e-KHAIRAT SYSTEM

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e-KHAIRAT SYSTEM

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ABSTRACT

With the growth of technology, people nowadays prefer to find and use something that can help and make their daily life become easier. As a Muslim, we also need a system or a web-based system that can becomes a platform that will be able to manage for Muslim death which called e-khairat. Khairat derive from Arabic word which mean charity such as donation and so on. There are many types of khairat such as khairat that manage Muslim death in order to complete the demands of fardhu kifayah. This e-khairat system is develop in order to replace the existing manual system due to limitations of manual system. This objective of this e-khairat system is to develop a web-based system that will be able to manage Muslim death matters and update to the user for latest information about Muslim death. Rapid Application Development (RAD) is the methodology that been used to develop this system. This RAD consist of four stages or phases which are requirement planning stages, user design stages, rapid construction stages and transition stages. The proposed e-Khairat system is expected to inform and update the community about the Muslim death. In a nutshell, this e-Khairat system help to provides an efficient solution to manage this e-Khairat system.

ABSTRAK

Selaras dengan kemajuan teknologi masa kini, masyaratkat memilih untuk mencari dan menggunakan sesuatu yang dapat membantu dan menjadikan kehidupan seharian mereka lebih mudah. Sebagai orang Islam, kami juga meemerlukan sistem atau sistem yang berasaskan web yang boleh dijadikan platform untuk menguruskan kematian orang Islam yang dipanggil sebagai e-khairat. Khairat berasal daripada perkataan Arab yang membawa maksud kebajikan seperti derma, sedekah dan sebagainya. Terdapat pelbagai jenis khairat antaranya khairat kematian Khairat kematian bertujuan untuk menguruskan, memudahkan, dan membantu dalam aspek pengurusan jenazah orang Islam bagi menyempurnakan tuntutan fardhu kifayah. Sistem e-khairat ini dibangunkan untuk menggantikan kekurangan yang sedia ada pada sistem manual. Objektif sistem ini adalah untuk membangunkan suatu sistem yang berasaskan web yang mampu untuk menguruskan segala mengenai kematian orang Islam dan mengemaskini informasi mengenai kematian orang Islam kepada pengguna sistem. Pembangunan Aplikasi Rapid (RAD) adalah kaedah yang digunakan untuk membangunkan sistem ini. RAD ini merangkumi empat fasa atau peringkat iaitu peringkat perancangan keperluan, peringkat reka bentuk, peringkat pembinaan pesat, dan peringkat peralihan. Secara konklusinya, sistem ini memberikan penyelesaian yang efektif untuk menguruskan sistem e-Khairat ini.

TABLE OF CONTENT

TITLE PAGE

ACKNOWLEDGEMENTS **i**

ABSTRACT **ii**

ABSTRAK **iii**

TABLE OF CONTENT **iv**

LIST OF TABLES **vii**

LIST OF FIGURES **viii**

LIST OF ABBREVIATIONS **x**

CHAPTER 1 INTRODUCTION **11**

1.1 Background of Study 11

1.2 Problem Statements 12

1.3 Aim and Objectives 14

1.4 Scope 14

1.5 Significance 15

1.6 Thesis Organization 15

CHAPTER 2 LITERATURE REVIEW **17**

2.1 Introduction 17

2.2 Previous/Existing System 17

2.2.1 e-Khairat: Sistem khairat Kematian Penduduk Islam Qaryah Masjid Al-Faizin 18

2.2.2 e-Khairat: Sistem Khairat Kematian Masjid Kota Damansara 21

2.2.3 Khairat Kematian Surau Al-Ikhlas 23

2.3 Comparison between Existing Systems 26

CHAPTER 3 METHODOLOGY 27

3.1 Introduction 27

3.2 Methodology 27

3.2.1 Advantages of Rapid Application Development 28

3.2.2 Stages/Phases in Rapid Application Development 28

3.2.3 Modules 39

3.2.4 User Interface 40

3.3 Software and Hardware 41

3.4 Gantt Charts 42

CHAPTER 4 RESULTS AND DISCUSSION 44

4.1 Introduction 44

4.2 Implementation 45

4.3 User Interface Design 45

4.3.1 Homepage / Main page Page 46

4.3.2 Contact Information Page 47

4.3.3 Login Page 48

4.3.4 Sign up Page 48

4.3.5 Administrator Page 49

4.3.6 Member Page 53

4.4 User Manual 55

4.5 Advantages and Limitation of the Proposed e-Khairat 55

4.6 Strength, Weakness, and Challenge during Development Process 57

CHAPTER 5 CONCLUSION 58

5.1 Introduction 58

5.2 Discussion Based on User Acceptance Test (UAT) 58

5.3 Research Constraint 59

5.3.1 Constraints 59

5.3.2 Development Constraints 59

5.4 Future Work 60

REFERENCES 61

APPENDIX 1 storyboard 62

APPENDIX 2 er diagram 84

APPENDIX 3 User manual 85

APPENDIX 4 user acceptance test (uat) 92

LIST OF TABLES

Table 1.1	Summary of the problem statement	13
Table 2.1	Comparison between existing system	30
Table 3.1	Data Dictionary for table Announcement	38
Table 3.2	Data Dictionary for table Member Information	39
Table 3.3	Data Dictionary for table Claim	40
Table 3.4	Data Dictionary for table Fee	40
Table 3.5	Data Dictionary for table Money In	41
Table 3.6	Data Dictionary for table Money Out	41
Table 3.7	Data Dictionary for table Administrator	41

LIST OF FIGURES

Figure 2.1	Registration Module	23
Figure 2.2	Announcement Module	23
Figure 2.3	Information Module	24
Figure 2.4	Check ID Module	24
Figure 2.5	Main Page	26
Figure 2.6	Module	26
Figure 2.7	Background Image	27
Figure 2.8	Main Page	28
Figure 2.9	Role of team and calendar	28
Figure 2.10	How to report	29
Figure 3.1	Work Breakdown Structure	33
Figure 3.2	Context Diagram for e-Khairat System	35
Figure 3.3	Use Case Diagram for e-Khairat System	36
Figure 3.4	Dialogue Diagram for the member of e-Khairat System	37
Figure 3.5	Gantt Charts	46
Figure 3.6	Gantt Charts	47
Figure 4.1	Code is develop using Notepad++	49
Figure 4.2	Homepage	50
Figure 4.3	Contact Page	51
Figure 4.4	Login Page	52
Figure 4.5	Signup Page	53
Figure 4.6	Admin Main Page	53
Figure 4.7	Announcement Page for Admin	54
Figure 4.8	List of Member for Admin	55
Figure 4.9	Money in/out Process	55
Figure 4.10	Fee Process	56
Figure 4.11	Claim Process	56
Figure 4.12	Main Page for Member	57
Figure 4.13	Member Information	58
Figure 4.14	Fee Information	58
Figure 4.15	example of pop-up message to inform user	59
Figure 4.16	example of email that recall by this system	60

Figure 4.17 login interface which do not provided help link 60

LIST OF ABBREVIATIONS

RAD	Rapid Application Development
UD	User Design
JAD	Joint Application Design
RC	Rapid Construction
TR	Transition
HTML	Hypertext Markup Language
MySQL	My Structured Query Language
PHP	PHP Hypertext Preprocessor

CHAPTER 1

INTRODUCTION

1.1 Background of Study

With the growth of technology, people nowadays prefer to find and use something that can help and make their daily life become easier. As a Muslim, we also need a system or web-based system that can becomes a platform that will manage for Muslim death. Through this system, people will be able to know information that related with the Muslim death easily by using technologies such as mobile.

E-Khairat system is a web-based application that is proposed for Pertubuhan Khairat Kematian Gambang Damai. This is to help the community to manage Muslim death. This system will be developed to replace the manual system that has been used a long time ago in order to share and deliver information about Muslim death easily. Old or manual system that has been used before need to share and deliver information manual through a person. This process will take longer time for the information to be deliver. By using this e-khairat system, the information that need to deliver is faster. All the information about the Muslim death in the selected area will be view in this system. The data about the member will be stored and managed by using the e-Khairat web-based system. In order to view the data about the member, the user needs to register first. This is to ensure the privacy of the data.

In this e-Khairat web-based system, member also can view all the information in the announcement about the Muslim death easily. This show that this system helps to manage the Muslim death easily.

1.2 Problem Statements

This system will be developed due to the problem that occur when using manual system. When using manual system, user that want to be a member need to register manually by filling in the manual form. Unfortunately, the problem occurs when the administrator needs to key in the data that consists a large amount of user. The administrator needs to key in the data one by one into the system to register the user as member. This process will take longer time because a lot of data that need the administrator to key into the system. There is also a possibility for the administrator to key in the wrong data into the system.

Besides, when the user register using manual system which the data is save in the paper, the possibility of losing the user data is also high. When the data is loss, the user that already fill in the form to become a member need to fill in the form again. Manual system also lacks in terms or searching the information. Manual system needs more effort to find the document. The member also needs to find the information by their own or through others person. The member might not know anything that happen if there is no information from other person. The user will miss the latest information about the Muslim death that happen on that time. This show that, the manual system is lack of information. Table 1.1 shows the summary of problem statement.

Table 1.1 Summary of the problem statement

No	Problem	Description	Effect
1.	Fill in the form manually	The user needs to register as a member manually by fill in the form.	This will take long time for the administrator to key in all the data into the system that consist a large amount of user. There is also a possibility to key in the wrong data into the system.
2.	Loss of user data easily	The possibility of losing the user data is high.	Loss of user information. User need to fill in the form again in order to register as a member.
3.	Lack of information	The user does not know any information about the Muslim death easily.	The user will miss the latest information and user might not know anything that happen on that time.

1.3 Aim and Objectives

The main aim and objective of this project are:

i. To study the requirement on replacing the manual system to a web-based system for khairat management.

ii. To develop a web-based system that will be able to manage Muslim death matters and update for latest information.

iii. To test the khairat management using web-based system.

1.4 Scope

The e-khairat system will be developed for Pertubuhan Khairat Kematian Gambang Damai. The staff of Pertubuhan Khairat Kematian Gambang Damai will use this system as an administrator to store and manage all the data and information about the Muslim death. As the result, user can go through this system to register as a member and have an information about the Muslim death.

The target user of this system:

i. Pertubuhan Khairat Kematian Gambang Damai

   One of the staffs will use this system as an administrator to store and manage all the data in the database.

ii. Member

   The user will access this system by register as a member. The information about the member also can be update by the user.

iii. Public user

   The user can view this system to know the information about this system such as address, location, etc.

1.5 Significance

The significance of this project are:

i. Can reduce the time and energy to key in the data into the system.

ii. Help Pertubuhan Khairat Kematian Gambang Damai to store and manage all the data about Muslim death easily.

iii. Help to provide information about the Muslim death to the society in Gambang Damai.

1.6 Thesis Organization

This thesis consists five chapter which are:

Chapter 1: Introduction

Chapter 1 will be discussing about the introduction of the system. In this chapter, the background of the study about the system will be describe briefly in order to know the function of the system. Problem statement, aim and objectives, scope and significance of the system will be describe to make it more clear about the system that want to develop.

Chapter 2: Literature Review

Chapter 2 will discuss about literature review about this project. This chapter will be divided into two sub-review that require student to review and describe about the researches that have been conduct and the current project. The technique/method and technology that been used by the researcher also will be explain and describe briefly in this chapter.

Chapter 3: Methodology

Chapter 3 will be discussed about methodology such as the approach and framework for the project. Justification used, and software/hardware necessity will be explained.

Chapter 4: Implementation, Testing and Result Discussion

Chapter 4 will be discussing about the process that involve in the project will be documented. This chapter also will explain the designed for this project. The result analysis, and project limitation for this project also will be discuss in this chapter.

Chapter 5: Conclusion

Chapter 5 will be discussing about the conclusion of the overall project.

CHAPTER 2

LITERATURE REVIEW

2.1 Introduction

This chapter will discuss some of the related literatures regarding the field of study. Many e-Khairat system have been develop. Therefore, there are some solutions that have been identified, evaluated and tested in order to make system that easily to manage Muslim death. Most of the manual system has been computerized to enhance the efficiency of the process in order to keep the data save and to share information. Below are three of the selected work that has been reviewed:

i. e-khairat: Sistem khairat Kematian Penduduk Islam Qaryah Masjid Al-Faizin

ii. e-khairat: Sistem Khairat Kematian Masjid Kota Damansara

iii. Khairat Kematian Surau Al-Ikhlas

2.2 Previous/Existing System

Previous or existing system allow to generate an idea to make improvement in order to develop a better and efficient system. Interface and content of the system is one of the parts that can be improving to make the system more user-friendly.

2.2.1 e-Khairat: Sistem khairat Kematian Penduduk Islam Qaryah Masjid Al-Faizin

e-Khairat: Sistem Khairat Kematian Penduduk Islam Qaryah Masjid Al-Faizin is designed to record the information about the Khairat Penduduk Islam Qaryah Masjid Al-Faizin. It comes with the simple and user- friendly interface to make user easily use this system. To use this system, user need to register first, and the registration need to be approved by the staff of Badan Khairat Penduduk Islam. In order to register, user need to key in the member ID and also member password. To get the member ID, the user needs to click 'Semak No Ahli' and need to key in name and type the word that show below. After that, the user will get the member ID in order to make a registration as a member.

Sistem Khairat Kematian Penduduk Islam Qaryah Masjid Al-Faizin was developed based on certain modules which are registration, information, death, announcement, converted calendar and also 'kuliah' information. Registration modules in this system allow user to register as a member of the system. In order to register as a member, the user will be given a member ID that is generate when the user key in the name and a type the given word. Information modules will view the number of visitors of this system until today.

In the death modules, it will view the detail of information about the person death such as member name, name of next-of-kin, relationship and also date of death. Announcement modules will view the new update of the system. This will help the user to know the new information that the need to know. This system process in the same interface which mean the action yield at the same result in order to show the consistency of this system (Galitz, 2007).

Figure 2.1 shows the registration module in the Sistem Khairat Kematian Penduduk Islam Qaryah Masjid Al-Faizin. In this module, user need to enter member ID and password to log in into the system.

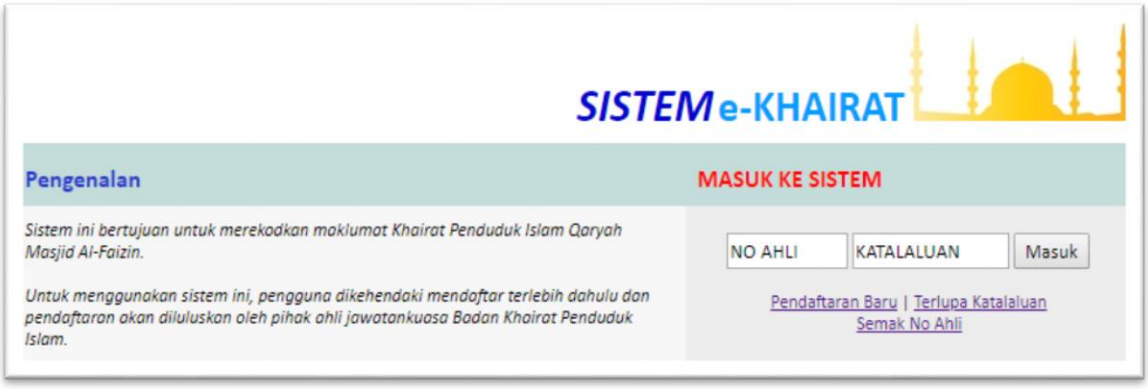


Figure 2.1 Registration Module

As shown in Figure 2.2, announcement module in this system will view the latest announcement and user can see the previous announcement. However, when the user moves the cursor toward the link, the colour of the link do not change. This will make the user do not know whether the user already click the link or not.

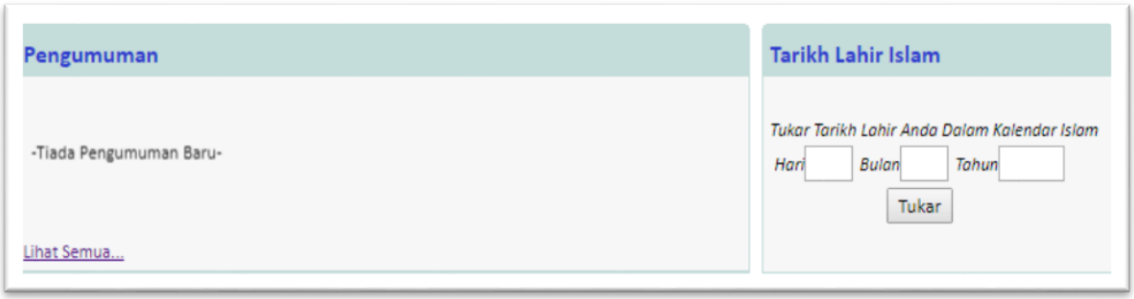


Figure 2.2 Announcement Module

Figure 2.3 shows the information module in this system. The information module views the number of visitors that visit this system.

Figure 2.3 Information Module

As shown in Figure 2.4, to check the user ID number, user need to key in the name and rewrite the word that provided.

Figure 2.4 Check ID Module

2.2.2 e-Khairat: Sistem Khairat Kematian Masjid Kota Damansara

e-Khairat: Sistem Khairat Kematian Masjid Kota Damansara is developed for member of Khairat Kematian Masjid Kota Damansara. This khairat content module such as registration. In order to use this system, the user need to register first. This e-khairat system contain announcement section in the system. Announcement in this system will help to provide information to the user of this system. Information about the death also is provided in this system. Member name, family name, relationship and also date of death will appear in the information. This will help the other member to know the family of the death person in order to help. This e-khairat also used a different colour to group different things such as announcement in orange colour, information in green colour and registration used blue colour. The number of viewers in this system also can be known.

However, this system was developed based on three main colour which are orange, blue and green. The colours that used is too strike. It is not suitable for the system to use that kind of colour because choosing a colour need to be effective and smart in terms of unifying the system ("Chapter 7 Color and Graphics," n.d.). The improperly used of colour also may distracting the viewer and interfering from getting the information (Galitz, 2007). The colour that used should help the user to understand the content and information in the system (Paap, 2001).

Background image that used in this system is also not suitable. User may have a difficulty in order to read the information. The colour of text that use in system also not clear for the user to read it. The background image that use must be subtle to the text on the top of it by consider the background colour (Galitz, 2007). Figure 2.5 below show the main page of this e-khairat system, while figure 2.6 below show the module and figure 2.7 below show the background image that this system used.

Figure 2.5 shows the main page of this Sistem Khairat Kematian Masjid Kota Damansara.

Figure 2.5 Main Page

Figure 2.6 shows the module that content in this e-khairat system which consists of announcement module, log in module and latest update about the Muslim death.

Figure 2.6 Module

Figure 2.7 shows the background image that being used by this e-khairat system.

Figure 2.7 Background Image

2.2.3 Khairat Kematian Surau Al-Ikhlas

Khairat Kematian Surau Al-Ikhlas can be found in the Surau Al-Ikhlas website. This khairat content module such as organization of Khairat Kematian Surau Al-Ikhlas, role of each team, how to inform, how to register etc. This system also provided a calendar in the right side of system.

However, all the content in this khairat system only to inform and as information to the viewer. This khairat only can be view. This system did not involve the user action such as register, delete, update etc. The user did not have the freedom to control the system. According to the Nielsen's Ten Heuristics (1999) that a good user interface will allow user to control the system and have freedom (Nieminen, 1997). The interface of this system also is simple. To have a good user interface, the system should be attractive to catch the user attention. Figure 2.8, 2.9 and 2.10 below show the content that this system provided.

Figure 2.8 shows the main page of this khairat system.

Figure 2.8 Main Page

In the figure 2.9 shows the role of each team and calendar in the khairat system.

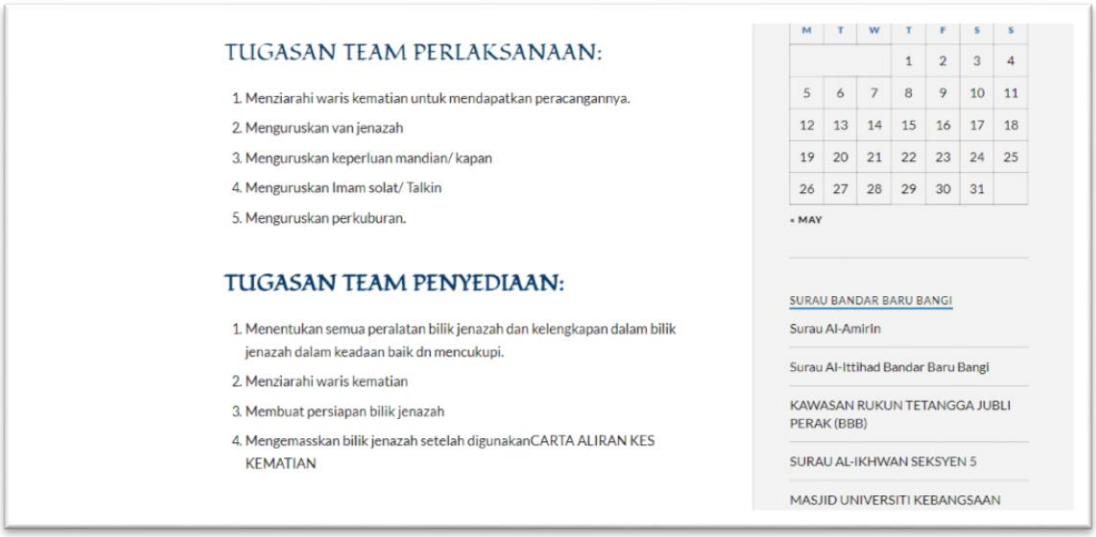


Figure 2.9 Role of team and calendar

Figure 2.10 shows the way how to report the Muslim death.

Figure 2.10 How to report

2.3 Comparison between Existing Systems

Table 2.1 shows the comparison between the existing systems in the term of features.

Table 2.1 Comparison between existing system

Features	Sistem Khairat Kematian Penduduk Islam Qaryah Masjid Al-Faizin	Sistem Khairat Kematian Masjid Kota Damansara	Khairat Kematian Surau Al-Ikhlas
Types of application	Web-based system	Web-based system	Portal
Number of visitors	This system content the number of visitors	This system content the number of visitors	This system did not content the number of visitors
Calendar	No	No	Yes
Announcement	This system content the announcement	This system content the announcement	This system did not have provide an announcement
List of Death	Yes	Yes	No
Information in the system	The information that content in this system are list of committee member, member's form, the information about the system and amount of payment.	The information that content in this system are the list of committee member and their contact number.	The information that content in this system are list of organization team and task each of team, list of contact, and information about the fee and donation

CHAPTER 3

METHODOLOGY

3.1 Introduction

This chapter discusses the methodology that will be implemented in developing E-Khairat. This is needed in order to make sure the system will be developed within the time constraint. In this chapter, the technique, tools and instrument that will be used will be discussed in detail. To be more specific, methodology is kind of documentation that discusses all the procedure, technique, tools and instrument that will be used in this development. For this system, the methodology technique uses in developing the system is Rapid Application Development (RAD). This type of software development methodology that develop the application in short duration time while reducing the costs but still maintain the quality (Development, Do, Need, History, & Aspects, 2000). Further explanation will be discussed in this chapter later on.

3.2 Methodology

According to the first published book by James Martin in 1991, Rapid Application Development (RAD) is defines as high quality system, fast duration and low costs (Beynon-Davies, Carne, Mackay, & Tudhope, 1999). According to James Martin also "Rapid Application Development (RAD) is a development lifecycle designed to give much faster development and higher-quality results than those achieved with the

traditional lifecycle. It is designed to take the maximum advantage of powerful development software that has evolved recently." (Development et al., 2000).

According to Online Knowledge also Rapid Application Development is defines as "a methodology that enables organizations to develop strategically important systems faster while reducing development coasts and maintaining quality." (Development et al., 2000). The function and component of Rapid Application Development (RAD) is develop in parallel as in mini project. The development are time boxed, delivered and then assembled into working prototype.

3.2.1 Advantages of Rapid Application Development

The advantages of Rapid Application Development (RAD) is short duration time to develop and decrease the time to deliver. This can be view when each iteration in RAD is divided into a module in order to reduce the entire time for project. Therefore, RAD encourages to use modern technology and also management technique. Besides, RAD increase the quality of the development process because as key objective of Rapid Application Development.

Encourage the customer feedback is also one of the advantage RAD. Customer feedback in every stage is valuable. This evaluation is crucial stages in the development cycle in order to make sure the development process is success. Next, integration form the very beginning help to solve a lot of integration issues. There is also possibility in order to detect the lesser issues due to the very beginning of integration. Lastly, RAD provide flexibility. A greater flexibility is providing as the redesign process is done according to the developer.

3.2.2 Stages/Phases in Rapid Application Development

The structure of this RAD lifecycle is design to make sure that the developer develops the system that fulfil the user requirement and need. Therefore, those stage or phase requirement are needed to ensure that the system develop successfully.

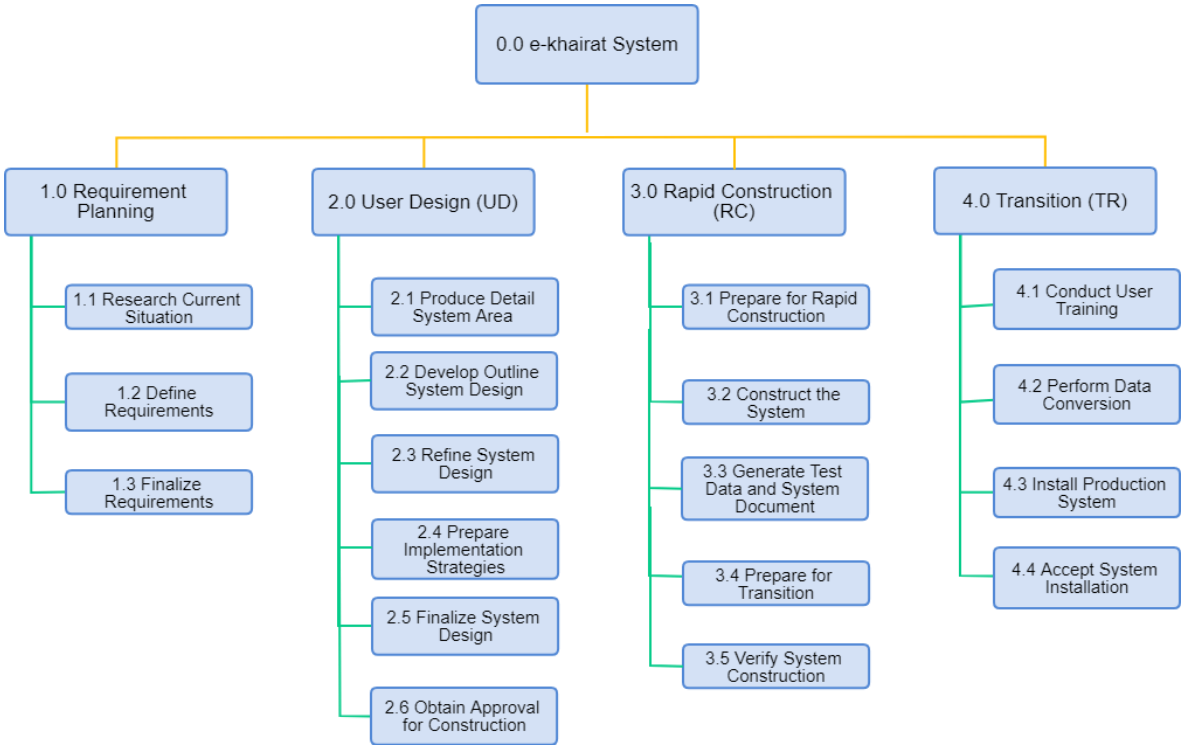


Figure 3.1 Work Breakdown Structure

Figure 3.1 show the Work Breakdown Structure of the phases or stages in Rapid Application Development in order to develop this e-khairat system.

3.2.2.1 Requirements Planning

The objective of this requirements planning stage is to establish the understanding of the objective of the development project and familiar with the existing similar system. In requirements planning stage or also known as Concept Definition Stage (Development et al., 2000), need to define the system's scope. This need to be discuss along with the customer in the meeting in order to proceed with the development process. During this stage, the definition of this system's scope will be developed. Therefore, Research Current Situation, Define the Requirements and Finalize the Requirement are the task that need to be done in this stage.

In this Research Current Situation task, the information about the current situation from the previous existing system that similar with this e-khairat system will be investigated and collected. This initiative will help to familiar with the system by looking at the same existing system. Then, the scope and objective of this e-khairat system will

be develop in Define the Requirement task. After that, in Finalize the Requirement task, the scope that was develop for this e-khairat system will be documented.

3.2.2.2 User Design (UD)

User Design (UD) stage is also known as Functional Design Stage. During the user design stage, the end users will participate in Joint Application Design (JAD) workshops to generate the analysis and activities design. Objective of this User Design stage is to discuss more detail the related activities with the system and discuss more detail all the data that related with the system. The task that need to be done in this stage are Produce Detailed System Area, Develop Outline System Design, Refine System Design, Prepare Implementation Strategies, Finalize System Design and lastly, Obtain Approval for Construction.

In the Produce Detail System Area task, all the detail about this e-khairat system will be produced. All the interaction and data in this e-khairat system will be identified in the Develop Outline System Design task by using context diagram that shown in Figure 3.2.

The context diagram of overall system in e-Khairat System is shows in Figure 3.2. The function of this context diagram is to show the interaction between the user, normal user which is visitor and the administrator with the system.

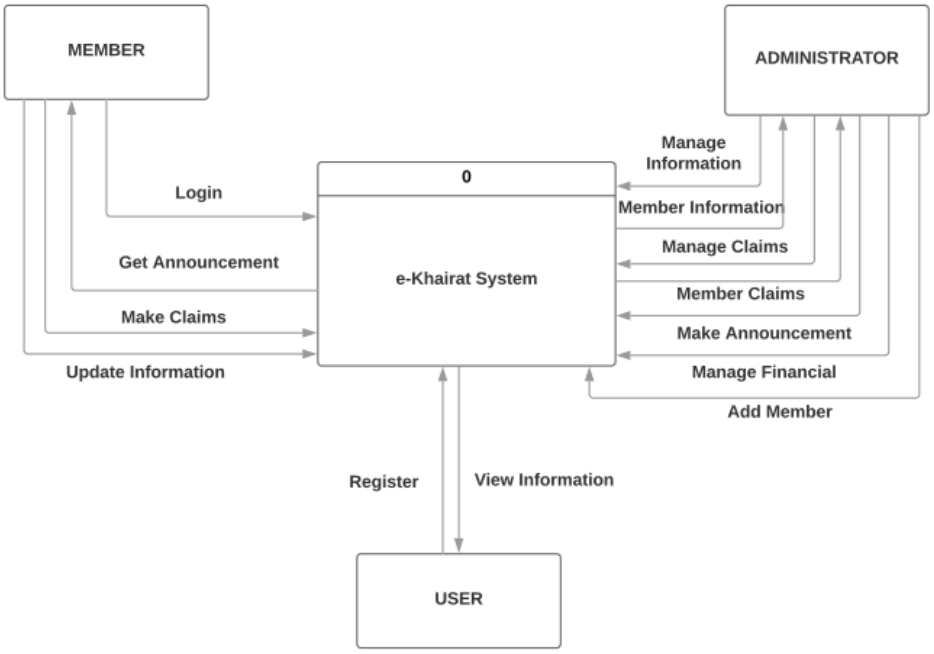


Figure 3.2 Context Diagram for e-Khairat System

In the Refine System Design task, use case diagram in Figure 3.3 is used in order to show the interaction between the function and data with user and admin of e-khairat system. This will help to identify any missing functions in this system.

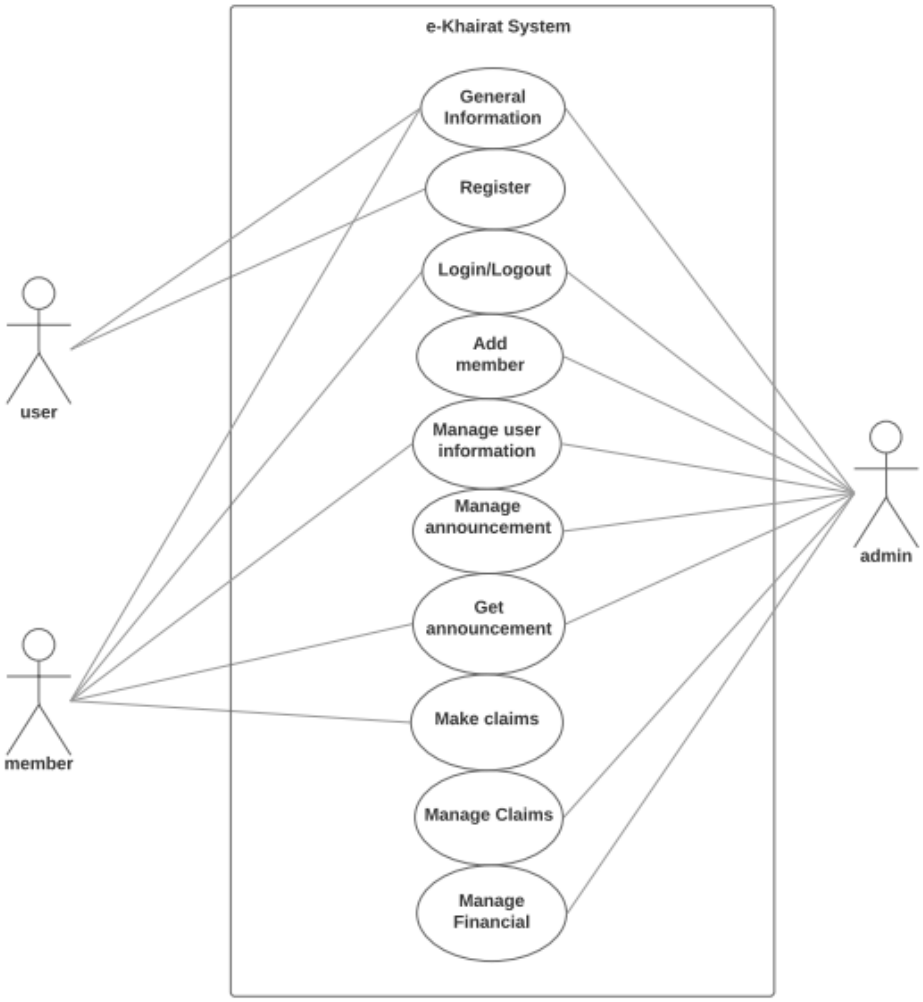


Figure 3.3 Use Case Diagram for e-Khairat System

Figure 3.3 shows the use case diagram for e-Khairat system. This use case diagram is uses to ensure that the function of this system and the requirement are same. Member in this system can interact with general information, login/ logout, manage user information, get announcement, and make claims. While admin in this system can interact with general information, login/logout, add member, manage and get announcement, manage claims and manage financial. The normal user of this system can only interact with general information and register as a member.

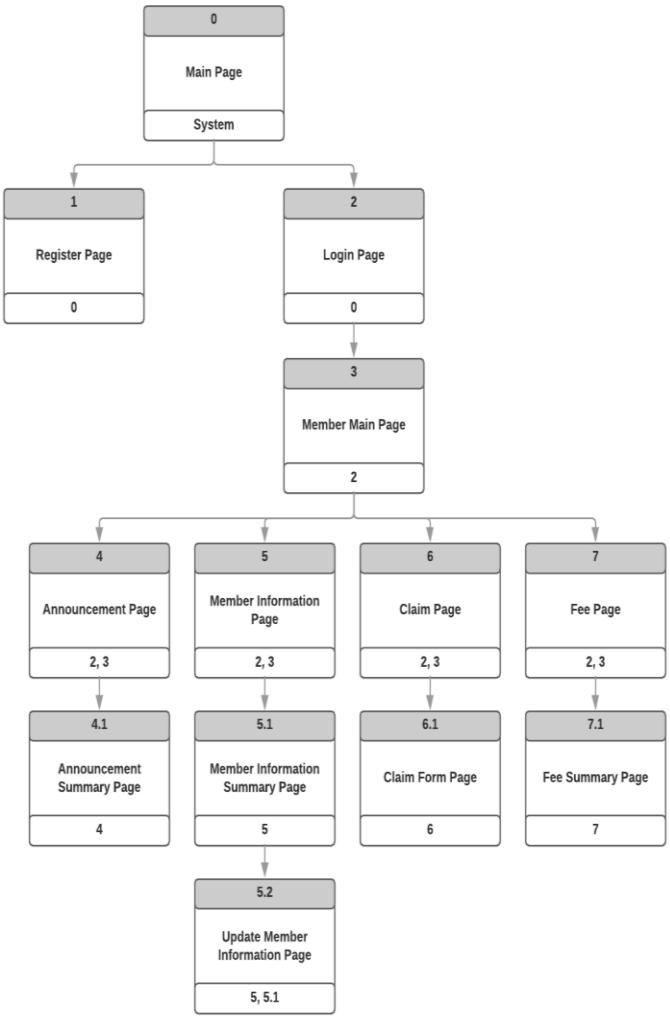


Figure 3.4 Dialogue Diagram for the member of e-Khairat System

Figure 3.4 show the dialogue diagram for the user that already register as a member of this e-khairat system. This dialogue diagram is used to show the sequence of interaction between the user and also this e-khairat system. During this task also, the prototypes of each screen or also known as storyboard of this e-khairat system is developed. Refer to Appendix 1 for more detail about the storyboard.

3.2.2.3 Rapid Construction (RC)

Rapid Construction (RC) Stage is also known as Development Stage. In this stage, the initial detail in the UD stage will be complete in this stage, the application that need to be implement will be develop and tested. The task that need to be complete in this stage are Prepare for Rapid Construction, Construct the System, Generate Test Data and System Documents, Prepare for Transition, and Verify System Construction.

In Prepare for Rapid Construction task, the database of this e-khairat system will be designed based on the information from User Design (UD) stage. Table 3.1 until table 3.6 shows all the data dictionary of this e-khairat system. The detail of every function in e-khairat system is completed according to requirement in Construct the System task. In Generate Test Data and System task, all the document that explain how to use this e-khairat system will be produce for the user that known as User Manual. Refer to Appendix 2 for the ER Diagram.

Table 3.1 Data Dictionary for table Announcement

Field Name	Description	Data Type	Constraint
id	Announcement ID	Int(11)	PK
tajuk	Announcement Title	Varchar(50)	
tarikh	Announcement Date	Date	
keterangan	Announcement Detail	Varchar(300)	

Table 3.2 Data Dictionary for table Users

Field Name	Description	Data Type	Constraint
id	User ID	Int(11)	PK
email	User Email	Varchar(50)	
password	User Password	Varchar(50)	
type	Type of User	Varchar(50)	
nama	User Name	Varchar(100)	
noKP	User IC Number	Varchar(100)	
notel	User Phone Number	Varchar(20)	
alamat	User Address	Varchar(100)	
jantina	User Gender	Varchar(10)	
tlahir	User Date of Birth	Date	
pekerjaan	User Occupation	Varchar(50)	
namawaris	Next-of-kin Name	Varchar(100)	
hubungan	Next-of-kin Relationship	Varchar(20)	

Table 3.3 Data Dictionary for table Claim

Field Name	Description	Data Type	Constraint
id	Claim ID	Int(11)	PK
nama	Title of Claim	Varchar(30)	
tarikh	Date of Claim	Date	
jenis	Type of Claim	Varchar(20)	
jumlah	Total amount of Claim	float	
sijil	Claim Proof	Varchar(200)	
id	User ID	Int(11)	FK

Table 3.4 Data Dictionary for table Fee

Field Name	Description	Data Type	Constraint
id	Fee ID	Int(11)	PK
nama	User Name	Varchar(30)	
email	User Email	Varchar(100)	
tarikh	Fee date	Date	
jumlah	Total Amount of Fee	Float	
keterangan	Fee Detail	Varchar(500)	
bukti	Fee Proof	Varchar(200)	
id	User ID	Int(11)	FK

Table 3.5 Data Dictionary for table Money In

Field Name	Description	Data Type	Constraint
id	Money In ID	Int(11)	PK
cara	Way of Money In	Varchar(30)	
tarikh	Money In Date	Date	
keterangan	Money In Detail	Varchar(500)	
jumlah	Money In Total	Float	

Table 3.6 Data Dictionary for table Money Out

Field Name	Description	Data Type	Constraint
id	Money Out ID	Int(11)	PK
cara	Way of Money Out	Varchar(30)	
tarikh	Money Out Date	Date	
keterangan	Money Out Detail	Varchar(500)	
jumlah	Money Out Total	Float	

Table 3.7 Data Dictionary for table Administrator

Field Name	Description	Data Type	Constraint
id	Admin ID	Int(11)	PK
email	Admin Email	Varchar(50)	
password	Admin Password	Varchar(50)	

3.2.2.4 Transition (TR)

Transition (TR) stage is also known as Deployment Stage. In this stage, the developed in Rapid Construction (RC) stages become a operational in this Transition (TR) stage. The objective of this stage is to install the system in production operation. During this stage, the existing data is uses to operate the new system. The task for Transition (TR) are Conduct User Training, Perform Data Conversion, Install Production System and Accept System Installation.

In Conduct User Training task will be manage by the admin of this e-khairat system to instruct the user how to be a member and to use the system. The existing data that already have from manual system will be applied or converted into the new system to complete the Perform Data Conversion task. In Install Production System task, after the accommodation is made, the admin of this e-khairat system will receive the installation system in order to use the system. In Accept System Installation tasks, is based on the agreements among the user, the stakeholders, pricing policies, procedures, warranty agreement and also systems documentation.

3.2.3 Modules

The system that will develop is a web-based application that will help the community to manage the Muslim death. Modules is part or functionality that have in this system. For this e-Khairat system, the modules for user that have are registration, log in, member information and fee.

Registration module contain the form that need the user to fill in, in order to be a member. All the information needs to fill in according to the instruction that provide. This registration process will need the administrator approval to be a member. For the log in module, the user can log in into the system if they already register and approve by the admin to be a member. In the log in module, the member needs to enter the email and password that they already create. If the user forgot the password, there is a link that user can click to help solve the problem that the user face.

In the member information module, all the information about the user will be view in this module. The information in this module are all information that the user key in while fill in the registration form. Only the user of the email and password and the admin of this e-khairat system can view the member information to keep it private. Member also be able to update the new or latest information in member information such as their phone number and address.

Claims module consist of form of a claims that the user needs to fill in. In this form, user need to enter name, type of claims, amounts of claims and upload something to prove their claims reason. All the data that user key in will be appear in admin page. Last module is fee module. In this fee module, user also need to fill in the form to pay the fee. User need to enter name, amount of payment, and way to do the payment.

This e-khairat system also consists administrator module which contain administrator announcement, administrator member information and financial. For administrator announcement module, administrator will be able to manage and generate new announcement. Admin also can view all the announcement that already announce. This announcement will be view in the member page in announcement part. In administrator member information, all the member information will be view in this part of module include the status of the member. Administrator also can add new member from this admin member information.

Lastly, financial module consists of fee, money in, money out and claims. In fee, administrator will manage all the fee part and administrator can generate new fee data from administrator module. For money in and money out, all the transaction in or out will be record in this part. Date of the transaction and the amount of money will be record including the reason. In claims, all the claim that user make will appear in this administrator claims. Administrator will manage and add new claims in this module. Refer to Appendix 1 for more detail about storyboard.

3.2.4 User Interface

User interface will describe more detail about the characteristics of each interface between the system and the users. A good user interface will allow the user to use the system smoothly without any distraction (Design, n.d.). User also will be able to complete all the task in the system easily. Below are the characteristics of a good and effective user interface.

i. Attractive

A good user interface should be attractive in order to attract the user attention. User also should enjoy when using the system without any stress.

ii. Consistent

Consistency is needed in order to make user fast to learn the system. User also will be able to recognize the interface in the system easily. The position of main menu for the member in this e-khairat system is same for each interface. This will help the user of the interface to recognize it easily to avoid any distraction.

iii. Familiar

All the icon and button that use in the system should be familiar with user and know each of the function. For example, in this e-khairat system the button such as delete button is use in order to make it easy for the user to cancel any task that the user do.

iv. Error prevention

A good user interface provides error prevention for the user of the system. In this e-khairat system, the link is provided for the member that forgot their password during the log in process. This will help the user to log in into the system successfully.

v. Speed of recall

Speed of recall such as search engine that provide in this e-khairat system is one example of good user interface. This will help to find something more ease and faster.

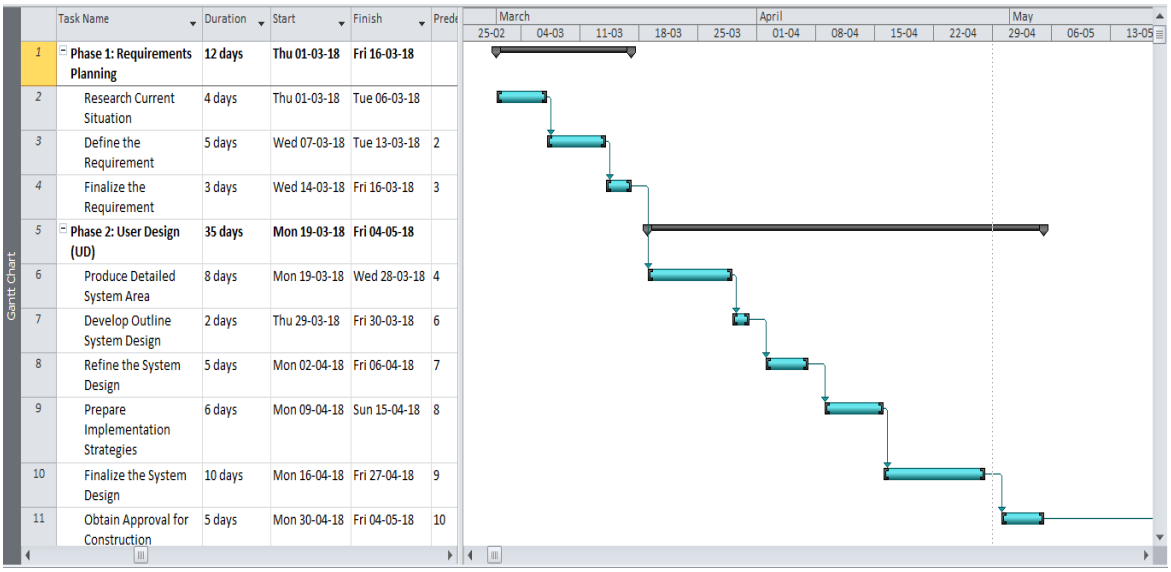
3.3 Software and Hardware

To develop this e-khairat system, there are several software and hardware that needed to run this system in order to make sure this system can function properly.

Software that used in order to develop this system is HTML, MySQL, PHP programming language, XAMPP, Microsoft Word 2013 and Microsoft Project 2010. HTML is used to design the interface for this e-khairat system. While, MySQL and PHP is use as database to store all the data of this system.

Hardware that use in this system are a computer and mobile that have internet in order to access this system. Besides that, notepad++ to make or generate the coding of the system.

3.4 Gantt Charts



	Task Name	Duration	Start	Finish	Prede
1	**Phase 1: Requirements Planning**	**12 days**	**Thu 01-03-18**	**Fri 16-03-18**	
2	Research Current Situation	4 days	Thu 01-03-18	Tue 06-03-18	
3	Define the Requirement	5 days	Wed 07-03-18	Tue 13-03-18	2
4	Finalize the Requirement	3 days	Wed 14-03-18	Fri 16-03-18	3
5	**Phase 2: User Design (UD)**	**35 days**	**Mon 19-03-18**	**Fri 04-05-18**	
6	Produce Detailed System Area	8 days	Mon 19-03-18	Wed 28-03-18	4
7	Develop Outline System Design	2 days	Thu 29-03-18	Fri 30-03-18	6
8	Refine the System Design	5 days	Mon 02-04-18	Fri 06-04-18	7
9	Prepare Implementation Strategies	6 days	Mon 09-04-18	Sun 15-04-18	8
10	Finalize the System Design	10 days	Mon 16-04-18	Fri 27-04-18	9
11	Obtain Approval for Construction	5 days	Mon 30-04-18	Fri 04-05-18	10

Figure 3.5 Gantt Charts

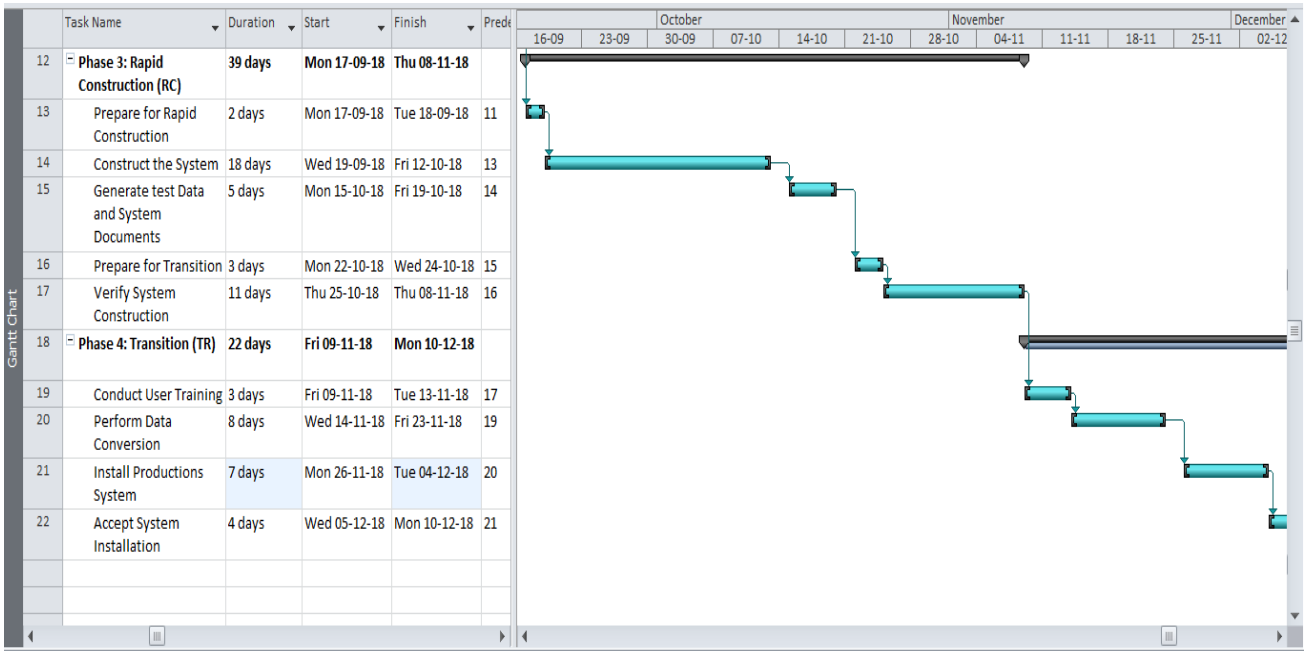


Figure 3.6 Gantt Charts

Figure 3.5 and 3.6 shows the Gantt Charts of this project that show all the phase or stage involved in the development of this e-khairat system.

CHAPTER 4

RESULTS AND DISCUSSION

4.1 Introduction

The purpose of this chapter is to discuss in detail on the development of the e-Khairat System. This development occurs during the Rapid Construction stage according to the methodology that have been used. The main purpose of this chapter is also to explain in detail about how this system is developed. To be more specific, the developed system needs to meet the specific requirement and cover all the objectives and scope (refer Chapter 1). In addition, this chapter is essential for every development because through this the vulnerabilities or error during the implementation will be shown and we can find out the level of successfulness.

This system is developed by using PHP language and CSS. To keep all the data, information, and record in the database, this system used XAMPP server and MySQL as a platform. All the elaboration and explanation about the interface, database and flow of this system will be include in this chapter. At the end of this chapter, the result testing and the discussion about the result will be justified.

4.2 Implementation

Notepad++ is used to developed code in this e-Khairat system. Figure 4.1 shows one of code that developed by using notepad++.

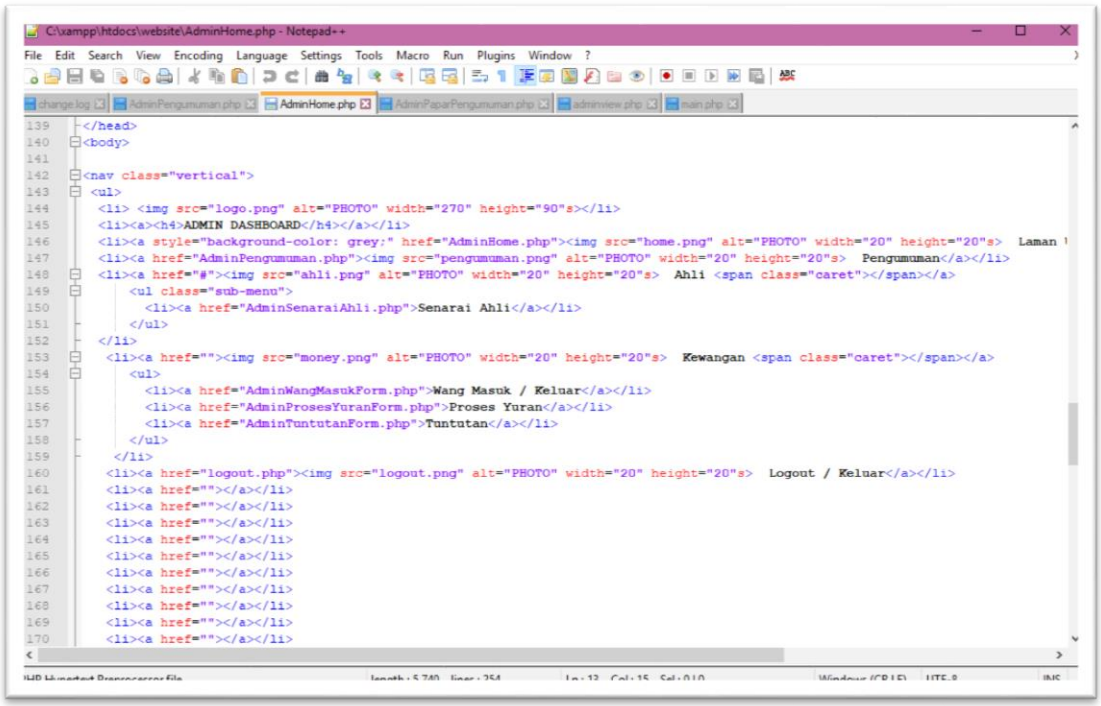


Figure 4.1 Code is develop using Notepad++

4.3 User Interface Design

In this e-khairat system, there are three type of user that will use this system. There are member, admin and also visitor of this system.

4.3.1 Homepage / Main page Page

The homepage or main page of this e-Khairat system can be open through web browser. All the information about the e-Khairat system is provided in this page such as contact number, location and the organization information. There are also a login and sign up button at the top right of this page. For login button, user that already register as a member can login into the user page. Administrator of this system also will use this login button to login as an administrator of this system. Meanwhile sign up button will be used by the new user that want to register as a member. Figure 4.2 bellow show the homepage of e-Khairat.

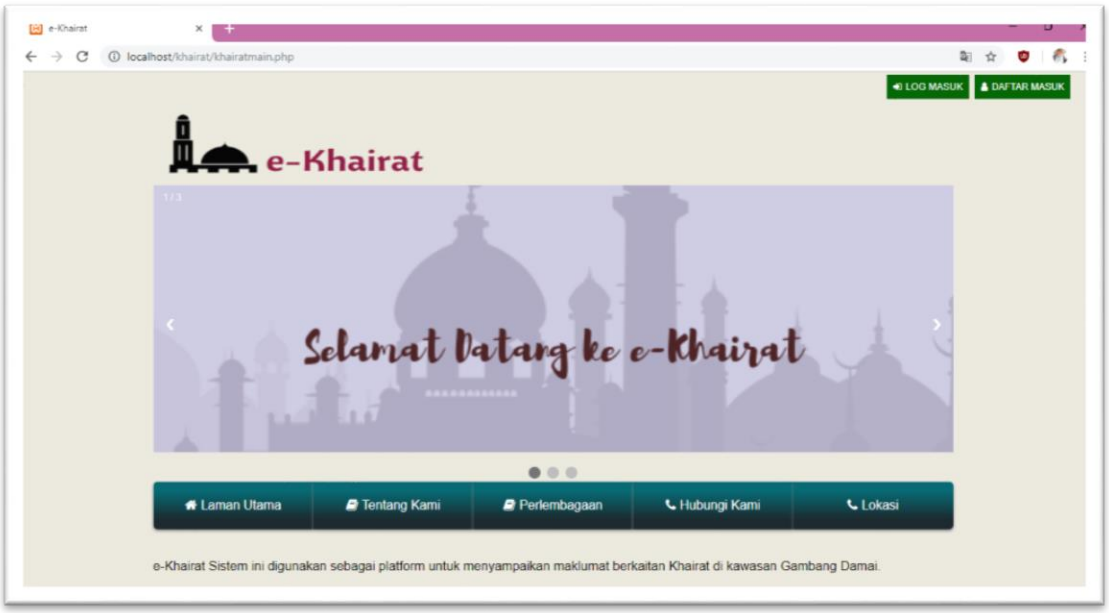


Figure 4.2 Homepage

4.3.2 Contact Information Page

In this contact information page, the information about this e-Khairat system is provided. For example, in this page there are address of the mosque, the location which is retrieved from google map and the contact number. Figure 4.3 below shows the contact information interface of this e-Khairat system.

Figure 4.3 Contact Page

4.3.3 Login Page

Figure 4.4 below shows the login page of this e-Khairat system. In this page, the user needs to enter email and password to enter into the system. There is also cancel button for the user that bring the user to the main page. Admin also will use this login page to login into the system as admin of this system.

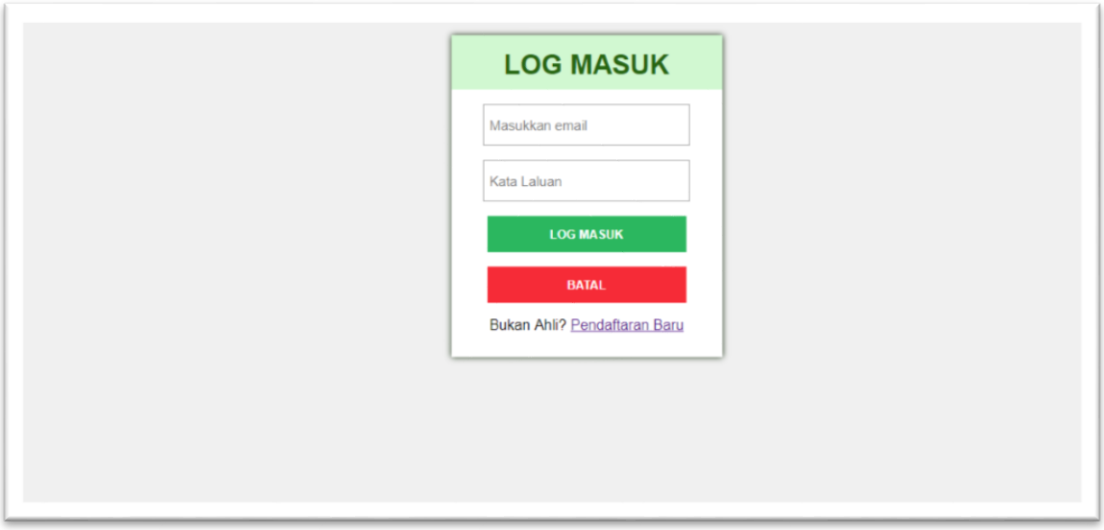


Figure 4.4 Login Page

4.3.4 Sign up Page

New user that want to login into the user page need to register in this sign up page. The user needs to enter all the require information to make the registration process successful. Figure 4.5 below shows the signup page that contain information that need to fill by the user.

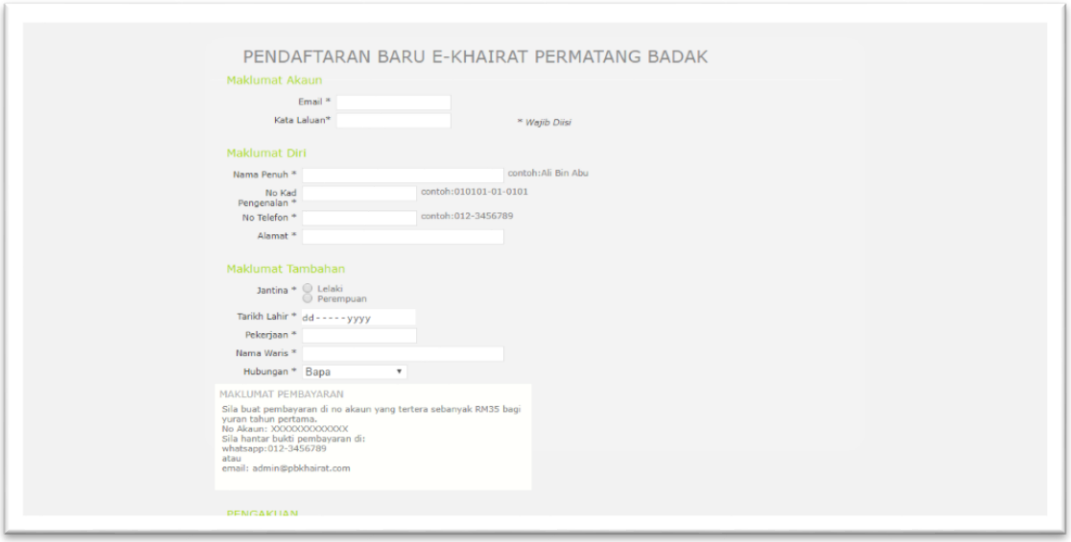


Figure 4.5 Signup Page

4.3.5 Administrator Page

4.3.5.1 Main Page for Administrator

Figure 4.6 below shows the main page for administrator interface. In this administrator main page, the total number of the register member and total amount of fee is view for the administrator. Administraator also can manage all the activities in this e-Khairat system.

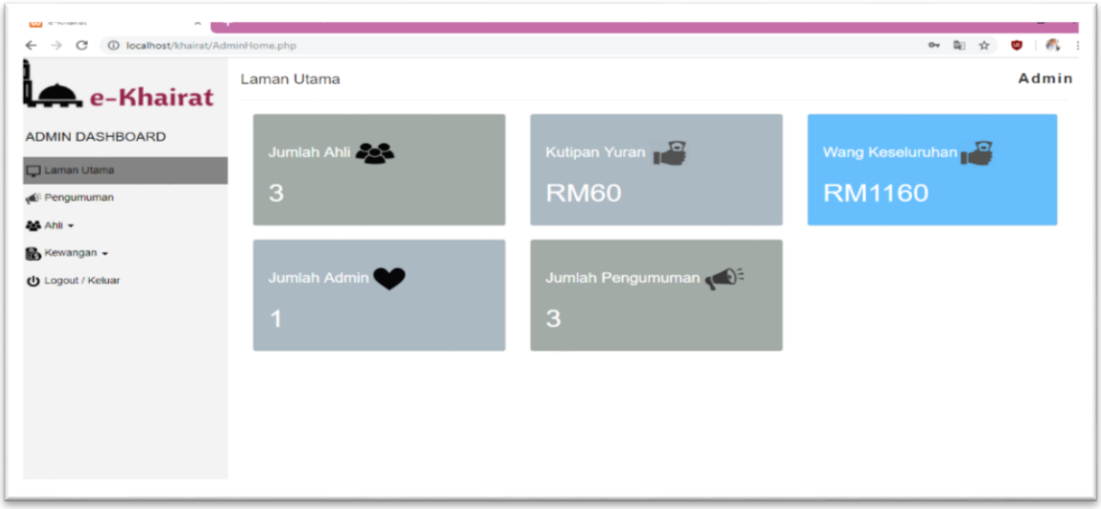


Figure 4.6 Admin Main Page

4.3.5.2 Announcement for Administrator

Administrator can make announcement to the user through this page. All the announcement also can be viewed by the administrator. Figure 4.7 shows the announcement interface for administrator.

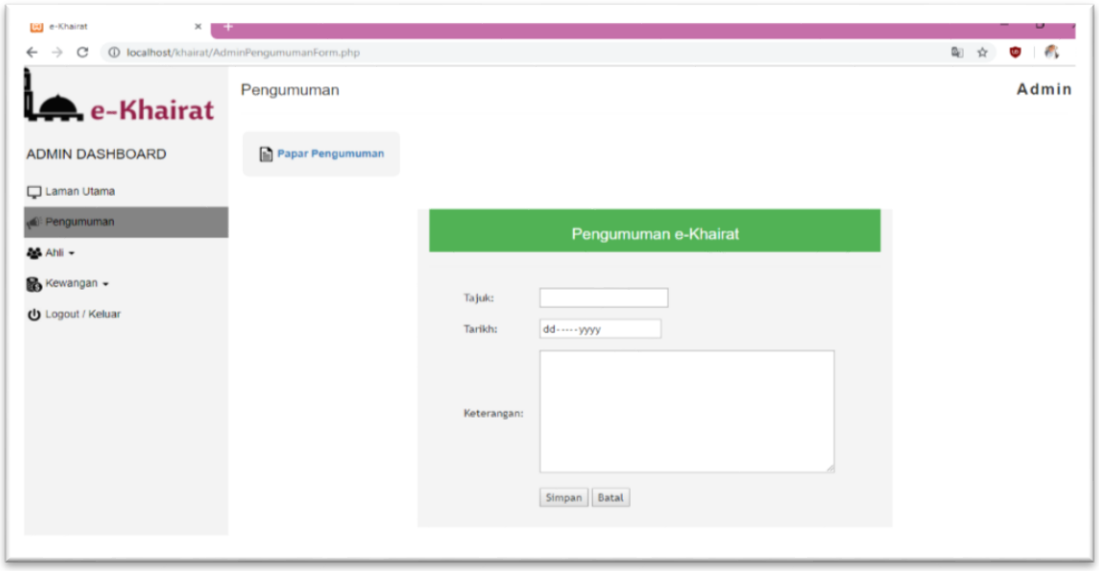


Figure 4.7 Announcement Page for Admin

4.3.5.3 List of Member for Administrator

In this page shows all the list of members with their information. Administrator also can add new member by register for them. Figure 4.8 shows list of members in this system.

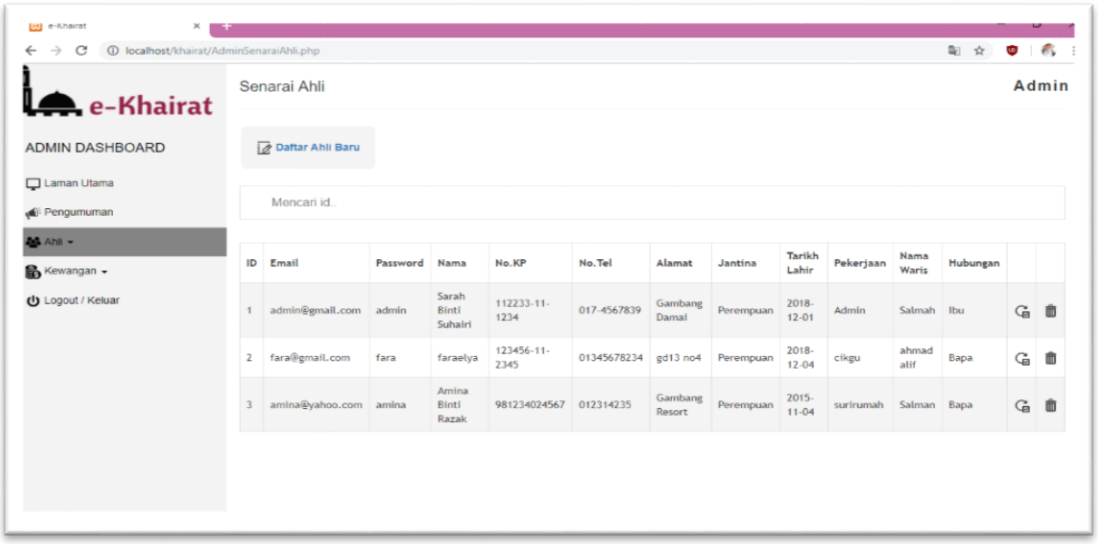


Figure 4.8 List of Member for Admin

4.3.5.4 Financial for Administrator

In financial, there are money in/out, fee and claims process. All the financial process is managed by administrator of this system. Figure 4.9 below shows the interface for the money in/out process. Administrator also can view all the financial report by clicking the button view.

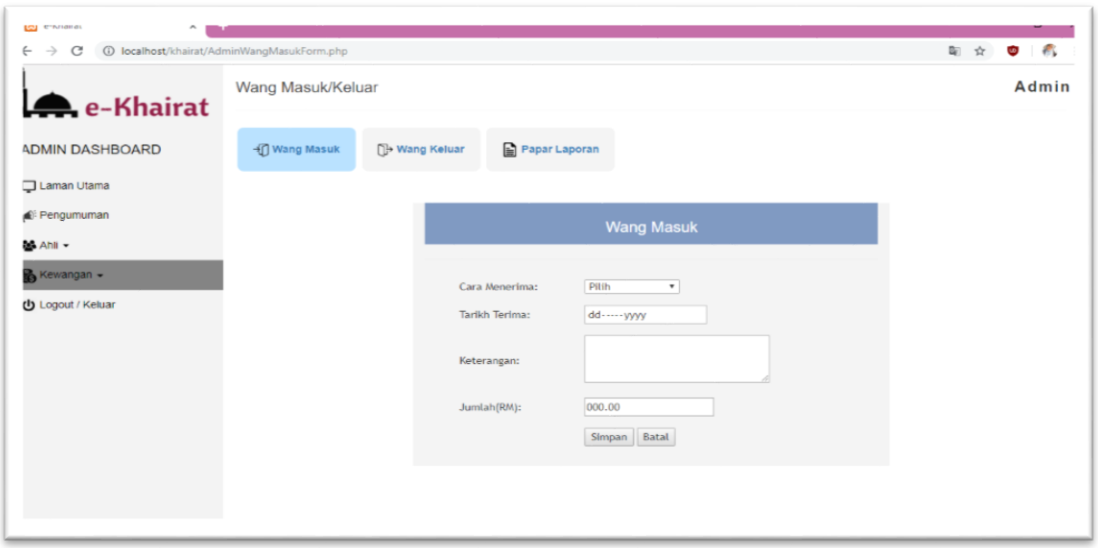


Figure 4.9 Money in/out Process

Figure 4.10 below shows the process of fee of this system. This process also can manage by administrator and all only administrator can view all the fee report.

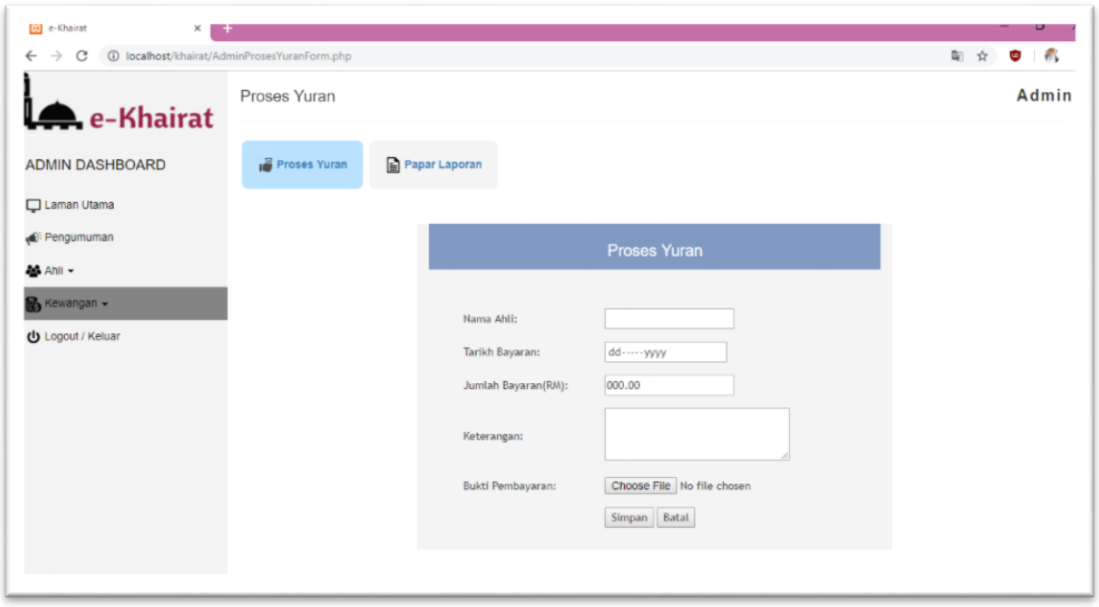


Figure 4.10 Fee Process

Figure 4.11 below shows the claims process. This claim process only can be done by administrator. All the process in this claim is also manage by administrator. Administrator need to fill in the form to make a new claim.

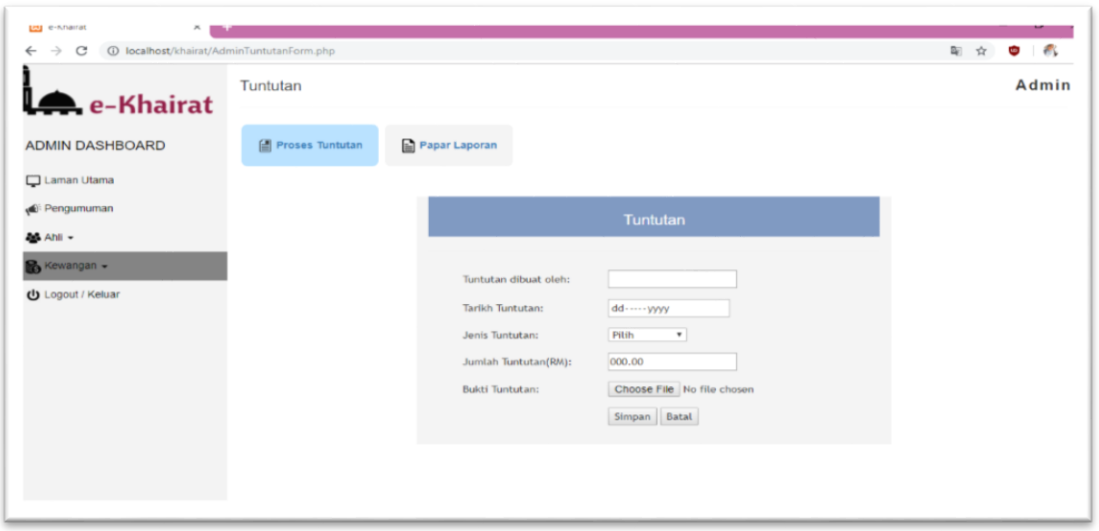


Figure 4.11 Claim Process

4.3.6 Member Page

4.3.6.1 Main Page for Member

In this main page for user, only the user that have login can view this page. This main page contains an announcement of this system. New announcement also will appear in this page. Figure 4.12 below shows the main page for user.

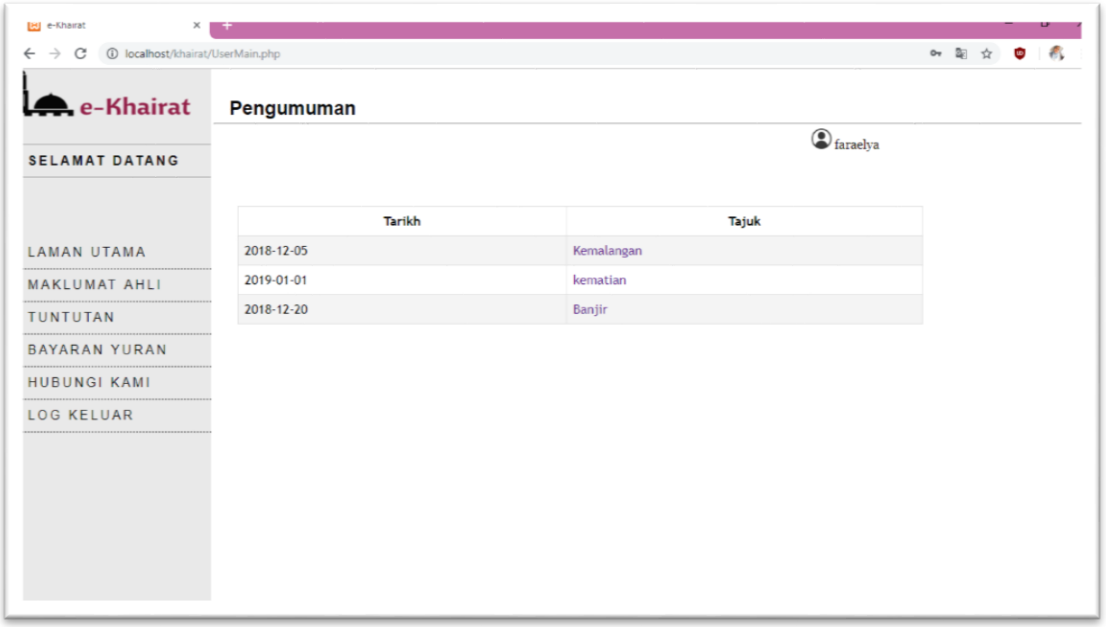


Figure 4.12 Main Page for Member

4.3.6.2 Member Information

Figure 4.13 below shows the page that view the user information. All the information that user key in in the process of registration will be view in this page.

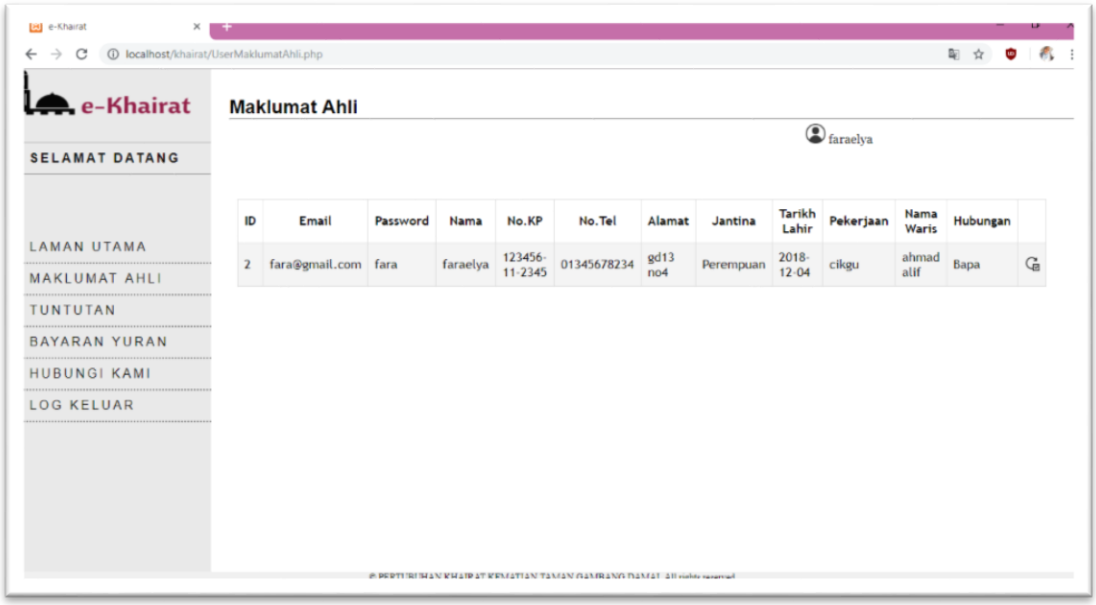


Figure 4.13 Member Information

4.3.6.3 Fee Information for Member

In this page, member can view all the information about the fee of this system. Unfortunately, member cannot pay the fee by their own. Member need to pay the fee through the administrator of this system because this system did not provide online payment. Figure 4.14 below shows the fee information for member.

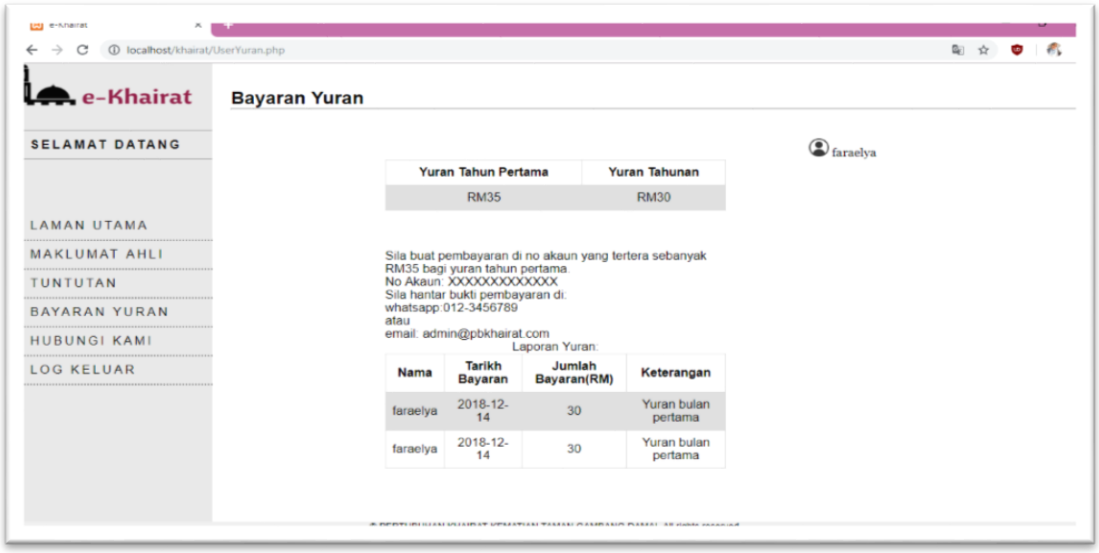


Figure 4.14 Fee Information

4.4 User Manual

The user manual is provided for the user of this e-Khairat system to know in detail how to use this system and to perform all the functions that include in this system. The Appendix 3 shows the User Manual.

4.5 Advantages and Limitation of the Proposed e-Khairat

The strength of this system is when the user login by enter the email, the user needs to enter the correct format which is email@x.com. If the user did not put the correct format there will be a message to inform the user as shows in Figure 4.15 below.

Figure 4.15 example of pop-up message to inform user

Besides that, if the user enters the wrong password, the system will clear all the email and password that already enter by user and user need to enter again. This system also can recall all the email that has been register. Figure 4.16 below shows the example of the email that can be recall by this system.

Figure 4.16 example of email that recall by this system

The weakness of this system is not provided help for the user who forget their password. User cannot access into the system if they forget their password. The only way, the user needs to ask help from administrator or do a new registration. Figure 4.17 below shows the example of this problem.

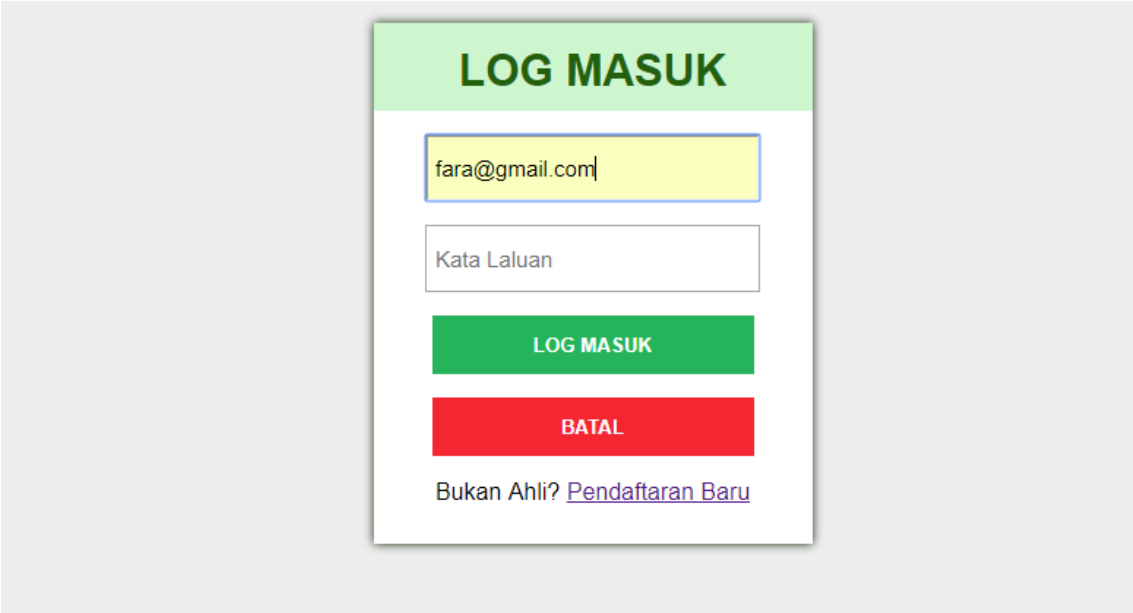


Figure 4.17 login interface which do not provided help link

4.6 Strength, Weakness, and Challenge during Development Process

The challenge that faced during the development process is when do the delete functioning button which cannot function well. The delete button already recognize the action but still the data is there. Besides that, the challenge occurs when try to send the notification to the WhatsApp messenger. The notification that trying to send is not sender to the receiver which is user. The weakness that occur during the development process is when the Notepad++ that used cannot launch the code in other browser except Internet Explorer because of the error occurs in the notepad.

CHAPTER 5

CONCLUSION

5.1 Introduction

This e-Khairat system is a web-based system that develop to manage Muslim death matter to make easy for the Muslim community to manage and update with the latest information about khairat. This e-Khairat system is develop due to the problem occurs when using the manual system to manage Muslim death which are the data need to key in manually by the administrator into the computer, the possibility of losing data is high, and because of that manually system is lack of information.

As the result, in order to solve the problem that occur, this e-Khairat system is develop by using Rapid Application Development (RAD) methodology. HTML, CSS, and PHP Language also is implemented in order to solve the problem by developing the system.

In conclusion, this project has met all the requirement that has been mention in the beginning of the chapter. Hence, in the future, a new efficient system will act as a platform that can help to manage Muslim death matters and update the user about the latest information about the Muslim death.

5.2 Discussion Based on User Acceptance Test (UAT)

Based on the result from User Acceptance Test (Refer to Appendix 4), all the function that contain in this system can be function properly. For login function from both administrator and member can execute properly once the user has been registered. All the information from registration process also is store properly in the database.

According to the objective (Refer Chapter 1), this system able to manage and update the information about the Muslim death. In the announcement page, member will be able to get and view the latest information that has been made by administrator. Administrator also able to manage this announcement when administrator can add, view and delete the announcement.

All the member able to view and update their information in this e-Khairat system. Administrator not only can view and update the member information but also can add to register new member from administrator page. Besides that, fee, claims and all money is managed by administrator can be add and view from administrator page. Fee information that has been manage by administrator can be view in member page.

Based on User Acceptance Test also, both user which are administrator and member of this system can logout successfully by click the button logout. Then, this system will return to main page of e-Khairat system.

5.3 Research Constraint

5.3.1 Constraints

The main constraint for this e-Khairat system is limited time to develop this system. Due to limited time, the good time management is required in order to make sure this system is successfully developed. The time need to managed well to make sure the process of developing the system is run smoothly. Besides that, limited skills and knowledge to develop the system.

5.3.2 Development Constraints

To enable the member of this system is updated with the latest information, the announcement part is developed. In this announcement part, all the detail about the announcement will be appear such as the date of announcement, the title and the detail about the announcement.

5.4 Future Work

There is a part that can be suggested and enhance for future work of e-Khairat system to make it more advanced in functionality. This system can implement WhatsApp notification by using API to update the user for latest information about Muslim death. Besides that, this e-Khairat system can also be develop in different platform such as mobile application to make more useful and easier to update the user.

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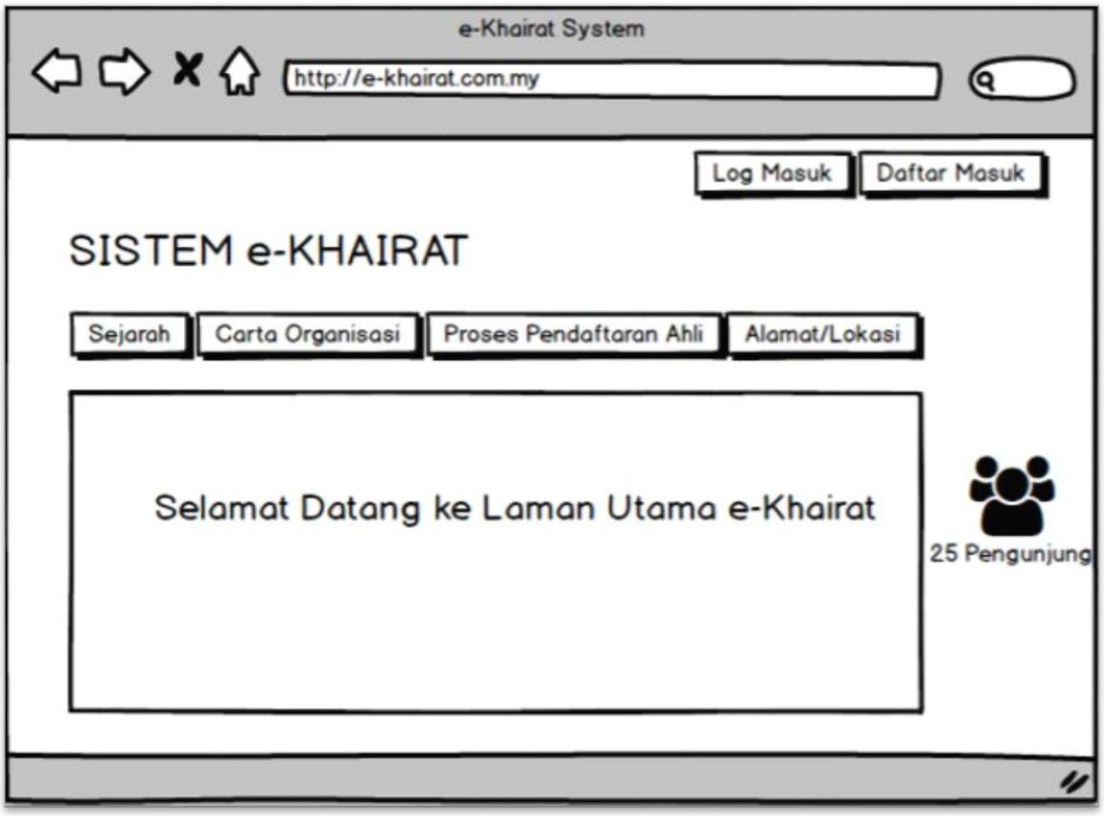
APPENDIX 1

STORYBOARD

Screen Title: e-Khairat Main Page Screen 1 of 22

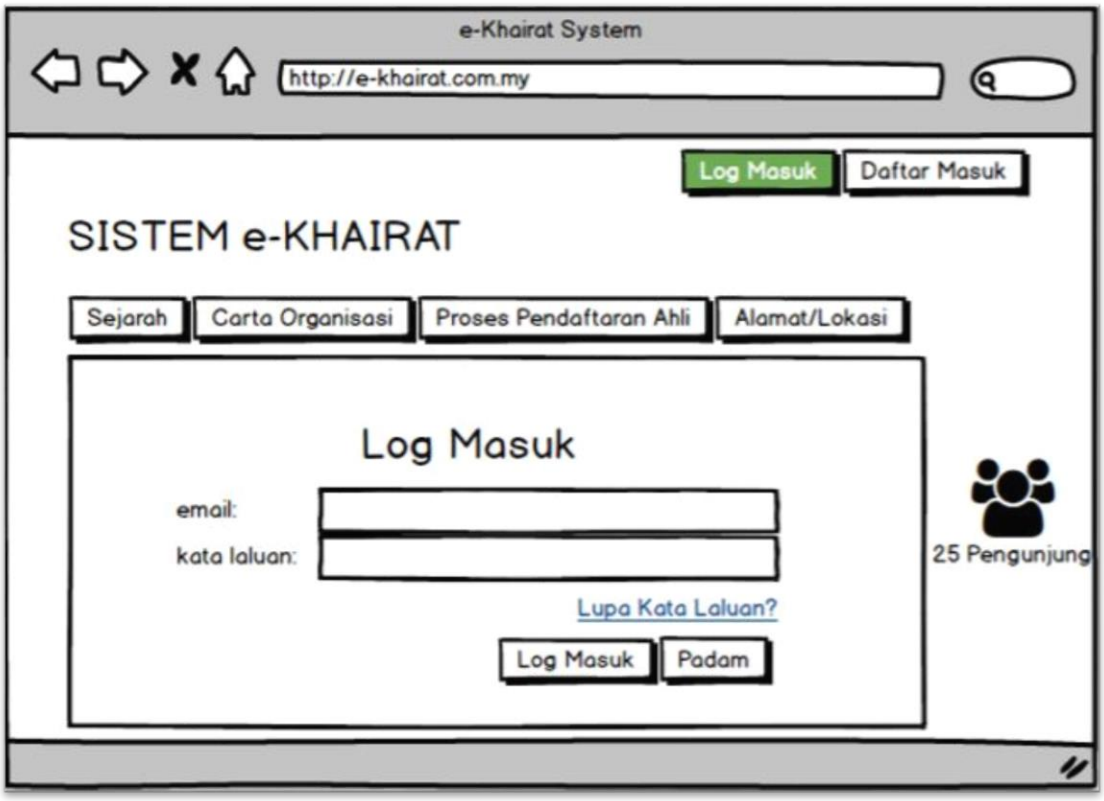


Links from: none Links to screen page 2, 3, 4, 5, 6

Screen Description:

1. This is main page for this e-Khairat system that can be view by all viewer.
2. Consists of main menu of this system and also view the number of visitor.

Screen Title: e-Khairat Log in Screen 2 of 22



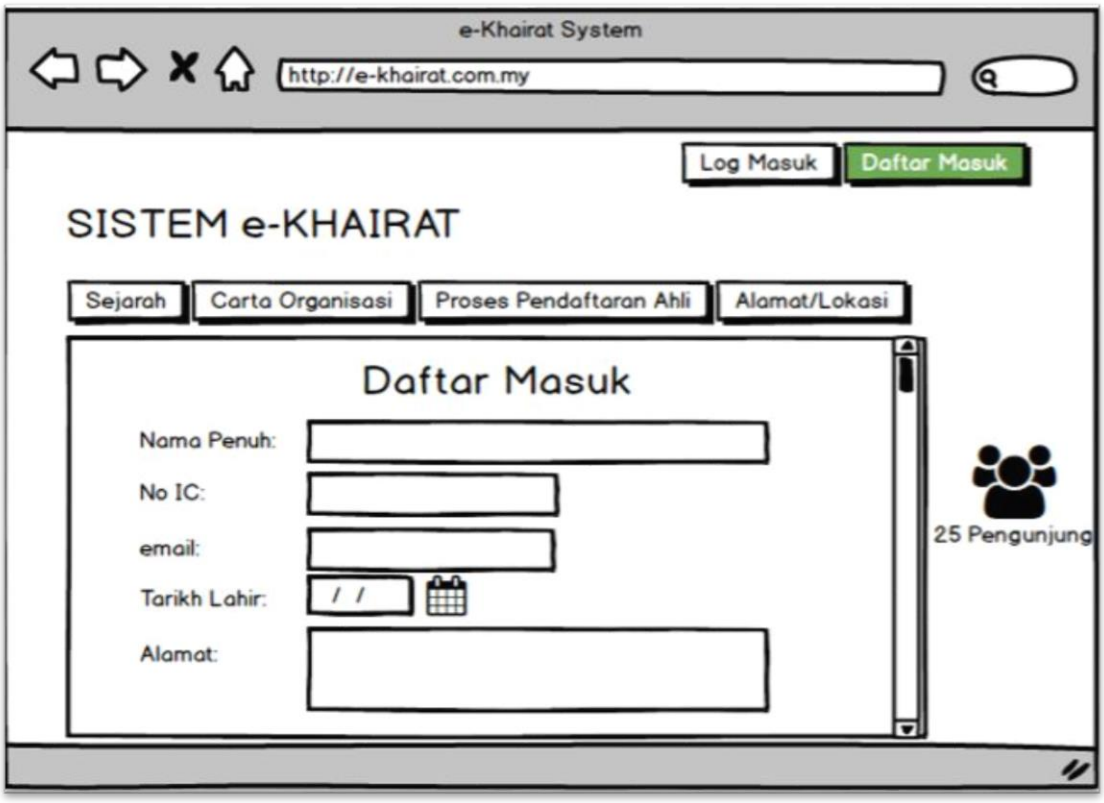
Links from screen page: 1

Links to screen page 1, 7, 12

Screen Description:

1. This is log in screen page for the member and also the admin of this system.
2. Link of forgot password also is provide if the member forgot their password.

Screen Title: e-Khairat Register Screen 3 of 22



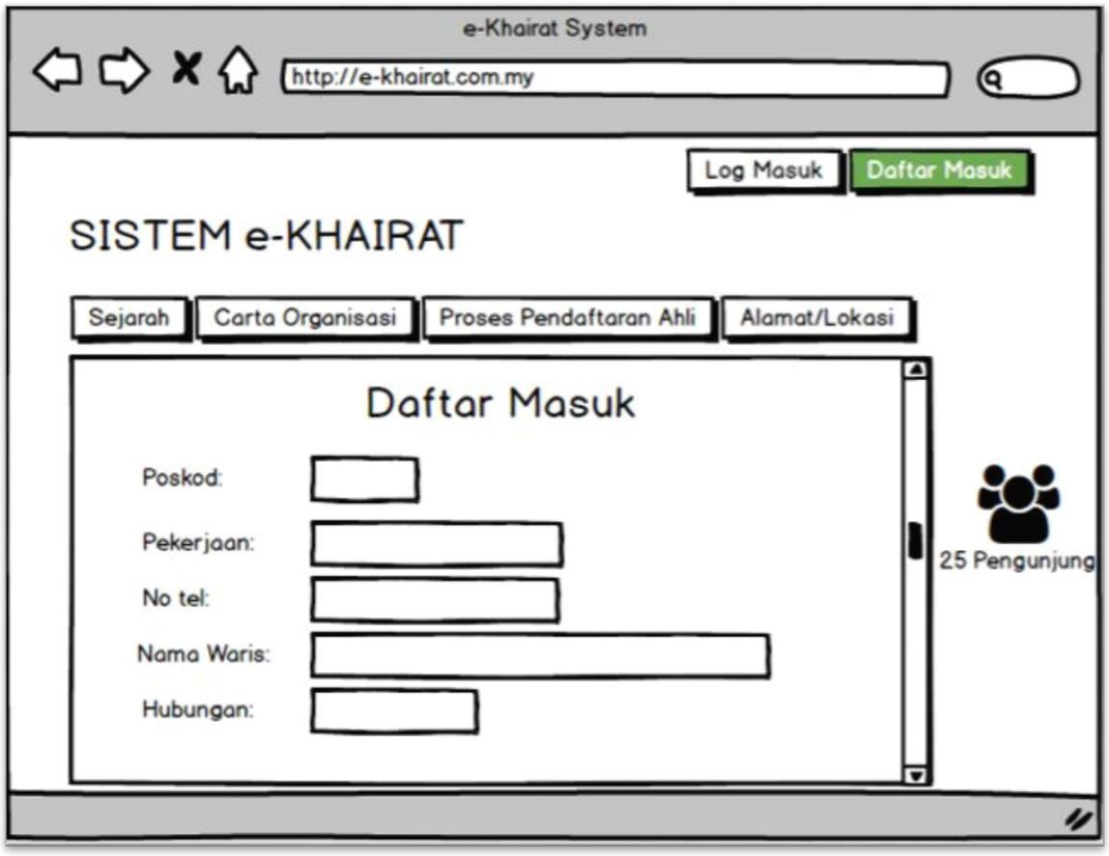
Links from screen page: 1

Links to screen page 1, 2, 4, 5, 6

Screen Description:

1. This register page use for new registration as a member.
2. Contain of form that need to fill in.

Screen Title: e-Khairat Register Screen 4 of 22



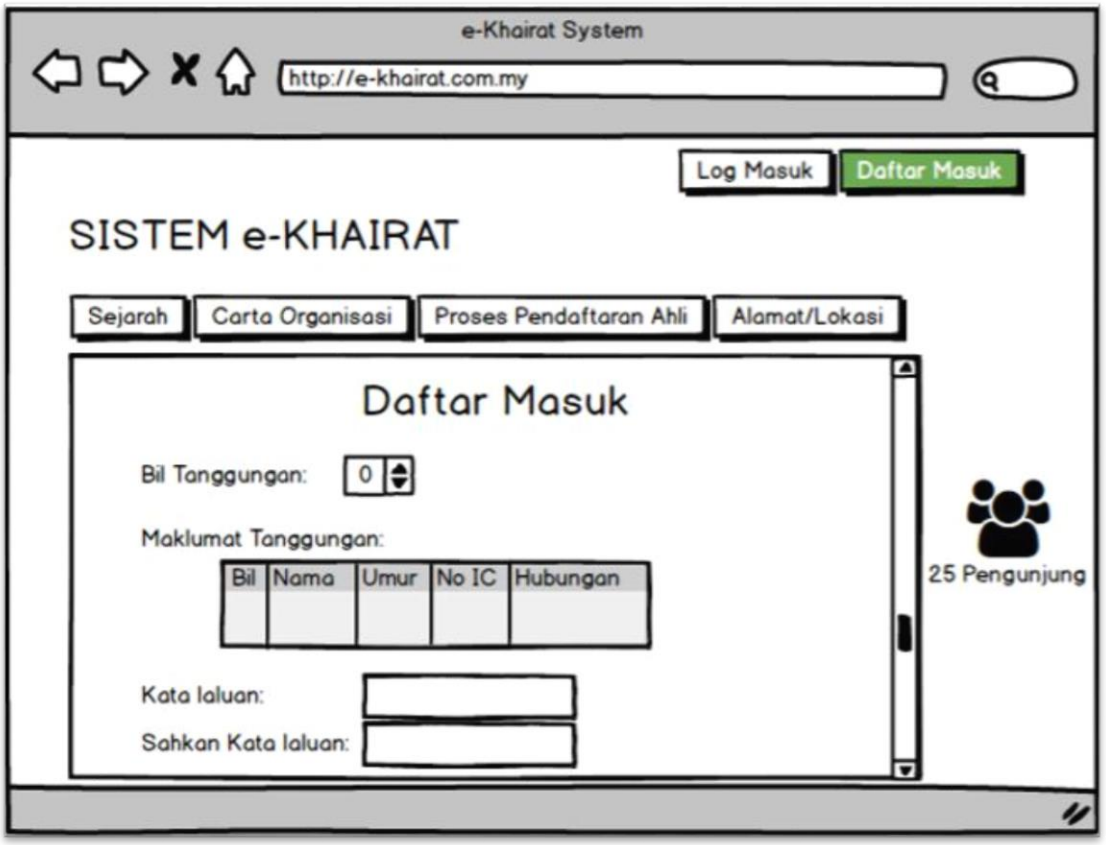
Links from screen page: 3

Links to screen page 1, 2, 5, 6

Screen Description:

1. This register page is continue from the screen page 3

Screen Title: e-Khairat Register Screen 5 of 22



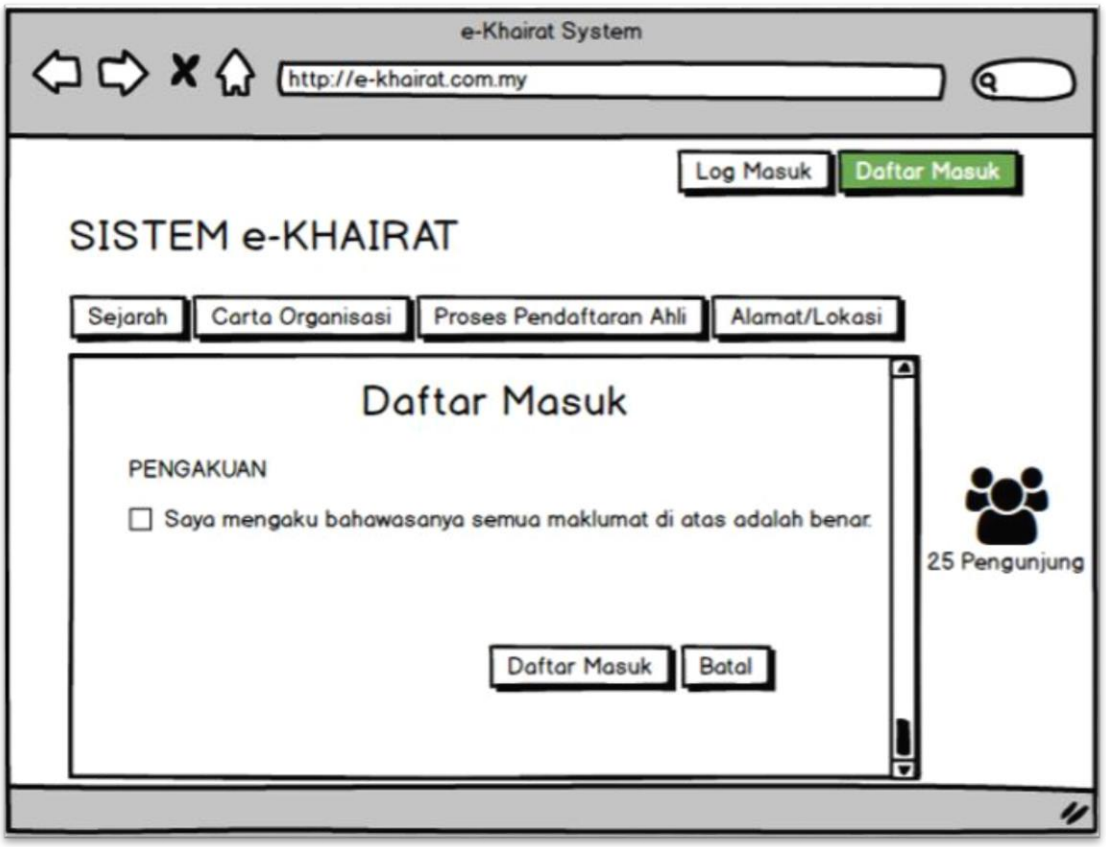
Links from screen page: 3, 4

Links to screen page 1, 2, 6

Screen Description:

1. This register page continue from page 3 and 4.

Screen Title: e-Khairat Register Screen 6 of 22



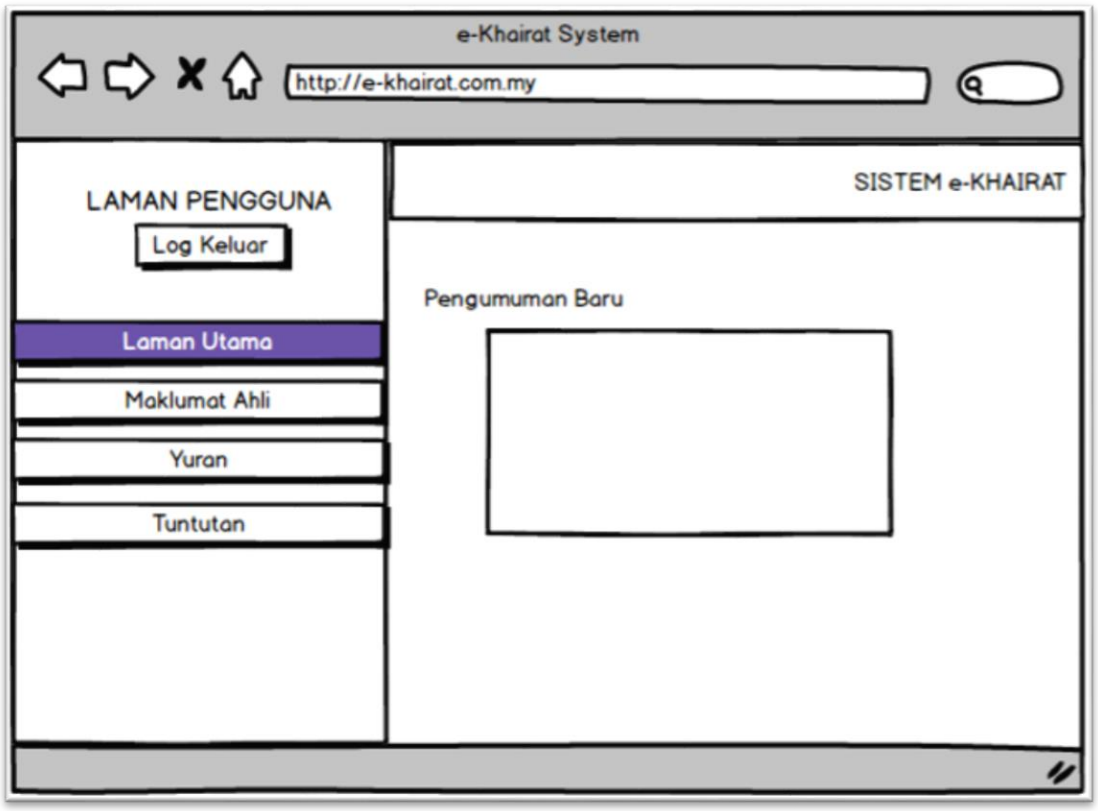
Links from screen page: 3,4,5

Links to screen page 1, 2

Screen Description:

1. This page continue from the page 3, 4 and 5.

Screen Title: e-Khairat Member Main Page Screen 7 of 22



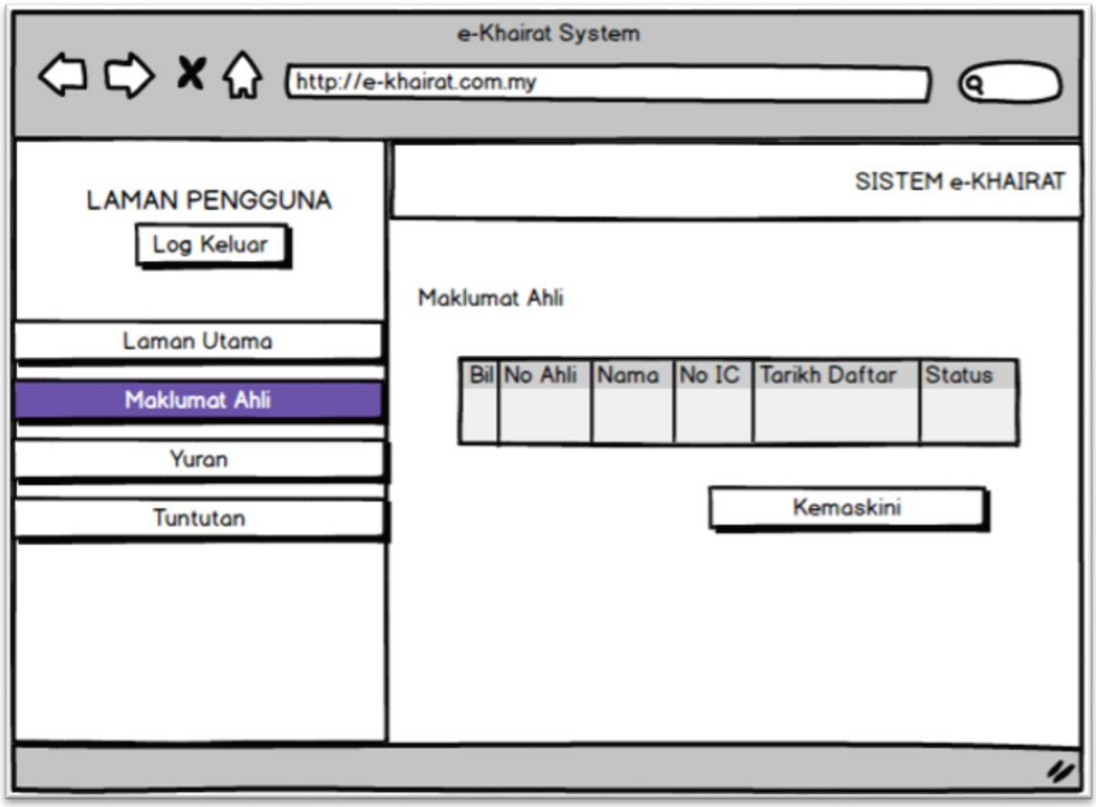
Links from screen page: 2

Links to screen page 1, 8, 10, 11

Screen Description:

1. This page is for the user that already register and become a member.
2. Consist of all main menu for member
3. View for announcement.

Screen Title: e-Khairat Member Information Page Screen 8 of 22



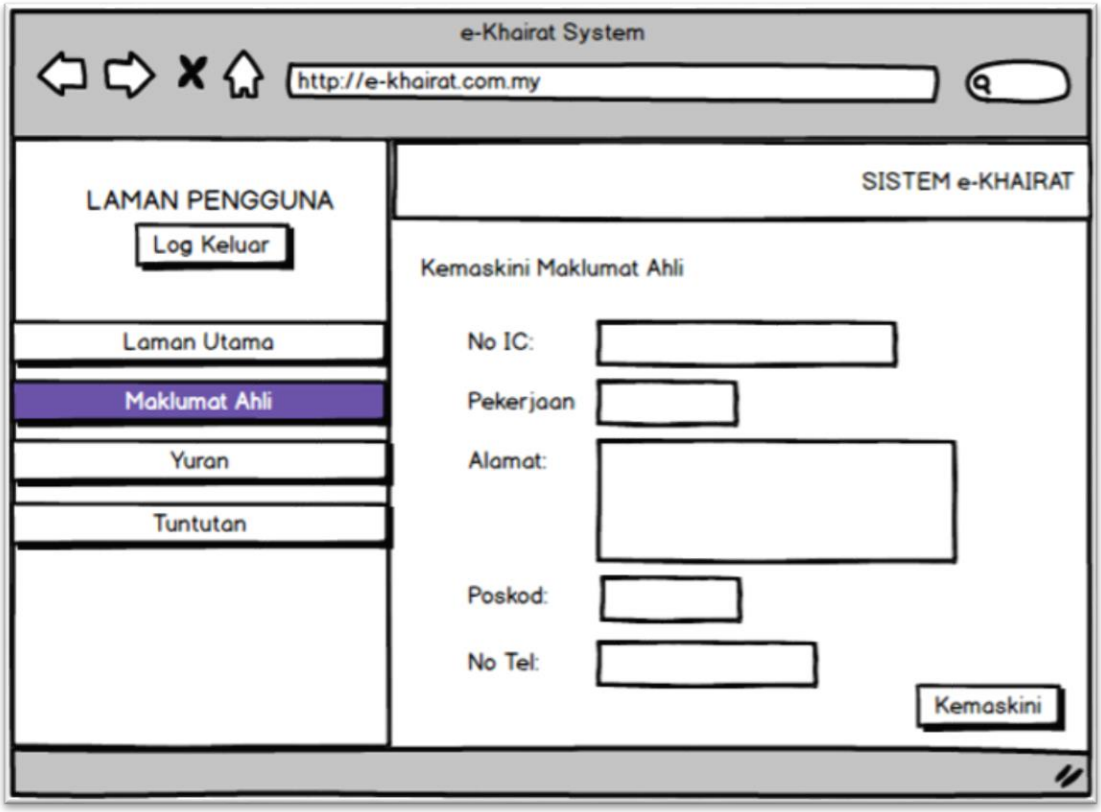
Links from screen page 2

Links to screen page 1, 7, 9, 10, 11

Screen Description:

1. View the member information according to the login account.
2. Content “kemaskini” button to update the information.

Screen Title: e-Khairat Update Member InformationPage Screen 9 of 22



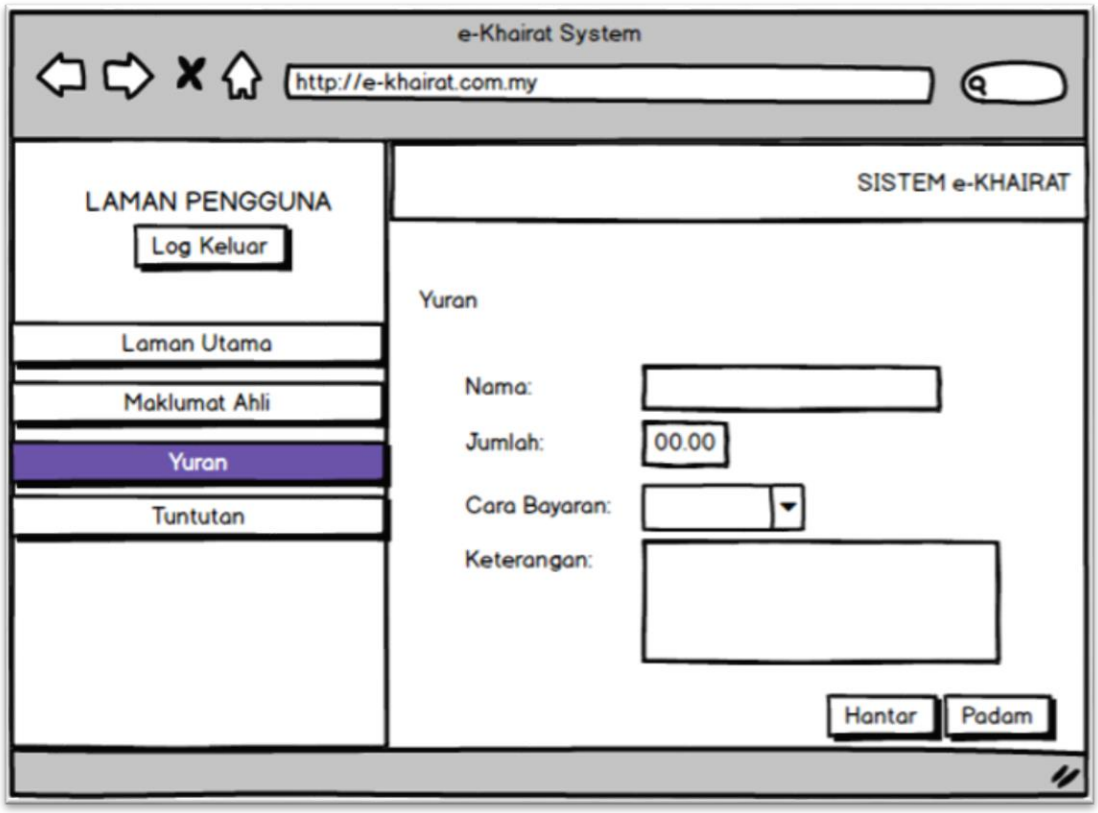
Links from screen page 2, 8

Links to screen page 1, 7, 8, 10, 11

Screen Description:

1. Content the form to update the member's information.

Screen Title: e-Khairat Member Fee Page Screen 10 of 22



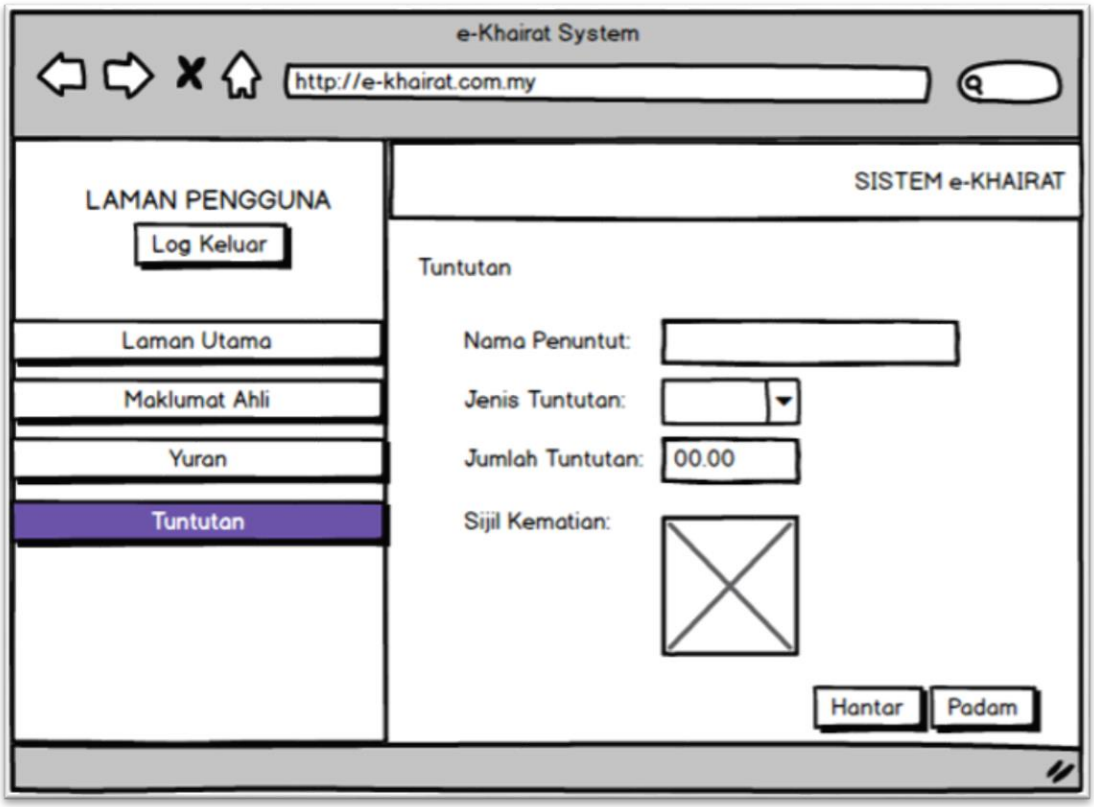
Links from screen page: 2

Links to screen page 1, 7, 8, 11

Screen Description:

1. This fee page consist a fee form.

Screen Title: e-Khairat Member Claim Page Screen 11 of 18



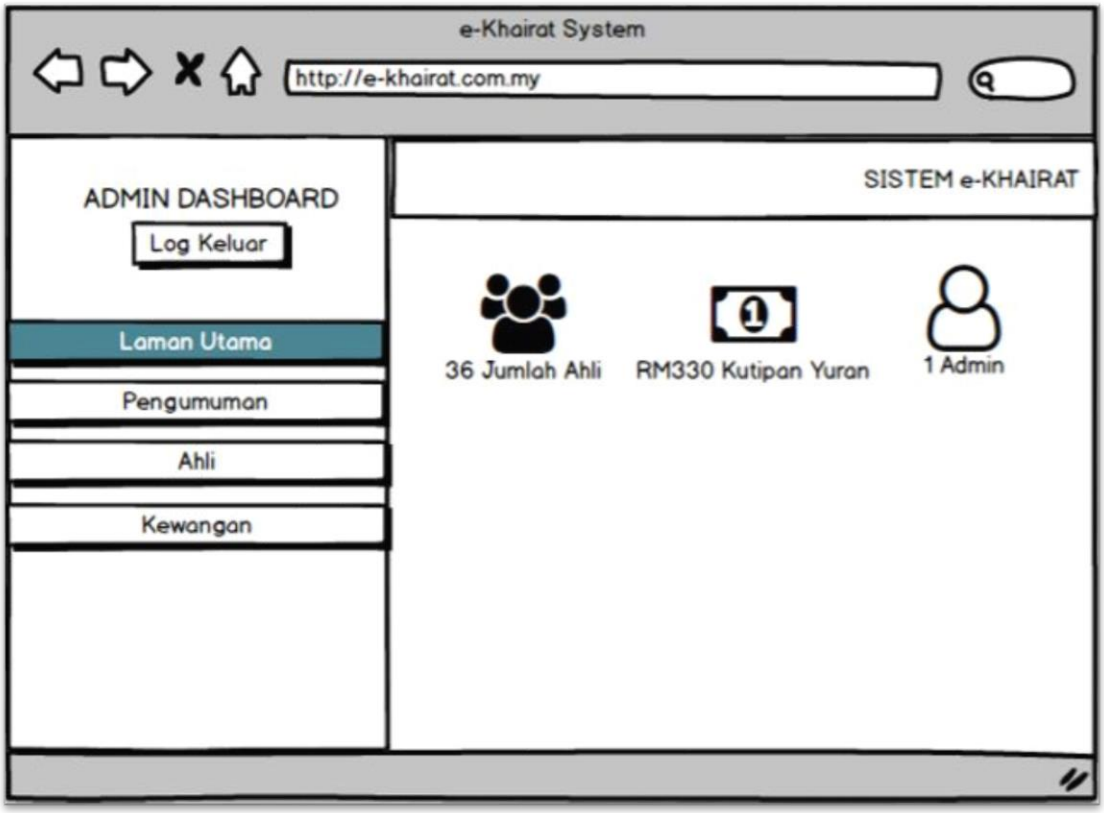
Links from screen page: 2

Links to screen page: 1, 7, 8, 10

Screen Description:

1. Member will be able to claims by fill in the claim form.

Screen Title: e-Khairat Admin Main Page Screen 12 of 22



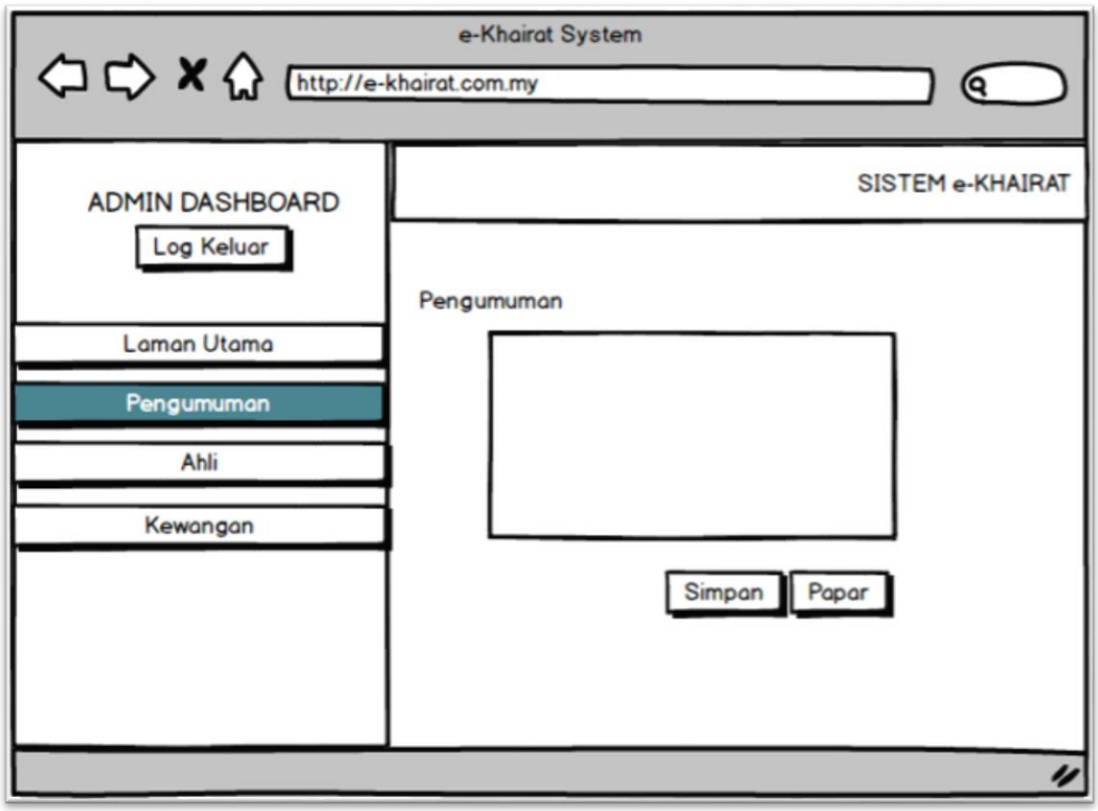
Links from screen page: 2

Links to screen page: 1, 13, 15, 16

Screen Description:

1. Admin will be able to know the total number of member
2. The total amount of fee that collected

Screen Title: e-Khairat Admin Announcement Page Screen 13 of 22



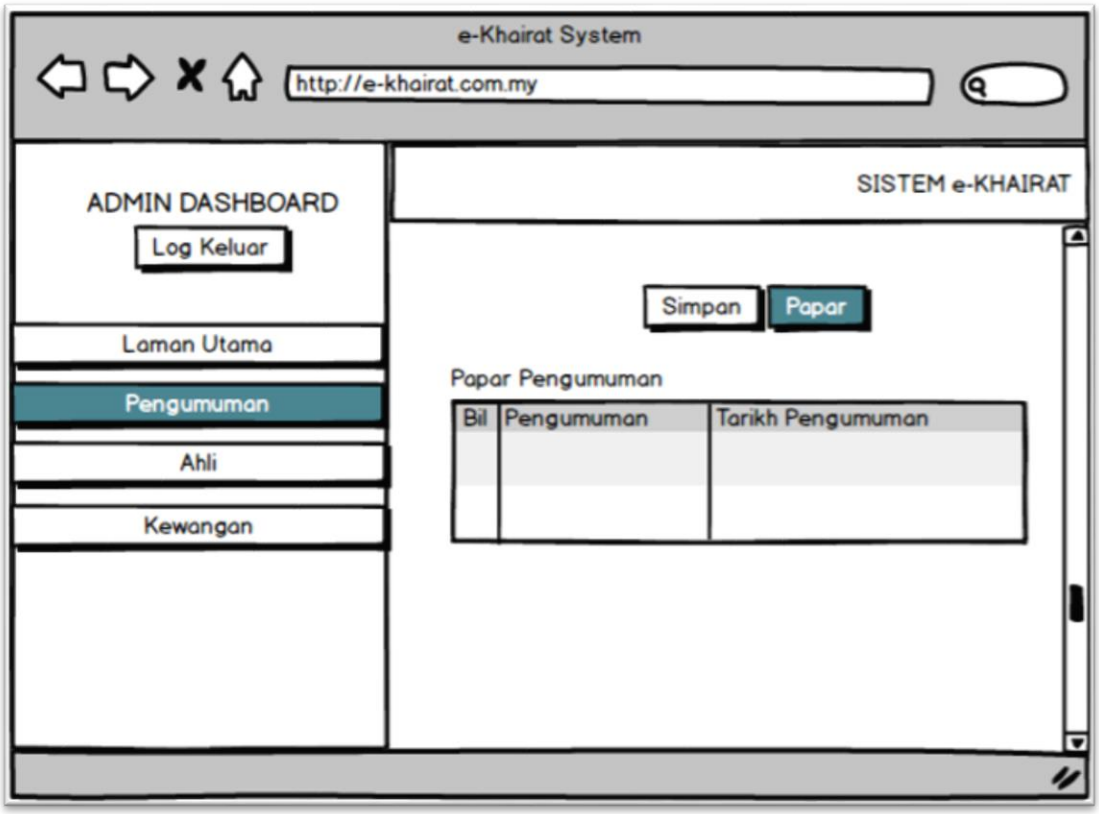
Links from screen page: 2

Links to screen page 1, 12, 14, 15, 16

Screen Description:

1. Admin will be able to make new announcement.
2. Content “papar” button to view all the announcement.

Screen Title: e-Khairat Admin Announcement View Page Screen 14 of 22



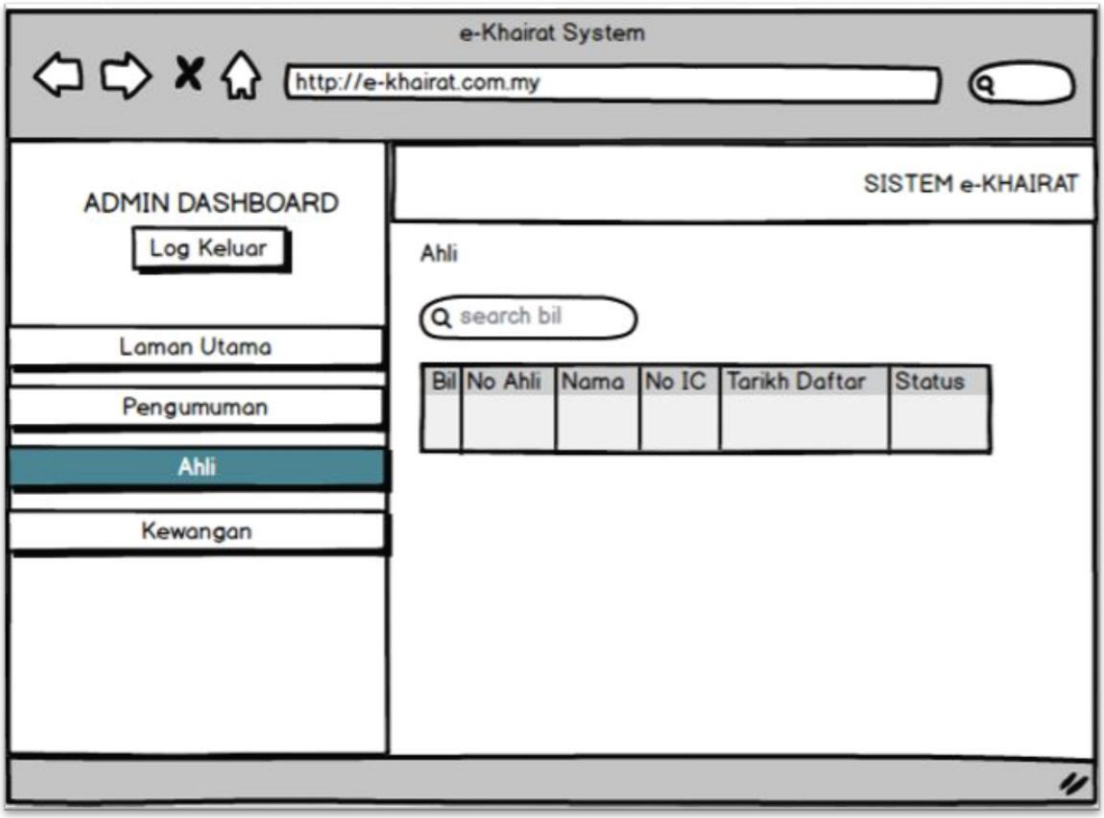
Links from screen page: 2, 13

Links to screen page 1, 12, 13, 15, 16

Screen Description:

1. View all the announcement.

Screen Title: e-Khairat Admin Member page Screen 15 of 22



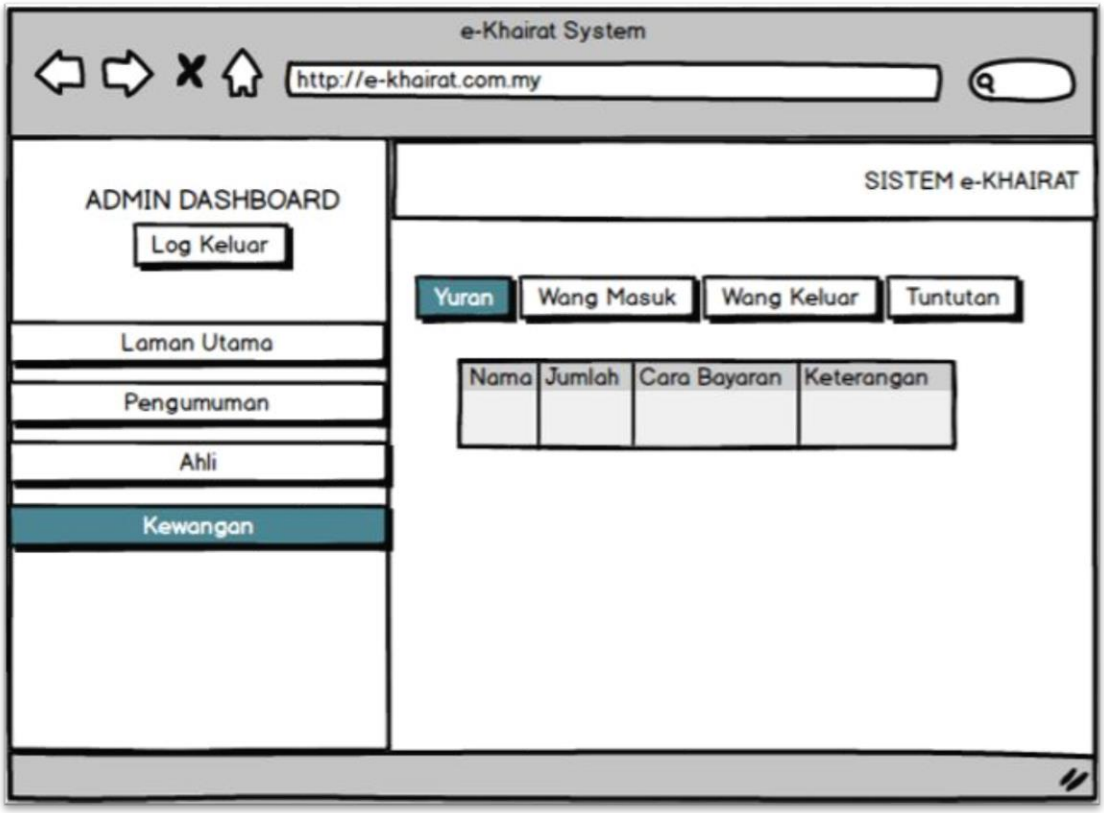
Links from screen page: 2

Links to screen page 1, 12, 13, 16

Screen Description:

1. Admin is able to view all the member information.
2. Capability to search the member number.

Screen Title: e-Khairat Admin Fee Page Screen 16 of 22



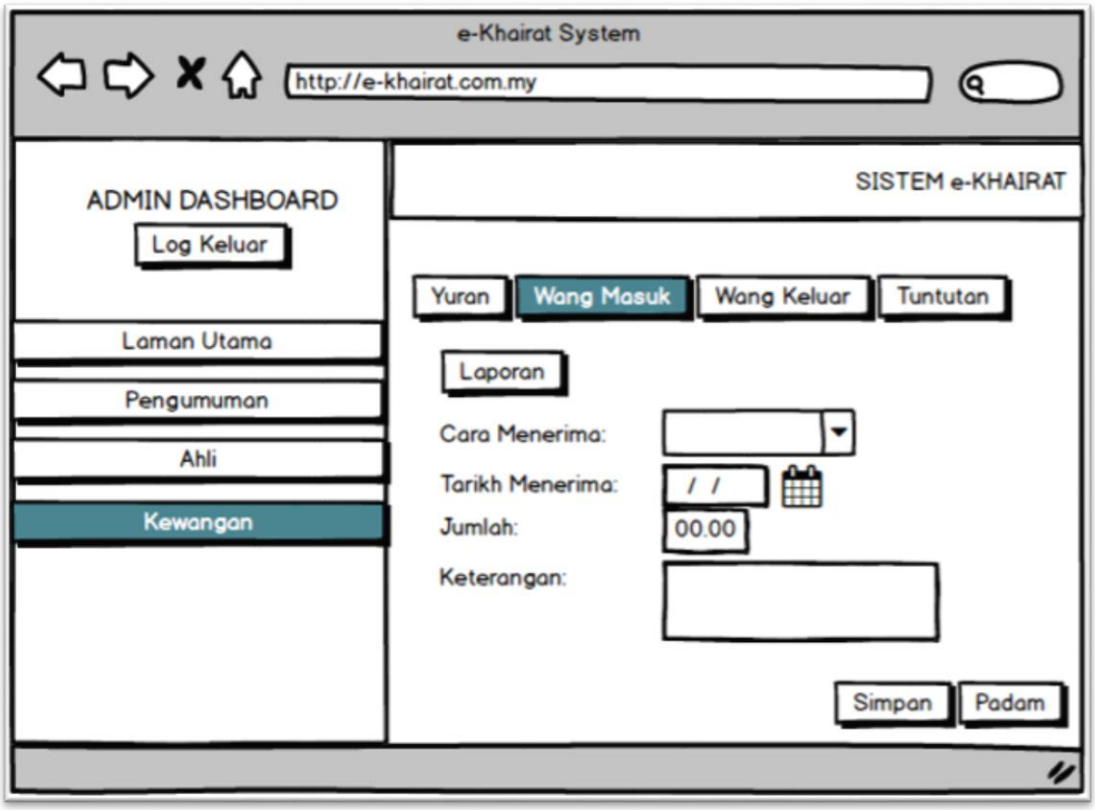
Links from screen page 2

Links to screen page 1, 12, 13, 15, 17, 19, 21

Screen Description:

1. Consist of financial menu.
2. Admin is able to view and edit fee summary

Screen Title: e-Khairat Admin Money In page Screen 17 of 22



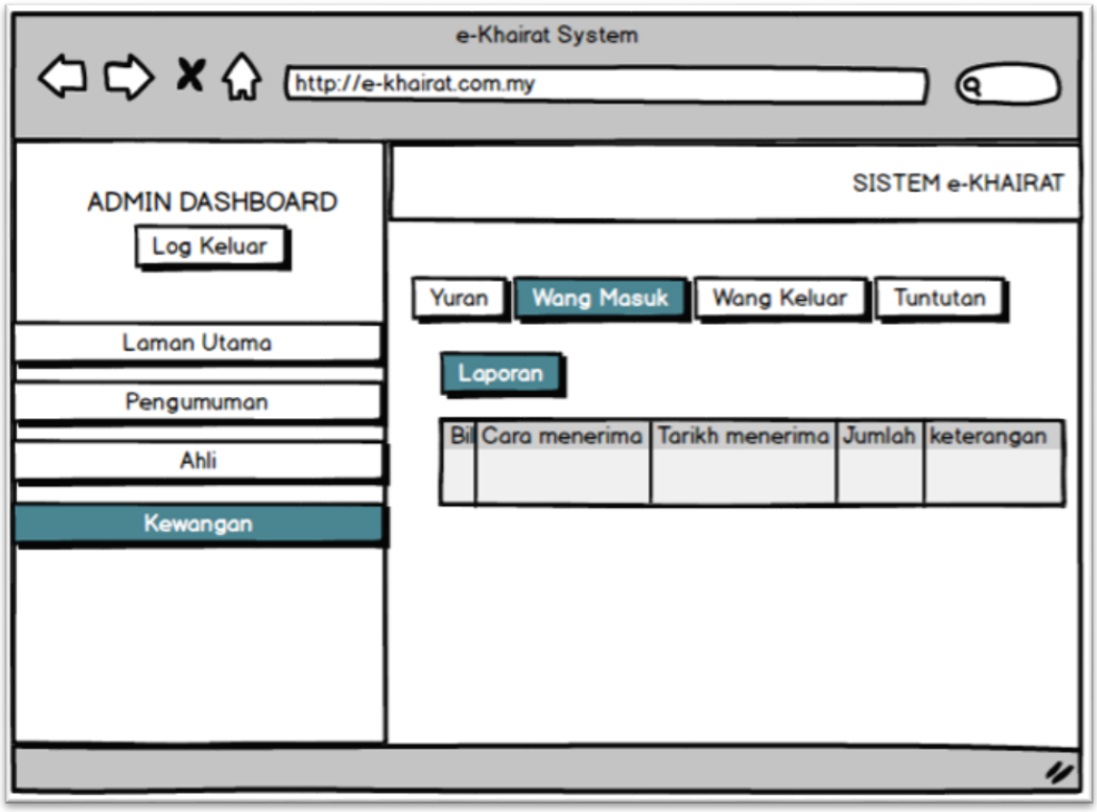
Links from screen page: 2, 16

Links to screen page 1, 12, 13, 15, 16, 19, 21

Screen Description:

1. Consist of financial menu.
2. Admin is able to store all the information about money in.
3. Content the button “laporan” to view the report about the money in.

Screen Title: e-Khairat Admin Money In Report page Screen 18 of 22



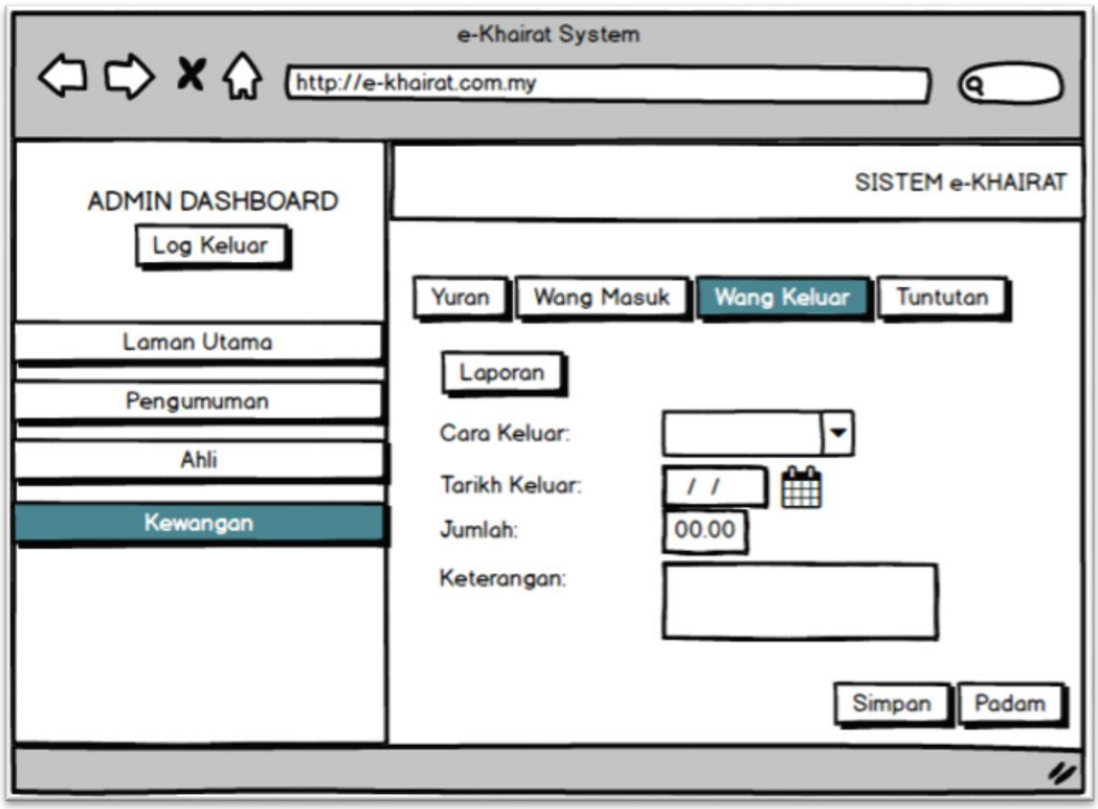
Links from screen page: 2, 16, 17

Links to screen page 1, 12, 13, 15, 16, 17, 19, 21

Screen Description:

1. View the report about money in.

Screen Title: e-Khairat Admin Money Out Page Screen 19 of 22



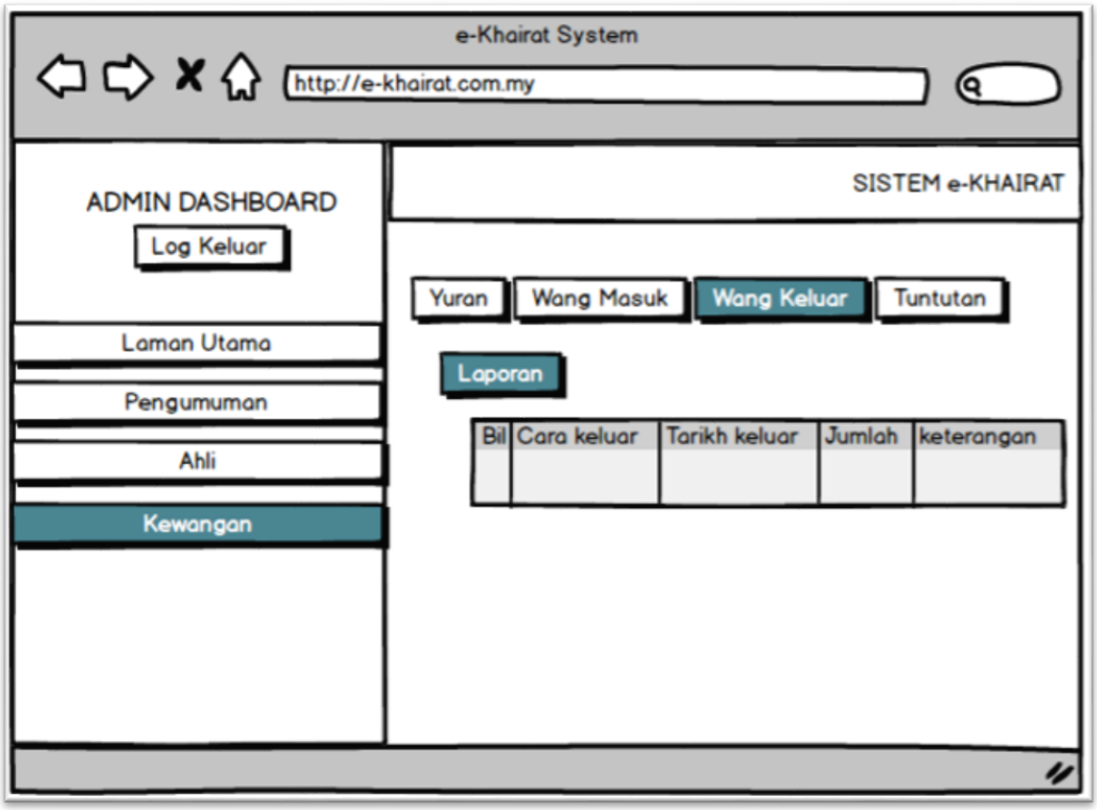
Links from screen page: 2, 16,

Links to screen page 1, 12, 13, 14, 15, 16, 17, 20, 21

Screen Description:

1. Consist of financial menu.
2. Admin is able to store all information about money out.
3. Content the “laporan” button to view the money out report.

Screen Title: e-Khairat Admin Money Out Report Page Screen 20 of 22



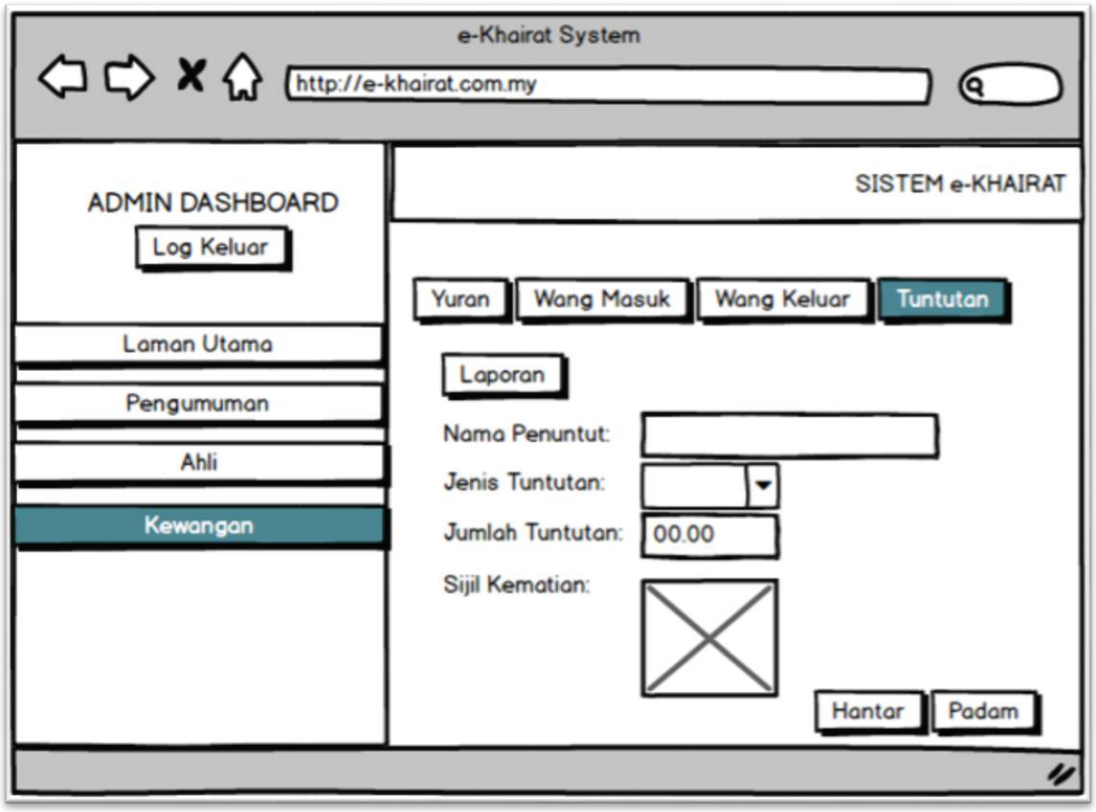
Links from screen page: 2, 16, 19

Links to screen page: 1, 12, 13, 14, 15, 16, 17, 21

Screen Description:

1. View the report about money out.

Screen Title: e-Khairat Admin Claim Page Screen 21 of 22



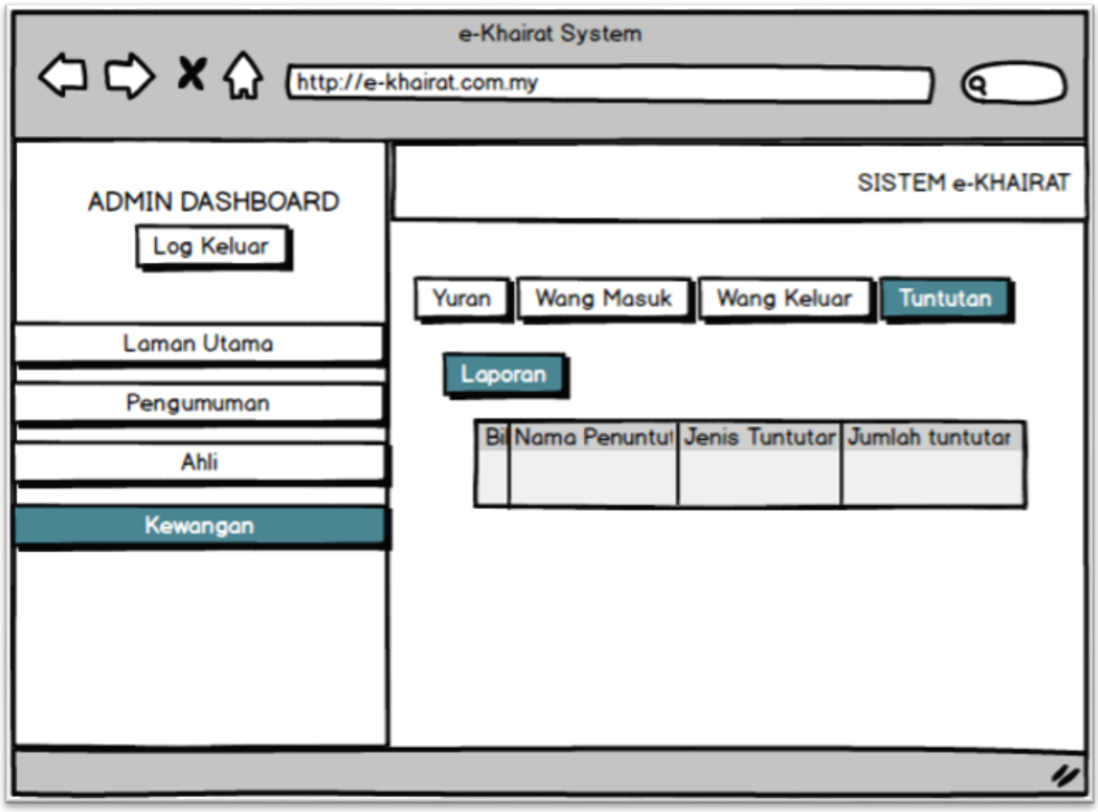
Links from screen page: 2, 16

Links to screen page: 1, 12, 13, 14, 15, 16, 17, 19, 22

Screen Description:

1. Content the financial menu.
2. Content button “laporan” to view the report about the claim.

Screen Title: e-Khairat Admin Claim Report Page Screen 22 of 22



Links from screen page: 2, 16, 21

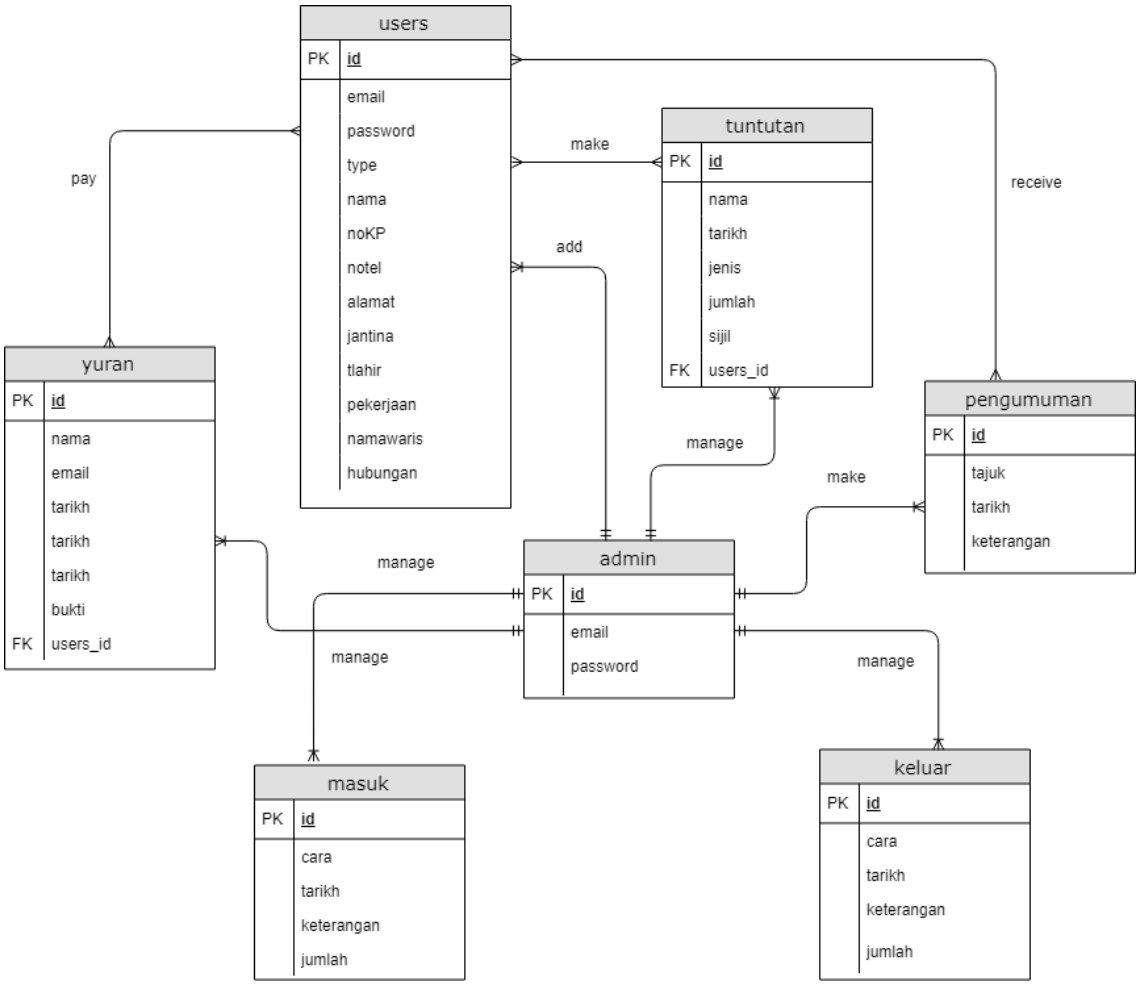
Links to screen page: 1, 12, 13, 15, 16, 17, 19

Screen Description:

1. View the report sbout the claim.

APPENDIX 2

ER DIAGRAM



APPENDIX 3
USER MANUAL

01 GENERAL INFORMATION

1.1 System Overview

e-Khairat systemis a prototype that used Xampp server. All the data from this system uses MySQL server database that provided by Xampp which is saved in phpMyAdmin database. This prototype system is created for three type of user which are administration, member of this system which already register, and user who are visitor of this e-Khairat system. Administration, who handle by one of e-Khairat staff will be able to add, update, delete and view any information of the member and the system. Other than that, the can manage the fees from this system. While, the user who are member of this system able to add and update their personal information. Member also can view the new announcement from this system. Lastly, the user who are visitor to this system can view all the general information about the system such as location and contact number.

02 SYSTEM SUMMARY

2.1 System Configuration

This e-Khairat system can be operate by using browser such as Google Chrome, Internet Explorer, Firefox, etc. Firstly, the Xampp server need to be running as a local host. Otherwise, the system may not be work properly. Figure 2.1 below shows the example of error when the Xampp server is not running by using Internet Explorer. While, Figure 2.2 shows the example of error when the Xampp is not running properly by using Google Chrome.

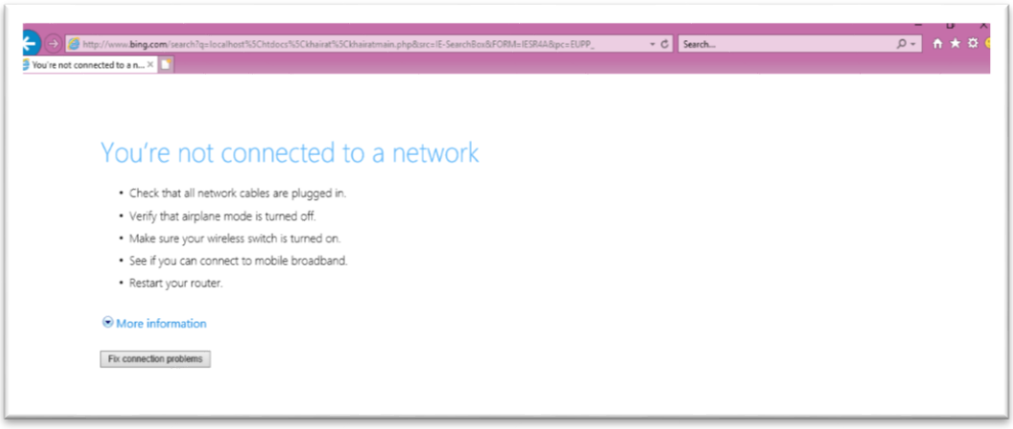


Figure 2.1 Error occurs when Xampp not running(Internet Explorer)

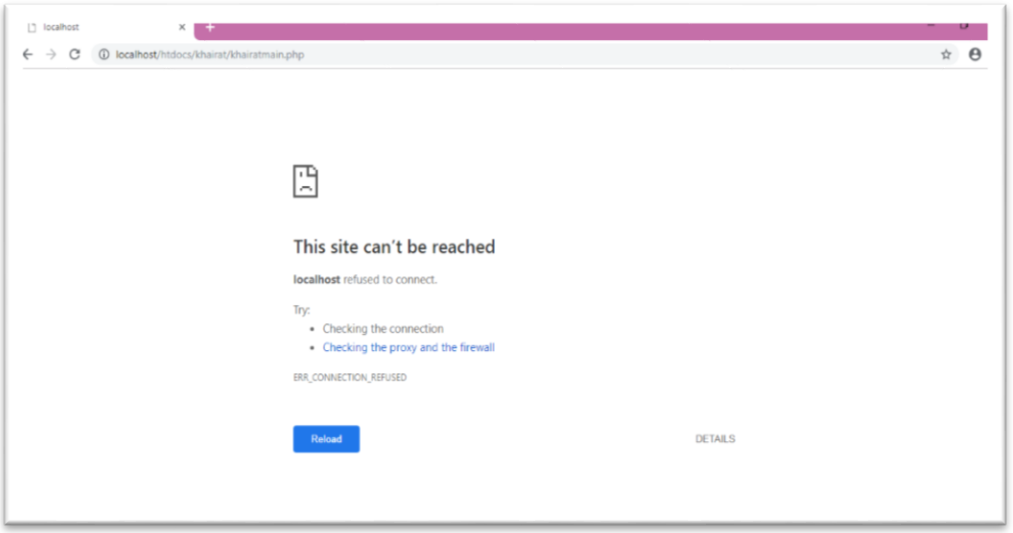


Figure 2.2 Error occurs when Xampp not running (Google Chrome)

2.2 User Access Levels

In this e-Khairat system, there are three type of user who can access this system which are administration(admin), user who are member, and user who are visitor.

User 1: Administration(admin)

Administration or admin of this system will be able to manage this system. Admin can do all function such as add, update, delete and view. Besides, all the information and detail about the member also can be view by admin. All the fees and transaction that happened in this system is under the administrator

control. Admin is forbidden from expose all the data and information that include in this system as it is privacy and confidential.

User 2: Member (who are register)

User who already register as a member of this system can access this system as a member. Member of this system able to view all the announcement in this system. Member also can add and update their detail and information in this system. They also can view the amount of fees that need to pay as a member.

User 3: Visitor (who do not register)

Visitor is a user of this system that not register. This user is only can view the general information about this system such as location, contact number and others.

03 GETTING STARTED

3.1 Installation and Logging in

First, install the Xampp sever and running the xampp to access this system. After that login into the system. Figure 3.1 below show the login interface of this system.

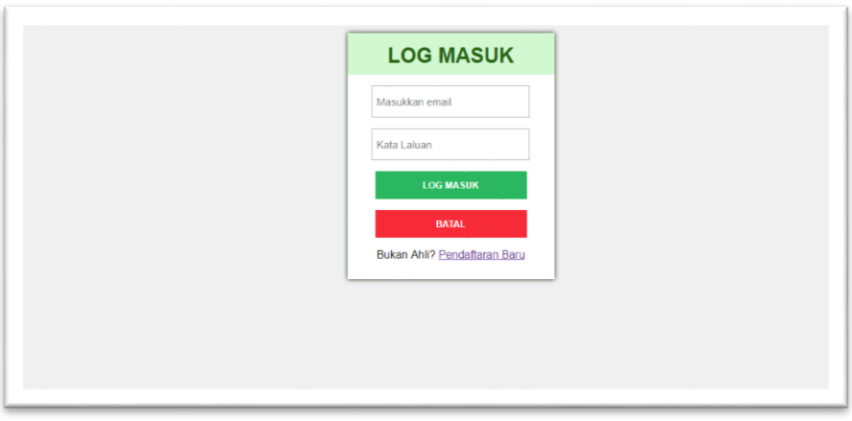


Figure 3.1 Login interface

3.2 System Menu

e-Khairat system have three different user that will use this system. Therefore, there is there different main page for different user which are main page for user who are visitor, main page for user who are member and main page for administration or admin. Figure 3.2, 3.3, and 3.4 below shows the different main page for different type of user.

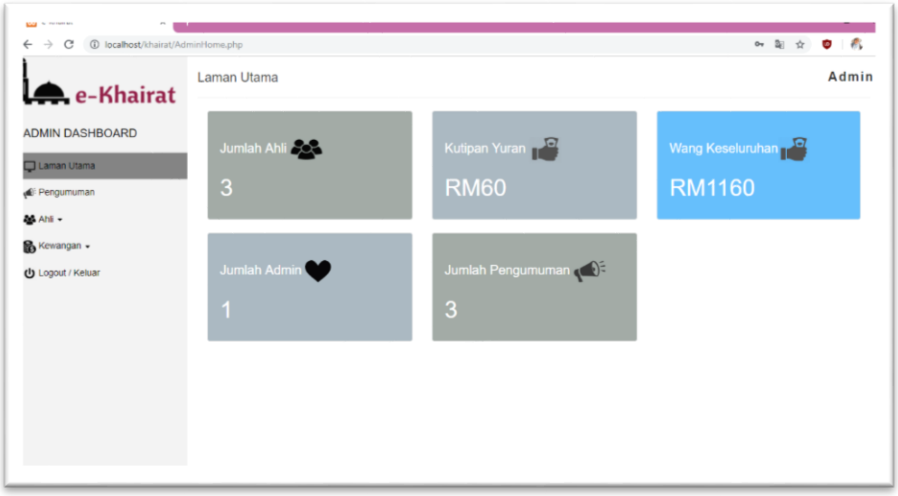


Figure 3.2 Main page for admin

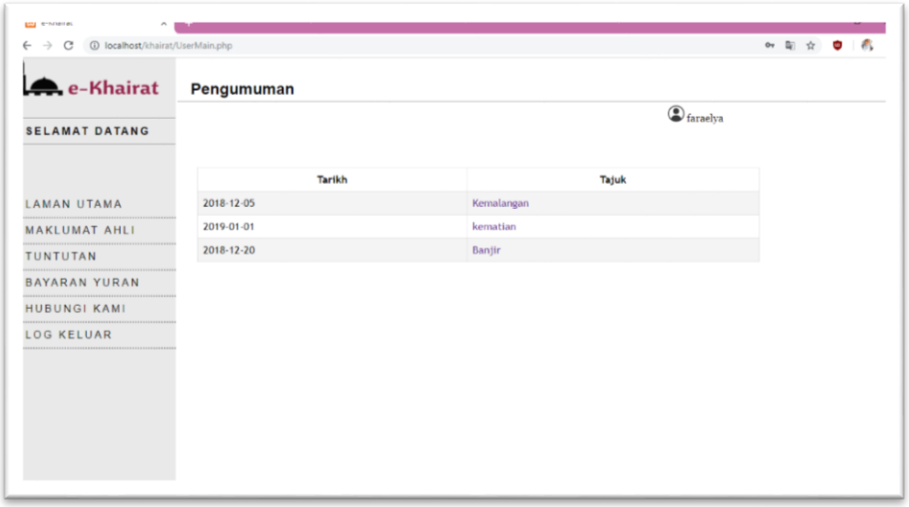


Figure 3.3 Main page for member

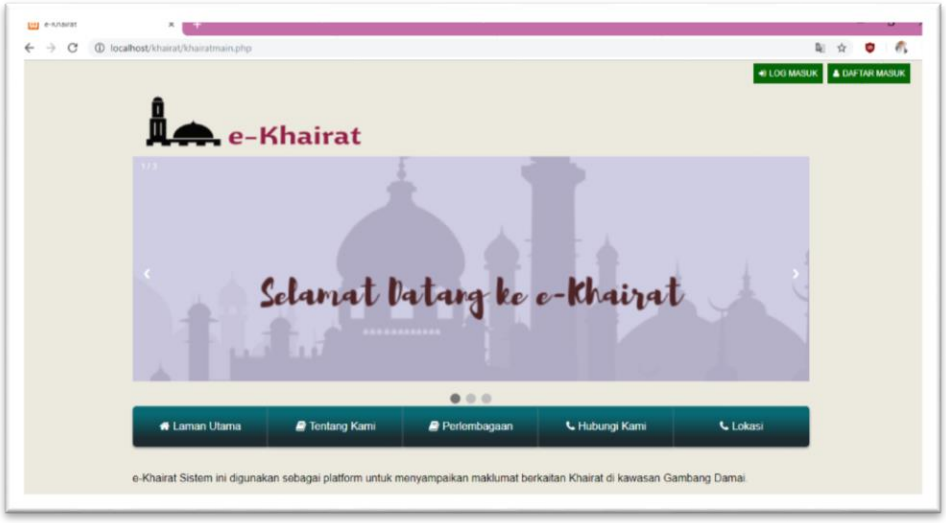


Figure 3.4 Main page for visitor

3.3 Starting the application

In order to run this system, first make sure that Xampp server is running by clicking the button start for Apache and MySQL. Figure 3.5 below shows how to run the Xampp server.

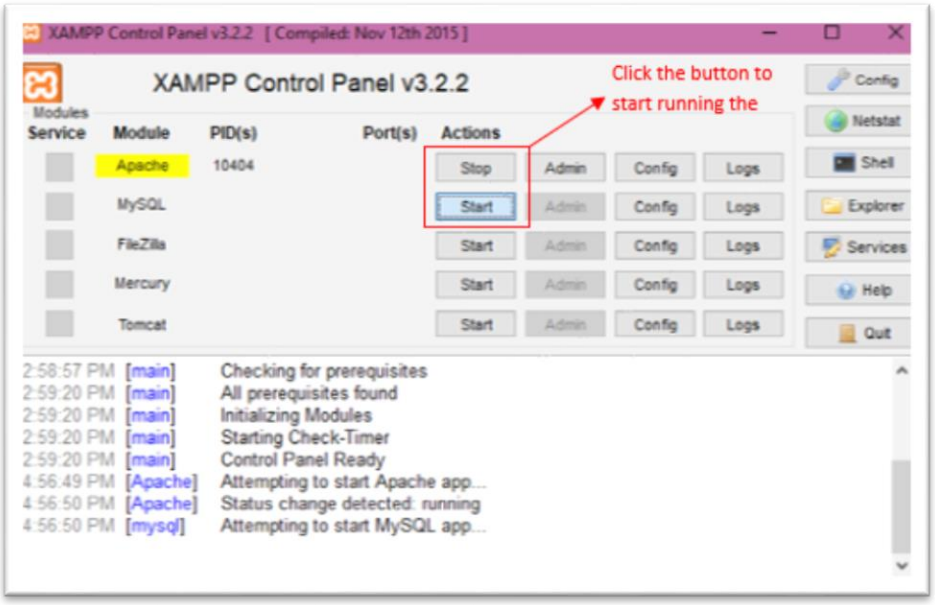


Figure 3.5 How to run the Xampp server

After Xampp server is run, then run the system through the browser and put localhost in front of it. Figure 3.6 below shows the actions.

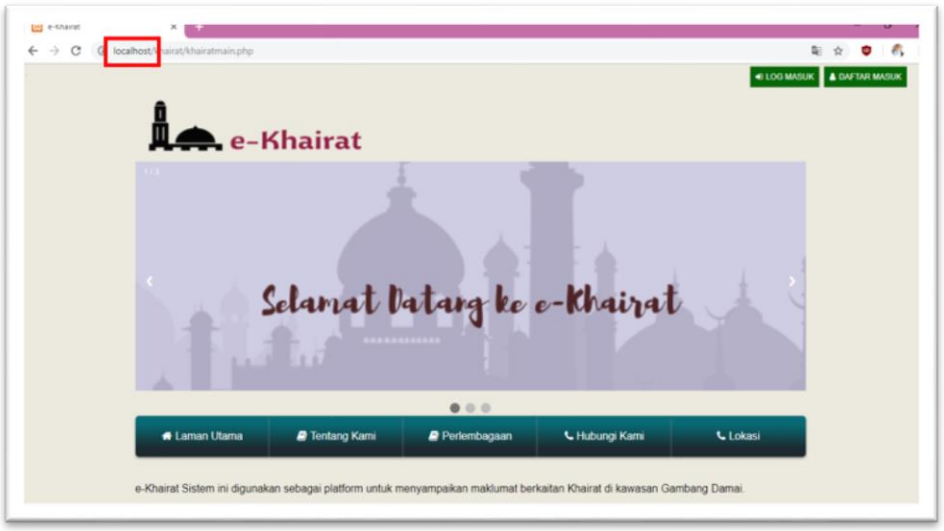


Figure 3.6 Put the localhost in front

3.4 Exit system

Figure 3.7 below shows admin log out button. If the admin clicked the log out button, admin will exit the main system for admin.

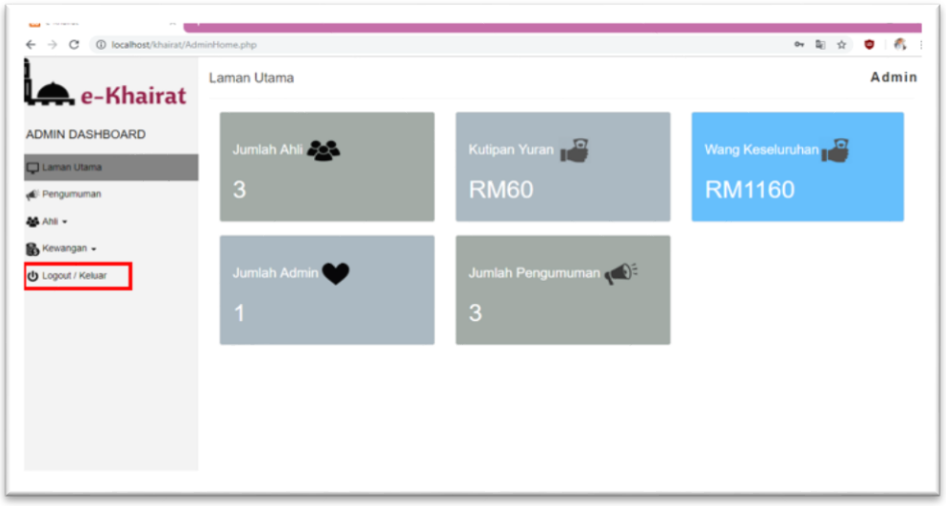


Figure 3.7 How to logout for admin

Figure 3.8 below shows how to logout from the system for member. Member need to click the log out button to exit the system.

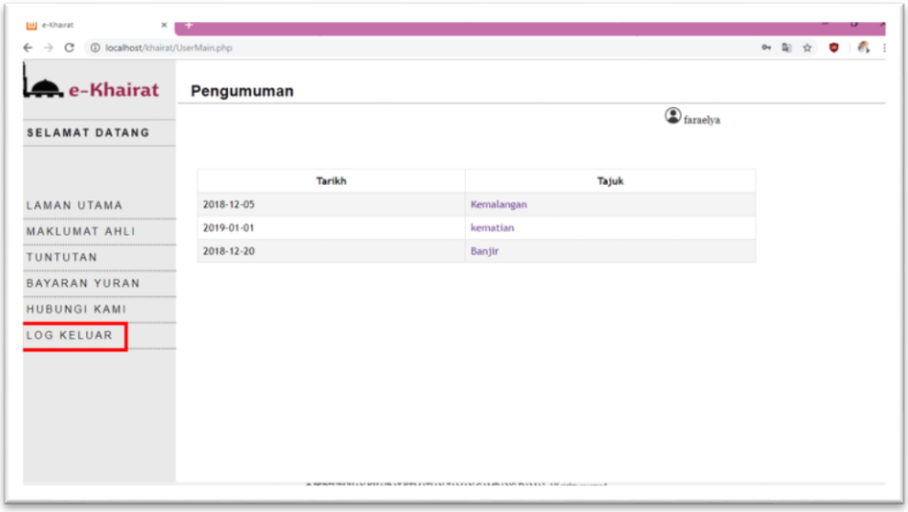


Figure 3.8 How to log out for member

APPENDIX 4

USER ACCEPTANCE TEST (UAT)

Table 1.1 Test Case Login (Administrator)

No.	Event	Test Data	Expected Result	Actual Result	Pass/Fail	Comment
1.	Login with right input	Insert email and password	System will go to admin main page	Admin main page will appear	Pass	
2.	Login with wrong input	Insert the right email but wrong password	System will notify admin to insert the right password	System required admin to insert again with right password	Pass	
3.	Login with wrong input	Insert the wrong format of email	System will notify admin to insert the right format of email	System required admin to insert the right format of email	Pass	
4.	Login with wrong input	Insert nothing in email and password	System will notify admin to insert right email and password	System required admin to insert the email and password	Pass	

Table 1.2 Test Case Add Announcement (Administrator)

No.	Event	Test Data	Expected Result	Actual Result	Pass/Fail	Comment
1.	Admin insert complete information	Insert title, date and detail of announcement and click the submit button	System will notify for success add the announcement	System will view the announcement that has been created	Pass	

Table 1.3 Test Case View Announcement (Administrator)

No.	Event	Test Data	Expected Result	Actual Result	Pass/Fail	Comment
1.	View the announcement	View title, date and detail about the announcement	System will view the announcement	All the announcement that has been created will be show	Pass	

Table 1.4 Test Case Delete Announcement (Administrator)

No.	Event	Test Data	Expected Result	Actual Result	Pass/Fail	Comment
1.	Delete the announcement	Delete button is clicking to delete the announcement	System will notify for success delete the announcement	System execute the data that has been deleted	Pass	

Table 1.5 Test Case Add Member (Administrator)

No.	Event	Test Data	Expected Result	Actual Result	Pass/Fail	Comment
1.	Admin insert complete information	Insert the user information into the form	System will notify the admin for the success add the member	System will view the new member information that has been added	Pass	

Table 1.6 Test Case View Member (Administrator)

No.	Event	Test Data	Expected Result	Actual Result	Pass/Fail	Comment
1.	View list of members	Click the list of member button	System will view list of members	System view list of members	Pass	

Table 1.7 Test Case Update Member Information (Administrator)

No.	Event	Test Data	Expected Result	Actual Result	Pass/Fail	Comment
1.	Update member information	Click the update button and edit the member information	System successfully update the member information	System view updated information that has been success	Pass	

Table 1.8 Test Case Manage Money in/out (Administrator)

No.	Event	Test Data	Expected Result	Actual Result	Pass/Fail	Comment
1.	Admin insert complete information	Choose the way, insert the date, detail and amount.	System will notify the admin for the successful insert new data	System view the data that has been insert	Pass	
2.	Admin insert incomplete information	Choose the way, insert the date and detail but insert nothing to amount.	System will notify the admin to insert the amount	System notify admin to insert the amount	Pass	

Table 1.9 Test Case View List Money in/out (Administrator)

No.	Event	Test Data	Expected Result	Actual Result	Pass/Fail	Comment
1.	View list of money in/out	Click the report of money in/out button	System will view list of money in/out	System view list of money in/out	Pass	

Table 1.10 Test Case Manage Fee (Administrator)

No.	Event	Test Data	Expected Result	Actual Result	Pass/Fail	Comment
1.	Admin insert complete information	Insert member name, date, amount and detail about fee	System will notify the admin for the successful insert new data	System view the data that has been insert	Pass	
2.	Admin insert incomplete information	Insert member name, date and detail about fee but insert nothing to amount.	System will notify the admin to insert the amount	System notify admin to insert the amount	Pass	

Table 1.11 Test Case View Fee (Administrator)

No.	Event	Test Data	Expected Result	Actual Result	Pass/Fail	Comment
1.	View list of fees	Click the report of fee button	System will view list of fees	System view list of fees	Pass	

Table 1.12 Test Case Manage Claims (Administrator)

No.	Event	Test Data	Expected Result	Actual Result	Pass/Fail	Comment
1.	Admin insert complete information	Insert name, date, type of claim, and amount of claim	System will notify the admin for the successful insert new data	System view the data that has been insert	Pass	
2.	Admin insert incomplete information	Insert name, date and type of claim but insert nothing to amount.	System will notify the admin to insert the amount	System notify admin to insert the amount	Pass	

Table 1.13 Test Case View Claim (Administrator)

No.	Event	Test Data	Expected Result	Actual Result	Pass/Fail	Comment
1.	View list of claims	Click the report of claim button	System will view list of claims	System view list of claims	Pass	

Table 1.14 Test Case Logout (Administrator)

No.	Event	Test Data	Expected Result	Actual Result	Pass/Fail	Comment
1.	Logout	Click logout button	System will view the main page of the system	System will view the main page of the system	Pass	

Table 1.15 Test Case Login (Member)

No.	Event	Test Data	Expected Result	Actual Result	Pass/Fail	Comment
1.	Login with right input	Insert email and password	System will go to member main page	Member main page will appear	Pass	
2.	Login with wrong input	Insert the right email but wrong password	System will notify member to insert the right password	System required member to insert again with right password	Pass	
3.	Login with wrong input	Insert the wrong format of email	System will notify member to insert the right format of email	System required member to insert the right format of email	Pass	
4.	Login with wrong input	Insert nothing in email and password	System will notify member to insert right email and password	System required member to insert the email and password	Pass	

Table 1.16 Test Case View Announcement (Member)

No.	Event	Test Data	Expected Result	Actual Result	Pass/Fail	Comment
1.	View the announcement	View title, date and detail about the announcement	System will view the announcement	All the announcement that has been created by admin is shown	Pass	

Table 1.17 Test Case View Member Information (Member)

No.	Event	Test Data	Expected Result	Actual Result	Pass/Fail	Comment
1.	View members information	Click the member information button	System will view members information	System will view members information	Pass	

Table 1.18 Test Case Update Member Information (Administrator)

No.	Event	Test Data	Expected Result	Actual Result	Pass/Fail	Comment
1.	Update member information	Click the update button and edit the member information	System successfully update the member information	System view updated information that has been success	Pass	

Table 1.19 Test Case Make Claim (Member)

No.	Event	Test Data	Expected Result	Actual Result	Pass/Fail	Comment
1.	Member insert complete information	Insert name, date, type of claim, and amount of claim	System will notify the member for the successful insert new data	System view the data that has been insert	Pass	
2.	Member insert incomplete information	Insert name, date and type of claim but insert nothing to amount.	System will notify the member to insert the amount	System required member to insert the amount	Pass	

Table 1.20 Test Case View Fee (Administrator)

No.	Event	Test Data	Expected Result	Actual Result	Pass/Fail	Comment
1.	View fees	Click the fee button	System will view fees of member	System view fees	Pass	

Table 1.21 Test Case Logout (Administrator)

No.	Event	Test Data	Expected Result	Actual Result	Pass/Fail	Comment
1.	Logout	Click logout button	System will view the main page of the system	System will view the main page of the system	Pass	

	Name	Date
Verified by: _____ Developer	NUR FARAELYA AZIRA BINTI SAMAN	10 JANUARY 2019
Approved by: _____ Client	NUR ALNISA' ANIS ALANNA BINTI RUZELAN	10 JANUARY 2019