO.	
	Kemahiran Motor Halus: Anak melukis bentuk 'o'.	Kemahiran Motor Halus: Latihan aktiviti membuat garisan bentuk 'o' di atas permukaan tekstur pelbagai pada bulan April. Latihan aktiviti membuat garisan bentuk 'o' menggunakan 'pen marker' atau krayon pada bulan Mei. Latihan aktiviti membuat garisan bentuk 'o' menggunakan pensil pada bulan Jun.	
		SSP	
GOL UNTUK DICAPAI DALAM MASA 3 BULAN	INTERVENSI DALAM MASA 3 BULAN		
Kurang Tenaga/Lemah: Mempunyai genggam tangan yang sederhana.	Intervensi Kurang Tenaga/Lemah i. Bermain doh pada bulan April. ii. Bermain Plastisin pada bulan Mei. iii. Bermain Theraputty biru pada bulan Mei		

BACK

Appendix A. 53: View Child IEP details page

LCE Onboarding Management System

- Manage IEP
- Pre-screening
- Appointment
- Report
- Child Development Screening
- Payment
- Parent & Child Info
- Parent Initial Info

Log out

Report

Add IEP

SARIPIN RUTH SYAHRI

DDST II

1. Objective

2. Intervention

SSP

1. Objective

2. Intervention

Terapi Modifikasi

1. Objective

2. Intervention

Terapi Ruqyah (individu)

1. Objective

2. Intervention

Terapi Akademik (individu)

1. Objective

2. Intervention

Terapi Fizikal

1. Objective

2. Intervention

Terapi Kemahiran Sosial

1. Objective

2. Intervention

Tingkah laku anak ketika di luar rumah:

1. Objective

2. Intervention

3. Uraian

4. Tarikh Mulai IEP

5. Tarikh Akhir IEP

CANCEL
ADD

Appendix A. 54: Add child IEP page

LOE Onboarding Management System

- Manage IEP
- Pre-screening
- Appointment
- Report
- Child Development Screening
- Payment
- Parent & Child Info
- Parent Initial Info

Log out

Report

Staff 0

Edit IEP

SARITERNAN RINTI SPANHM ▼

DDST II

1. Objectives
Lorem ipsum dolor sit amet adipiscing

2. Interventions
Lorem ipsum dolor sit amet adipiscing

SSP

1. Objectives
Lorem ipsum dolor sit amet adipiscing

2. Interventions
Lorem ipsum dolor sit amet adipiscing

Terapi Modifikasi

1. Objectives
Lorem ipsum dolor sit amet adipiscing

2. Interventions
Lorem ipsum dolor sit amet adipiscing

Terapi Ruqyah (individu)

1. Objectives
Lorem ipsum dolor sit amet adipiscing

2. Interventions
Lorem ipsum dolor sit amet adipiscing

Terapi Akademik (individu)

1. Objectives
Lorem ipsum dolor sit amet adipiscing

2. Interventions
Lorem ipsum dolor sit amet adipiscing

Terapi Fizikal

1. Objectives
Lorem ipsum dolor sit amet adipiscing

2. Interventions
Lorem ipsum dolor sit amet adipiscing

Terapi Kemahiran Sosial

1. Directives
Lorem ipsum dolor sit amet adipiscing

2. Interventions
Lorem ipsum dolor sit amet adipiscing

Tingkah laku anak ketika di luar rumah:

1. Objectives
Lorem ipsum dolor sit amet adipiscing

2. Interventions
Lorem ipsum dolor sit amet adipiscing

3. Utterances
Lorem ipsum dolor sit amet adipiscing

4. Terdiri Mula IEP
Lorem ipsum dolor sit amet adipiscing

5. Terdiri Akhir IEP
Lorem ipsum dolor sit amet adipiscing

CANCEL
SAVE

Appendix A. 55: Edit child IEP page

LOE Onboarding Management System

Manage IEP

Pre-screening

Appointment

Report

Child Development Screening

Payment

Parent & Child Info

Parent Initial Info

Log out


Report

Staff

Pre-screening

No	CHILD	DATE	PROGRAMME TYPE	ACTION
1	SAKEENAH BINTI SYAHMI	01/01/2023	INCLUSIVE	Update

Appendix A. 56: Pre-screening list page



LOE Onboarding Management System

- Manage IEP
- Pre-screening
- Appointment
- Report
- Child Development Screening
- Payment
- Parent & Child Info
- Parent Initial Info

Log out

Report

Staff

Pre-screening

NAMA: SAKENAH BINTI SYAHIB

1. Apa yang Ibu/bapa paling lmbang tentang anak?
 Lorem ipsum dolor sit amet adipiscing
2. Dah pernah bawa anak jumpa doktor/terapis?
 Lorem ipsum dolor sit amet adipiscing
3. Ada diagnosis daripada doktor/terapis?
 Lorem ipsum dolor sit amet adipiscing
4. Ada tingkah laku agresif, tantrum atau disruptif? *
 Lorem ipsum dolor sit amet adipiscing
5. Anak boleh duduk diam di meja selama 10-15 minit? *
 Lorem ipsum dolor sit amet adipiscing
6. Boleh faham satu langkah arahan? (Contoh: Ali duduk) *
 Lorem ipsum dolor sit amet adipiscing
7. Bagaimana anak minta sesuatu? *
 Lorem ipsum dolor sit amet adipiscing
8. Anak masih pakai pomper? *
 Lorem ipsum dolor sit amet adipiscing
9. Apa yang Ibu/bapa ingatkan daripada LOE TC?
 Lorem ipsum dolor sit amet adipiscing
10. Apa yang anak sudah mampu lakukan? (Keamatan anak)
 Lorem ipsum dolor sit amet adipiscing
11. Darimana ibu-bapa tahu mengenai kami?
 Lorem ipsum dolor sit amet adipiscing

PROGRAMME TYPE

-- Pilih --

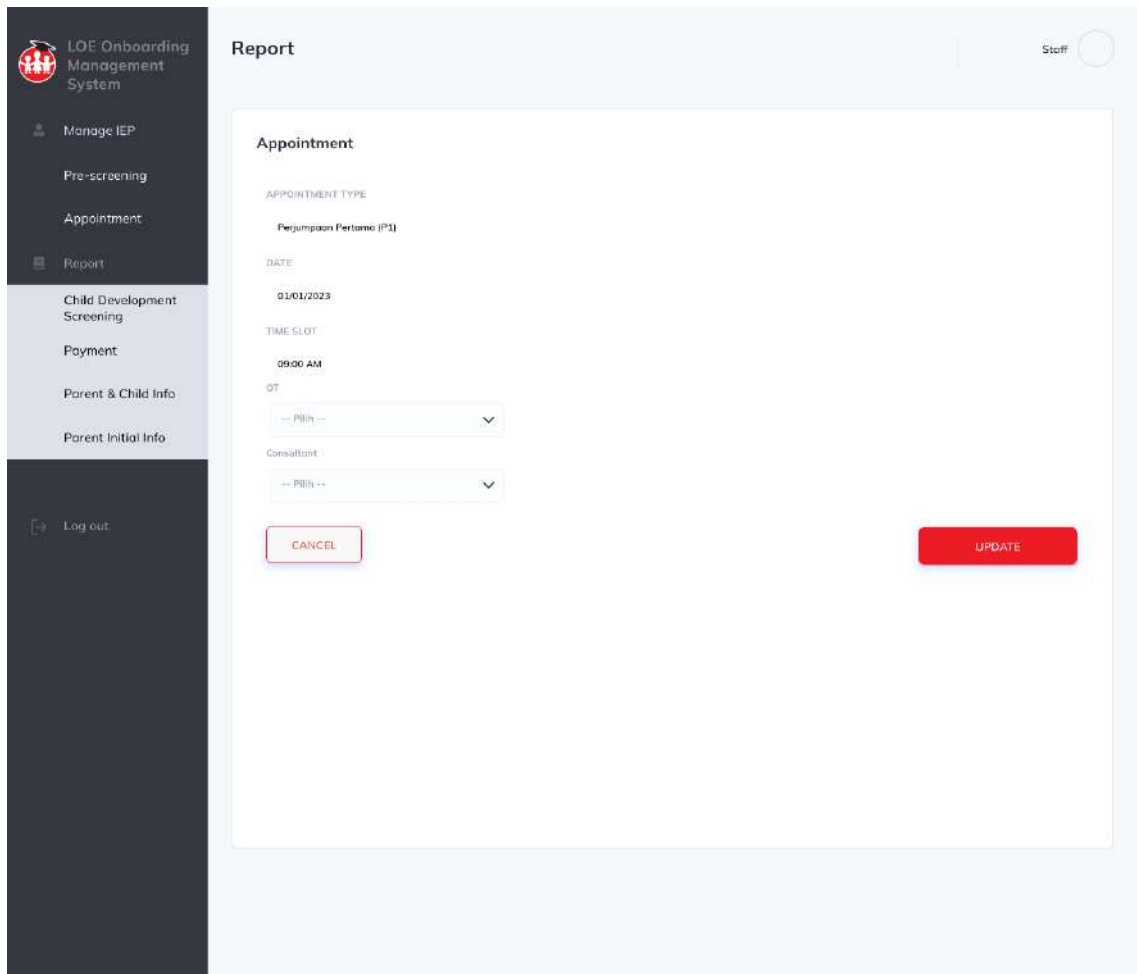
CANCEL
UPDATE

Appendix A. 57: Update programme type page

The screenshot displays the 'Report' section of the LOE Onboarding Management System. The left sidebar contains navigation options: Manage IEP, Pre-screening, Appointment, Report, Child Development Screening, Payment, Parent & Child Info, Parent Initial Info, and Log out. The main content area is titled 'Appointment' and features a table with the following data:

No	TYPE	DATE	TIME	ACTION
1	PERJUMPAAN PERTAMA (P1)	01/01/2023	09:00 AM	View

Appendix A. 58: Appointment list page LOE staff



Appendix A. 59: Assign Person in Charge for appointment page

APPENDIX B

No.	Module	Activities	Expected Result	Actual Result	Status		Comments
					Pass	Fail	
1	Register	Enter valid email format	Account successfully registered.	Account successfully registered.			OK
		Enter invalid email format	Error message displayed	Error message displayed			OK

		Click register button	Account successfully registered and receive email verification.	Account successfully registered and receive email verification.		OK
		Enter valid parent's name format	Account successfully registered.	Account successfully registered.		OK
		Enter invalid parent's name format	Error message displayed	Error message displayed		OK
		Enter different value in confirmation password input field with password input field	Error message displayed	Error message displayed		OK

		Enter same value in confirmation password input field with password input field	Account successfully registered.	Account successfully registered.		OK
		Enter valid IC number format	Account successfully registered.	Account successfully registered.		OK
		Enter invalid IC number format	Error message displayed	Error message displayed		OK. Error message displayed when user enter strings value. Need to display message box for duplicate input because IC number must be unique.
		Enter valid phone number format	Account successfully registered.	Account successfully registered.		OK

		Enter invalid phone number format	Error message displayed	Error message displayed		OK
		Enter input value for strings in any case	The input field will show uppercase only	The input field will accept uppercase only		It displayed in uppercase, but stored in lower case if the user key-in lower case alphabets.
2	Login	Enter valid email address	User successfully logged in.	User successfully logged in.		OK
		Enter invalid email address	Error message displayed	Error message displayed		OK
		Enter valid password	User successfully logged in.	User successfully logged in.		OK
		Enter invalid password	Error message displayed	Error message displayed		OK

		Login without an account	Error message displayed	Error message displayed		OK
3	Manage User System	Enter valid email format	Account successfully registered.	Account successfully registered.		OK
		Enter invalid email format	Error message displayed	Error message displayed		OK
		Enter valid user's name format	Account successfully added.	Account successfully added.		OK
		Enter invalid user's name format	Error message displayed	Error message displayed		OK
		Enter valid user's IC format	Account successfully added.	Account successfully added.		OK

		Enter invalid user's IC format	Error message displayed	Error message displayed			OK
		Enter valid user's qualification format	Account successfully added.	Account successfully added.			OK
		Enter invalid user's qualification format	Error message displayed	Error message displayed			OK
		Enter valid phone number format	Account successfully registered.	Account successfully registered.			OK
		Enter invalid phone number format	Error message displayed	Error message displayed			OK
		Delete respective user	Correct user deleted and message displayed	Correct user deleted and message displayed			OK

4	Manage Account and Profile	Enter valid name format	Successfully edited and message box displayed	Successfully edited and message box displayed		OK
		Enter invalid name format	Error message displayed	Error message displayed		OK
		Enter valid IC number format	Successfully edited and message box displayed	Successfully edited and message box displayed		OK
		Enter invalid IC number format	Error message displayed	Error message displayed		OK. Error message displayed when user enter strings value. Need to display message box for duplicate input because IC number must be unique.

		Enter valid phone number format	Successfully edited and message box displayed	Successfully edited and message box displayed		OK
		Enter invalid phone number format	Error message displayed	Error message displayed		OK
		Enter different value in confirmation password input field with password input field	Error message displayed	Error message displayed		OK
		Enter same value in confirmation password input field with password input field	Successfully edited and message box displayed	Successfully edited and message box displayed		OK
		Enter valid email address format	Successfully edited and message box displayed	Successfully edited and message box displayed		OK

		Enter invalid email address format	Error message displayed	Error message displayed			OK
		Enter valid child name (Parent)	Successfully edited and message box displayed	Successfully edited and message box displayed			OK
		Enter invalid child name format (Parent)	Error message displayed	Error message displayed			OK
		Enter valid child IC format (Parent)	Successfully edited and message box displayed	Successfully edited and message box displayed			OK
		Enter invalid child IC format (Parent)	Error message displayed	Error message displayed. But when user mistakenly add not unique IC number, improper error message displayed.			OK. Error message displayed when user enter strings value. Need to display message box for duplicate input

							because IC number must be unique.
		Delete respective child (Parent)	Correct child deleted and message displayed	Correct child deleted and message displayed			OK
5	Manage Pre-Screening	Display respective child name	Answer successfully store with correct id	Answer successfully store with correct id			OK Add "Asterisk (*)" for required input fields
		Update LOE child programme (Manager, Principal, OT)	Successfully updated and message box displayed	Successfully updated and message box displayed			OK
		Notify user after click on Submit button	Data stored and User received notification				Need to display a message box for and send email notification.

6	Manage Payment	Display correct value of total payment	Successfully pay	Successfully pay			OK Remarks input value need to change to enter receipt number/upload bank receipt
		Notify user after click on Pay button	Data stored and User received notification				Need to display a message box for and send email notification.
7	Manage Appointment	Notify user after click on Book button	Data stored and User received notification				OK
		Notify user after click on Update button	Data updated and User received notification	Data updated and message box displayed			OK. Message box displayed. Need to send email notification.

		View appointment list (Parent)	Display correct child data under parent id	Display correct child data under parent id			OK
		View appointment list (Admin)	Display correct all child data that book appointment	Display correct all child data that book appointment			OK
		Cancel respective appointment (Admin)	Correct data deleted and message displayed	Correct data deleted and message displayed			OK
		Cancel respective appointment (Parent)	Correct data deleted and message displayed	Correct data deleted and message displayed			OK
		Display respective child name	Answer successfully store with correct id	Answer successfully store with correct id			OK

		Display respective PIC name (Manager, Principal and OT)	Data successfully store with correct id	Data successfully store with correct id		OK Able to add more PIC.
8	Manage Child IEP	Add IEP	Data added into database	-		OK
		Edit IEP	Data updated in database and message displayed	-		OK
		Delete IEP	Data deleted from database and message displayed	-		OK
9	Manage Report	View Pre-Screening (M1)	Data displayed	Data displayed		OK Add generate report to PDF

		View Child Development Screening	Data displayed	-			OK Add generate report to PDF
		View IEP	Data displayed	-			OK Add generate report to PDF
		View Appointment	Data displayed	Data displayed			OK Add generate report to PDF
		View Payment	Data displayed	Data displayed			OK Add generate report to PDF
		View Parent & Child Info	Data displayed	-			OK. Add generate report to PDF

		View Parent Initial Info (M3)	Data displayed	-			OK Add generate report to PDF
10	Manage Parent Initial Info (M3)	Notify user after click on Submit button	Data stored and User received notification	-			Need to complete it as soon as possible
		Display respective child name	Answer successfully store with correct id	Answer successfully store with correct id			OK Add "Asterisk (*)" for required input fields
11	Manage Child Development (External system)	-	-	-	-	-	-

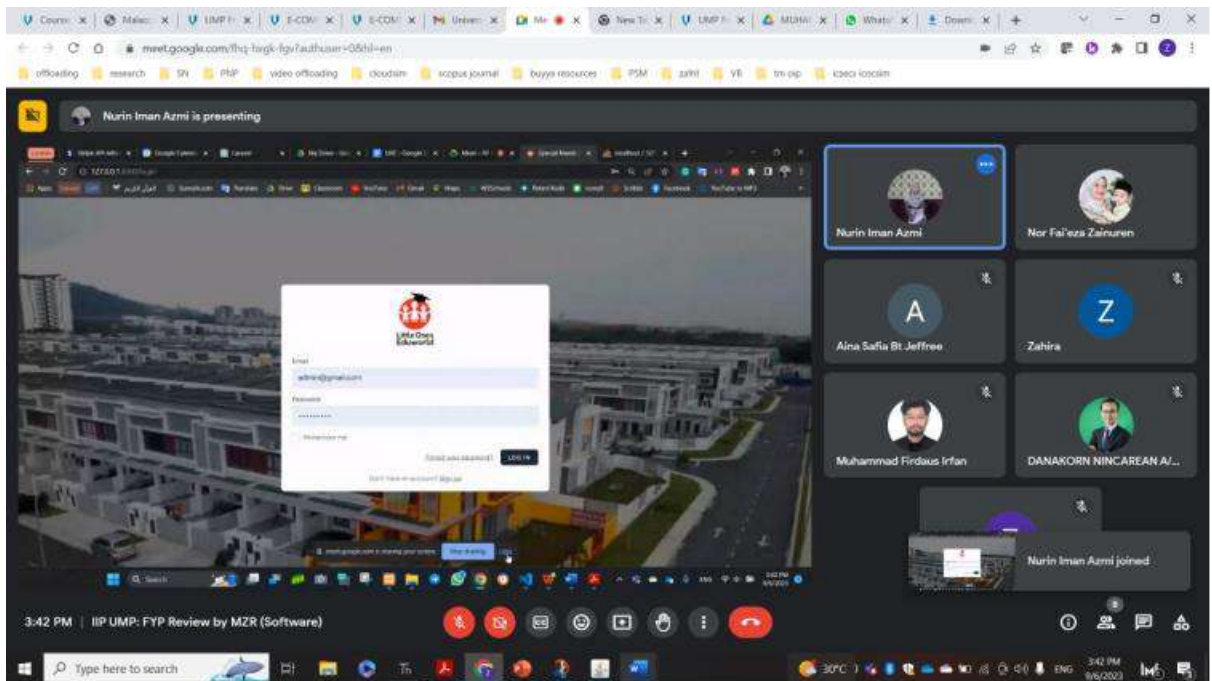
Appendix B. 1

Verified by:

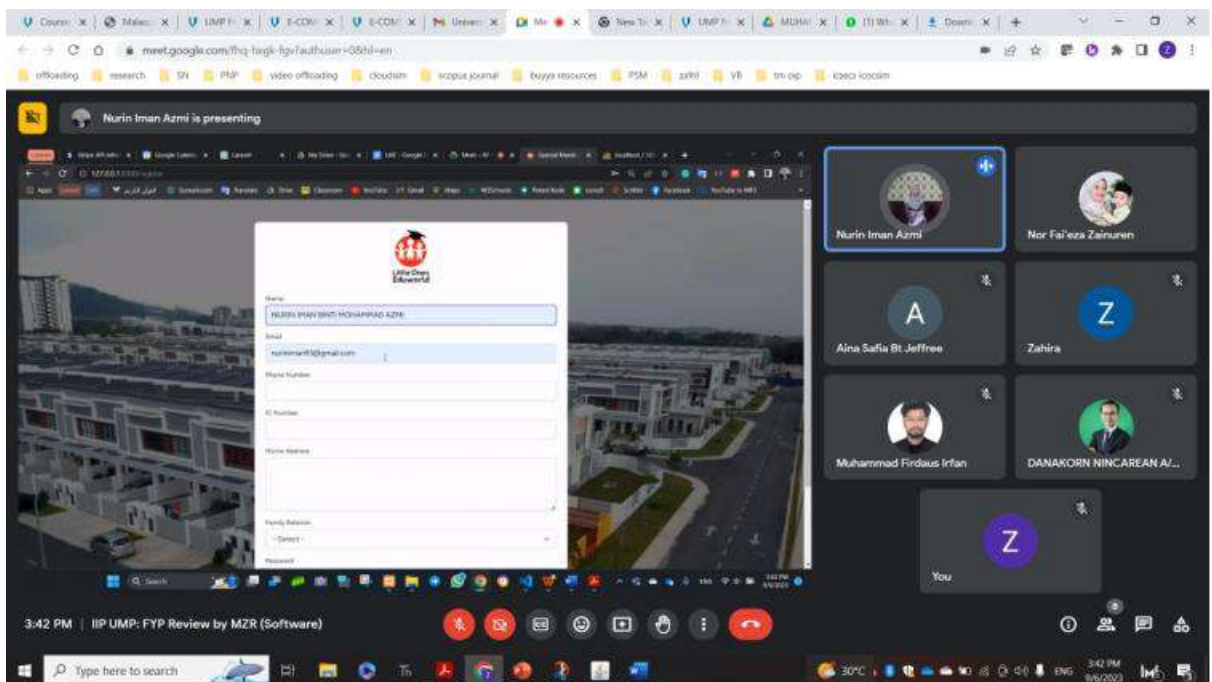
A handwritten signature in blue ink is written over a horizontal line. To the right of the signature is a circular official stamp in blue ink. The stamp contains the text 'MAGISTRAT' at the top, 'DISTRIC' in the center, and 'SINGAPORE' at the bottom, with a small star at the bottom center.

Name : Nor Fai'eza Binti Zainuren
Date : 09/06/2023

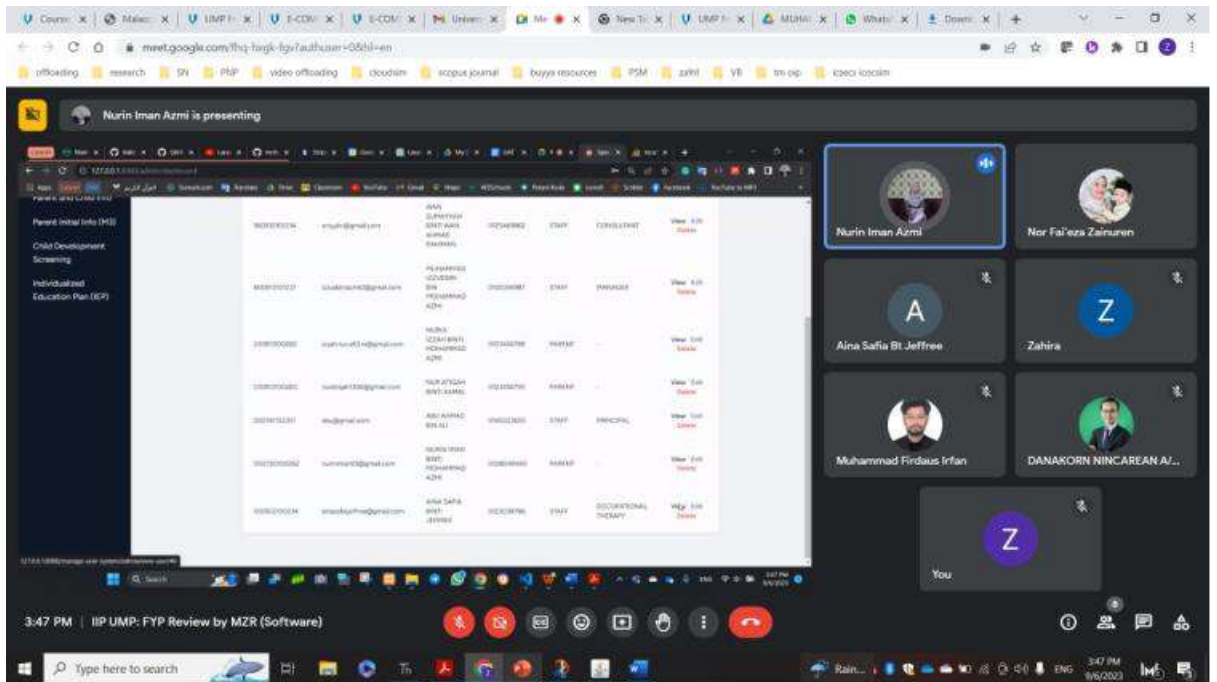
System Review with MZR Global Sdn.Bhd



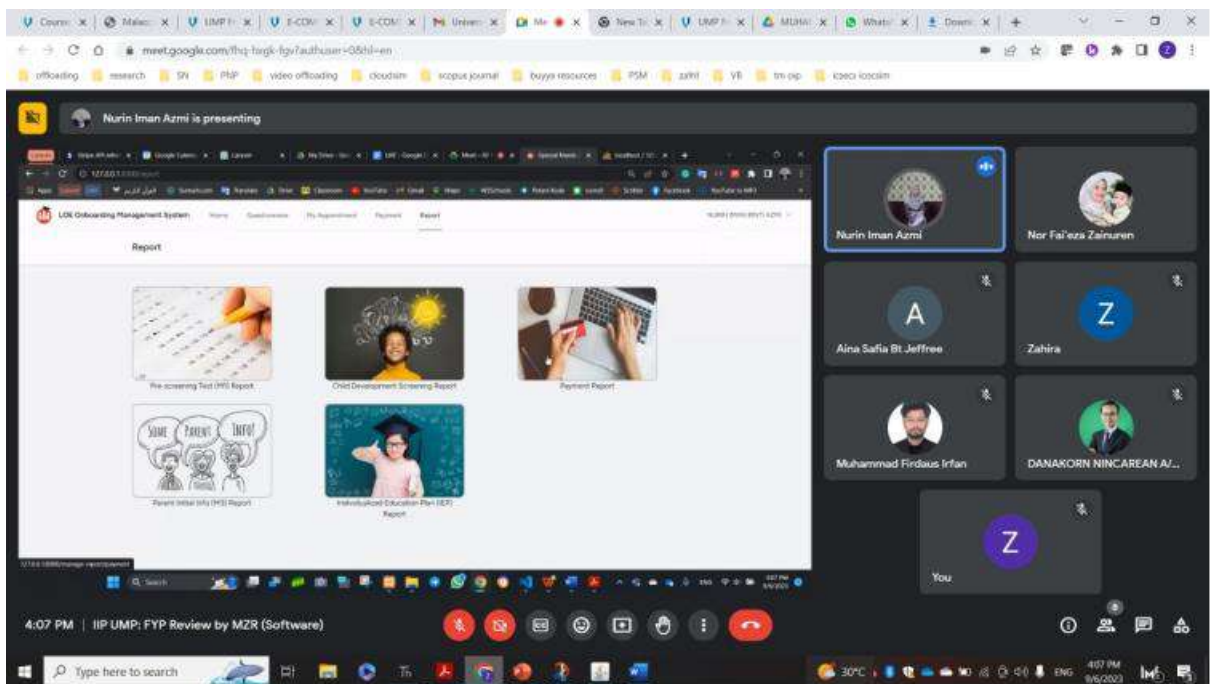
Appendix B. 2



Appendix B. 3



Appendix B. 4



Appendix B. 5