# SUPERPROPOS: PRODUCT ORDERING SYSTEM

# RINA BINTI ISHAK

# Bachelor of Computer Science (Software Engineering) with Honours

# UNIVERSITI MALAYSIA PAHANG

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#### SUPERPROPOS: PRODUCT ORDERING SYSTEM

RINA BINTI ISHAK

Thesis submitted in fulfillment of the requirements for the award of the degree of Bachelor of Computer Science (Software Engineering) with Honours

Faculty of Computing
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#### ABSTRAK

Minat yang meningkat dalam e-dagang telah menjadikan internet sebagai platform utama untuk menjalankan perniagaan. Walau bagaimanapun, dalam beberapa kes, penjual menghadapi cabaran ketika mengendalikan pesanan besar daripada pelanggan. Penjual sering perlu menghubungi admin untuk mengesahkan pembayaran sebelum meneruskan pesanan kepada staf gudang, yang menyebabkan kelewatan dan menjejaskan kepercayaan pelanggan. Kesilapan dalam pembungkusan dan penghantaran produk juga berlaku disebabkan persamaan butiran pesanan. Selain itu, penjual menghadapi kesulitan untuk membuat aduan dan memastikan pembungkusan pesanan yang tepat.

Untuk menangani masalah ini, satu kajian mengenai kaedah semasa memesan produk dalam sistem yang dimodenkan telah dijalankan. Kajian ini membawa kepada pembangunan *SuperProPOS: Product Ordering System*, yang bertujuan untuk menyelaraskan dan mempercepatkan proses pesanan. Selepas menyelesaikan pembangunan sistem, ujian telah dijalankan untuk mengukur fungsionaliti sistem.

Keputusan ujian menunjukkan bahawa sistem ini membolehkan penjual meletakkan pesanan dengan lebih cekap, menghantar pesanan kepada admin untuk kelulusan, dan seterusnya memberi makluman kepada staf gudang untuk pembungkusan dan mengemaskini status pesanan. Pemasar juga dapat memantau aktiviti penjual melalui sistem, dan penjual dapat dengan mudah membuat aduan mengenai sebarang masalah pesanan. Keseluruhan, sistem ini meningkatkan kecekapan proses perniagaan dan kepuasan pelanggan.

#### ABSTRACT

The growing interest in e-commerce has made the internet the primary platform for conducting business. However, in some cases, sellers face challenges when handling large orders from customers. Sellers often need to contact the admin to confirm payments before forwarding orders to the warehouse staff, leading to delays and impacting customer trust. Mistakes in product packaging and delivery also occur due to the similarity of order details. Additionally, sellers struggle to make complaints and ensure accurate order packing.

To address these issues, a study of the current method of ordering products in an improvised system was conducted. This study led to the development of the SuperProPOS: Product Ordering System, aimed at streamlining and expediting the order process. After completing the system development, testing was carried out to measure its functionality.

The results of the testing showed that the system allows sellers to place orders more efficiently, sending the orders to the admin for approval and subsequently notifying the warehouse staff for packing and updating the order status. Marketers can also monitor seller activities through the system, and sellers can easily lodge complaints regarding any order issues. Overall, this system enhances business process efficiency and customer satisfaction.

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#### **CHAPTER 1**

#### **INTRODUCTION**

#### 1.1 Introduction

Nowadays a lot of people are interested in doing business, especially the ecommerce business. This is because the internet has become the main platform of people conducting their business in this era.

In business, there are some cases where the customers ordered hundreds of products from seller. The seller needs to ask for confirmation of the payment from the admin by call or message to proceed their order to the warehouse staff. Then, the warehouse staff process and update the status of the orders to the seller.

From this scenario, it shows that there are some disadvantages facing by the seller to place the order from the customers. It may lead to late reply from the admin that can cause the seller having difficulties to get the trust from the customers again. Next, the warehouse staff may make some mistake in packing the product that should be sent to right customers because of the similarities of customers details. The customers may feel dissatisfied with the wrong product that have been received by them.

By developing the SuperProPOS: Product Ordering System, it helps the seller to make an order for customer in an easier and faster way. The system can send the order to admin for the approval. Once the admin approves the order, the warehouse staff receive the order and start packing the request. After that, the warehouse staff can update the status of the order to the seller and customer in the system. The marketer who is in charge monitoring the seller, can view the activities of the seller from the system. Complaint also can be made for the order by seller to inform the warehouse staff about the problem of the order.

#### **1.2 Problem Statement**

The first problem that a business company faces is with their way of submitting and getting an approval for the order payment. This is because the seller must get approval of the order payment from admin via call or message. The admin may take a slow time in approving the payment or overlooked the message of the payment sent by seller. Next, the warehouse staff also faces a problem by mistaking the order details. This is because the warehouse staff normally confuses with the naming and the quantity of the product that need to be packed from the receipt. Lastly, the seller faces a hard time to make a complaint of their order. This is because the seller has to make a complaint via message in a group chat and remind the warehouse staff of their order frequently, in case the warehouse staff might overlooked the complaint message from other message in the group chat.

To solve these problems, the SuperProPOS: Product Ordering System can help the seller to make an order in a faster way and the admin can approve the order payment through the system. Next, SuperProPOS: Product Ordering System can help the warehouse staff by providing an accurate detail of the product including the image of product that should be pack from the system. Through the product images, the warehouse staff is more aware with the product that need to be packed. Lastly, the SuperProPOS: Product Ordering System can help the seller making a complaint easily. This is because the seller can see their complaint status and description of the complaint in the system. Thus, by developing SuperProPOS: Product Ordering System can help to solve these problems.

#### 1.3 Objectives

- i. To study the current method of ordering product in an improvised system.
- ii. To develop a prototype of SuperProPOS: Product Ordering System in web based.

iii. To evaluate the proposed prototype of the SuperProPOS: Product Ordering System in web based.

#### 1.4 Scope

The SuperProPOS: Product Ordering System involved with 4 types of users, Seller, Marketer, Admin and Warehouse staff. Marketer is allowed to monitor the sellers' activities. Seller is allowed to make an order in the SuperProPOS: Product Ordering System for the customers. Admin then approve the payment of the products to the warehouse staff. Warehouse staff received the order and update the order status to the seller.

The function that available in the SuperProPOS: Product Ordering System is the seller, marketer, admin, and warehouse staff can access to the system by login with their username and password. Admin is responsible in registering Marketer, Seller and Warehouse staff to the system. Marketer is assigning to each seller. Next, the marketer, seller, admin, and warehouse staff can manage their profile. Then, admin and warehouse staff able to manage the order for customer. Lastly, the marketer, seller and warehouse staff are able to manage complaint for the product ordered.

The platforms that are being used for developing the SuperProPOS: Product Ordering System are using PHP, CSS and JavaScript for the framework. MySQL and XAMPP are being used as the database platform. The local host is being used to run the system.

#### 1.5 Thesis Organization

Chapter 1 discusses the introduction of the SuperProPOS: Product Ordering System project.

Chapter 2 discusses the comparison of existing systems related to the SuperProPOS: Product Ordering System. These existing systems could be improved and implemented in the SuperProPOS: Product Ordering System.

Chapter 3 discusses the methodology suitable for the SuperProPOS: Product Ordering System. It covers the system requirements and the flow of the entire process.

Chapter 4 discusses the implementation, results, and discussion of the SuperProPOS: Product Ordering System. This chapter explains the development environment, functionality, system testing, and the discussion of results.

Chapter 5 discusses the conclusion of the SuperProPOS: Product Ordering System project. It explains the system constraints and future work that may be related to the system in the future.

#### **CHAPTER 2**

#### LITERATURE REVIEW

#### 2.1 Introduction

This chapter discuss about the literature review that have been studied for the SuperProPOS: Product Ordering System. It discusses about chapter 2.2 called *Current System Operation* and chapter 2.3 *Related Systems*. The chapter 2.3 consist of sub-chapter 2.3.1 *Obsess Cosmetics*, sub-chapter 2.3.2 *Bio-Asli* and sub-chapter 2.3.3 *D'Herbs*. Chapter 2.4 called *Analysis/Comparison of Existing System* is discussing about the sub-chapter 2.3.1 *Analysis of comparison on existing system* and sub-chapter 2.3.3 called *Relevance of comparison with the project title*. Lastly, it discusses about the summary of chapter 2.4 called *Summary*.

#### 2.2 Current System Operation

The current system operation of the business company is, the company have to make an order from a third-party website called *Bizapp*. The customer needs to chat the seller in *WhatsApp* to buy the products. Then, the seller need make the order for the customer through the *Bizapp* website and send the proof of payment through *WhatsApp* like image of receipt to the admin. The admin verifies and updates the status of the order in the *Bizapp* and the warehouse staff then process the sellers' orders. If any complaint is made by the customer about their order, the seller have to make a complaint in a WhatsApp group of the company to inform about the status of the customers' orders. Figure 2.1 shows the current third-party system called *Bizapp* used by the company.



Figure 2.1 Bizzapp Website Main Page

Seller sends the customer's order detail and image of receipt payment to the admin. Admin of the company reply with an emoji thumbs up representing that the order and payment is successful. Figure 2.2 shows the chat between admin and seller to approve the order and payment of customer.



Figure 2.2 WhatsApp Chat of Order and Payment Approval

Then, the warehouse staff prints out the successful order to packing it according to the ordered product information given. Figure 2.3 shows the example of printed successful order information.

PRI NO DEL SEL TEL TEL TEL TEL PRI	CONTRACTOR	DELIVERY ORDER
NO	DESCRIPTION	QUANTITY
1. 2. 3.	FREEGIFT SHAKER Z IRIS-UP SUSU IRIS-UP SUSU	1
_	TOTAL	3
	90+10	

Figure 2.3 Example of Printed Successful Order Information

The complaint of the ordered product needs to be made by the seller in a group *WhatsApp* called "Customer Report" to inform the warehouse staff about the problem with the order. Figure 2.4 shows the example of the complaint sent by the seller to the warehouse staff in the group chat.



Figure 2.4 Whatsapp Chat Group for Order Complaint

#### 2.3 Related Systems

The related systems for this sub-chapter 2.3 are Obsess Cosmetics, Bio-Asli and D'Herbs.

#### 2.3.1 Obsess Cosmetics

*Obsess Cosmetics* is an e-commerce company that used website as their platform to sell their product like cosmetics and skin care for woman. This website is a web-based system that allow customer to buy product from the company easily. The customer must sign-in to the website or reach their agent to buy the product from the company. To register to the website, the customer must get the registration link from their leader or upline. Figure 2.5 shows the interface of the registration of the system.

	NOVEMBER RAIN IS HAPPENING NOW I NEW COMBO AWAITS YOU				
b)		HOME ALL PRODUCT SHOP	CONTACT Q	≗ ¥	
	Poristration /				
	Fix Name	063233)			
	1				
	Last Name *				
	Email *				
	Phone *				
	Pressured *				
	Password	ω			

Figure 2.5 Obsess Cosmetics Registration Form

*Obsess Cosmetics* website allows the customers to choose and buy the products easily. The sign-in customers must choose the products and fill in the shipment form to allow them to buy the products online. The customer can choose two option of shipping which is "Shipping by Courier" or "Self-Pickup". The payment of the products can be made through online banking. Figure 2.6 shows the shipment information of the ordered product.

TREATMENT CUSHION FOUNDATION BIR Color: BEIGE, Size: No size	Phone *		1	R
Cart Subtotal	Full Name *			R
* Shipping				
● Shipping By Courier ○ Self Pickup	Address Line 1 *			
malaysia				
No shipping address. Please AD	Address Line 2			
	Post Code *			
	Country *	•		
		*		
		Cancel		

Figure 2.6 Obsess Cosmetics Shipping Form of Ordered Product

## 2.3.2 Bio-Asli

*Bio-Asli* is a trading company that used website as their main platform to do their business. This company sell health products for all types of people. This company used web-based system that allow customer to buy product from the company easily. Figure 2.7 shows the main page of *Bio-Asli* website.



Figure 2.7 Bio-Asli Website Main Page

*Bio-Asli* customer is allowed to sign-in or not sign-in to order their product from the websites. Sign-in customer can get more discount based on their order quantity on the website. The staff also can make an order for the customer by using the customer ID to help the novice users especially senior citizen. The customer or staff need to fill the shipment information to allow the product to be ordered. Customer or staff can choose three methods of payment for the products which is "Perbankkan Internet", "Kaunter Bank" or "Mesin ATM/CDM". Once the ordered product is successful, the customer needs to fill the payment form as a proof of successful payment by the customer. Figure 2.8 shows the total price and shipping form of customer. While figure 2.9 shows the payment form that need to be fill by the customers.

<u> </u>			
Bio-Soli UTAMA KATEGORI PRODUK - TESTIMON	NI PEMBAYARAN PENGHAN	ITARAN HUBUNGI KAMI LOGIN AH	u 🛎 😸
Maklumat Penghantaran	Sub-Jumlah	RM 40.00	
Anda	Lokasi	MALAYSIA	
Nama Anda *	Kos Pos	RM 0.00	f
Rina test	Berat	200 gram	0
No. H/P Anda *			0
1231313	JUMI	LAH RM	
Alamat E-Mail *	BESA	AR: 40.00	+
1212131			
kaeaan Pembayaran *			
Perbankkan Internet			
Perbankkan Internet			
Kaunter Bank			_
Mesin ATM / CDM			TOP

Figure 2.8 Bio-Asli Shipping Form and Total Price of Ordered Product

Sahkan Bayaran Anda
Nota : Setelah membuat pembayaran, sila isikan butir bayaran anda di bawah :
Nama Anda *
Nama Anda
ID Tempahan *
Contoh : Mohd234567sh
Bayar Ke Akaun *
Maybank (Bioasli Network) v
Dari Bank *
Contoh : BSN @ Maybank @ Public Bank @ Cimb Bank
Kaedah Bayaran *
Perbankkan Internet v
Tarikh *
Contoh : 1 / 2 / 2018 @ 1 Feb 2018
Masa *
Contoh : 10.30 pagi

Figure 2.9 Bio-Asli Payment Form

## 2.3.3 D'Herbs

*D'Herbs* is a company that sell health product that can be used by all generation. This company used web-based system that allow customer to buy product from the company easily. Figure 2.2.3.1 shows the main page of *D'Herbs* websites.

D'HERBS TERLAJAK LARIS	
Home Catalog • News Location	
Perawan Wash	

Figure 2.10 D'Herbs Website Main Page

*D'Herbs*'s customers need to go to the "Catalog" menu to order the product. All the option of the product is displayed including the picture, name, and price. Once the products were chosen, the customer need to fill their contact information for shipment of

product and proceed with the payment of product. The ordered is successful once the payment is successful. Figure 2.11 shows the total payment and shipping information form of customer.

D'HERBS TERLALIAK LARIS	*	Perawan Wash Bidara	RM 19.90
Cart / Checkout	Shippin	g	RM 19.90 RM 0.00
Contact information Rine Islat: rina.shak9@gmail.com tog.out	Total	R	M 19.90
Add your phone number			
Phone			
Shipping address			
First name			

Figure 2.11 D'Herbs Total Payment and Shipping Form

#### 2.4 Analysis/Comparison of Existing System

#### 2.4.1 Analysis of comparison on existing system

Based on the Existing Systems 2.2, Table 2.3.1 shows the comparison of the three existing product ordering websites. The features that are being compared includes Graphical User Interface (GUI), functions, advantages, and disadvantages of the websites.

Through the three compared websites, those websites have its own advantage and disadvantages. *Obsess Cosmetics* have a very interesting GUI. The combination of the template colour match with their brand and suitable to attract their target market compared to *Bio-Asli* and *D'herbs*. *Obsess Cosmetics* also provide two options of shipping for the customer which is "Shipping by Courier" or "Self -Pickup" compared to *Bio-Asli* and *D'Herbs* that does not have this option in their websites.

*Bio-Asli* advantages are the websites is full of information. It is suitable for all generation to get through the website compared to *Obsess Cosmetics* and *D'herbs. Bio-Asli* also

provides a lot of payment option for customers who want to pay by using internet banking, bank counter or ATM/CDM machine. This can ease the customers like senior citizen to make payment through the ATM/CDM option compared *Obsess Cosmetics* and *D'Herbs* that only provide online transfer for their customers. The proof of payment needs to be fill in the payment form for the customer who choose to make payment through bank counter or ATM/CDM machine.

As for *D'Herbs*, it has the option for billing address that allow the customer to choose between using the same with shipping address or use a different billing address compared to *Obsess Cosmetics* and *Bio-Asli* that does not have this option. This eases the customer to avoid repeating the same process of filling the shipping and billing form twice.

# Table 2.1Comparison of Three Existing Systems

Website Name	Obsess Cosmetics	Bio-Asli	D'Herbs
Features of Graphical User Interface (GUI).	Interesting and attractive colour combination to attract target customer.	Too crowded and not suitable for all ages customers.	Simple and minimalist with one theme colour.
Functions	<ol> <li>Display all product information.</li> <li>Allow customer to order the product by sign-in to the website.</li> <li>Allow customer to update their profile.</li> </ol>	<ol> <li>Display all product information.</li> <li>Allow customer to order product without sign-in or sign-in to the website.</li> <li>Allow customer to update their profile.</li> </ol>	<ol> <li>Display all product information.</li> <li>Allow customer to order product without sign-in or sign-in to the website.</li> <li>Allow customer to update their profile.</li> </ol>

# Table 2.2

# Advantages and Disadvantages of Three Existing System

Website Name	Obsess Cosmetics	Bio-Asli	D'Herbs	POS: SuperProPOS: Product Ordering System
Advantages	<ol> <li>Have nice GUI.</li> <li>Allow customer to make order easily.</li> <li>Provide two options of shipping for the customer which is Shipping by Courier of Self Pick-up.</li> </ol>	<ol> <li>Allow customer to make order easily.</li> <li>Provide a lot of payment option for customer.</li> </ol>	<ol> <li>Allow customer to make order easily.</li> <li>Allow customers to choose option for billing address.</li> </ol>	<ol> <li>Have nice GUI</li> <li>Allow customer to make order easily.</li> <li>Allow customer to make order easily.</li> <li>Allow customers to choose option for billing address.</li> <li>Provide two options of shipping for the customer which</li> </ol>

				is Shipping by Courier of Self
				Pick-up.
Disadvantages	The customer needs to ask	The cart pages are	The customer only has one	Customers need to order the
	leader/upline to get the	confusing for	option to make payment	product through seller only.
	registration link for the	customer to proceed	which is online banking	
	website.	with shopping or	only.	
		proceed to place		
		order.		

#### 2.4.2 Relevance of comparison with project title

In this project, SuperProPOS: Product Ordering System is relevance with these three existing websites. This is because of all websites have manage order function and it match with the project title which is SuperProPOS: Product Ordering System. The SuperProPOS: Product Ordering System also have registration for admin, seller, marketer, and warehouse staff to allow them to manage order the product. The system allows the seller to make order for the customer by choosing the product and fill-in the shipment form to proceed with ordering the product from the system. The system also allows the seller to choose a few payments option like online banking, bank counter or ATM/CDM payment. The seller needs to send the proof of payment like receipt image to the system to allow the admin to give approval the order. This system also allowed the seller to choose option of the billing address for customer either it is the same as shipping address or different address. To make it interesting, the SuperProPOS: Product Ordering System also allow the seller to make a complaint of their order if any problems happened to the ordered product. The warehouse staff can view and update the status of the complaint to inform the customer or seller about the order complaint. The marketer is able to view all the activities of their assigned seller in the system.

#### 2.5 Summary

As a conclusion the SuperProPOS: Product Ordering System is relevant and relate to the existing systems. These existing systems have some disadvantages and could be improved to be implemented in the SuperProPOS: Product Ordering System.

#### **CHAPTER 3**

#### METHODOLOGY

#### 3.1 Introduction

This chapter discuss about the methodology that is suitable for the SuperProPOS: Product Ordering System. It discusses about chapter 3.2 *Project Methodology*, chapter 3.3 *Project Requirement* which consist of functional and non-functional requirement, constraints and limitation of system. The chapter 3.4 *Propose Design* shows the flowchart, context diagram, use case diagram and description, activity diagram and storyboard of the system. Chapter 3.5 called *Data Design* is discussing about the ERD and Database Dictionary of the system. Chapter 3.6 called *Proof of Initial Concept* provide the design of the proof concept with explanation of the system. Chapter 3.7 called *Testing Plan* and Chapter 3.8 called *Potential Use of Proposed Solution*. Lastly, it shows the project of the SuperProPOS: Product Ordering System in chapter 3.9 called *Gantt Chart*.

#### 3.2 Project Methodology

The methodology of the SuperProPOS: Product Ordering System implemented is Waterfall model of Software Development Life Cycle (SDLC). There are five phases involved in this model which is requirement, design, implementation, verification, and maintenance. Each phase is interacted sequentially into next phase. This methodology helps to prevent a well-defined and predictable project from going over its schedule and budget limits since each phase of the waterfall models are plan thoroughly. The duration of the project also takes around 6 months to be finished until the deadline and it is a sufficient time of the project to be done successfully.


Figure 3.1 Waterfall Model Methodology

Figure 3.1 above shows the process of the Waterfall Model, which follows a sequential approach with distinct phases including Requirement, Design, Development, Testing, Deployment, and Maintenance. Throughout the development of SuperProPOS: Product Ordering System, the project adhered to this rigorous methodology. To ensure efficient project management and timely completion, a Gantt Chart was employed. The SuperProPOS Gantt Chart, presented in Appendix D, facilitated comprehensive planning and monitoring of the project phases. It served as a valuable visual tool to ensure that each stage of the Waterfall Model was executed smoothly and contributed to the successful development of the system.

#### 3.2.1 Requirement Phase

The first phase is Requirement Gathering and Analysis. In here, requirements are gathered and understood by the meeting with the stakeholders like admin, seller, warehouse staff, marketer, software manager for the SuperProPOS: Product Ordering System. Opinions of the stakeholders also is asked to develop the system into a highquality system. The project scope, costs, risks and timeline are also being set in this phase. The system requirements also have been diligently documented and can be referenced in the Software Requirement Specification document provided in Appendix A.

#### 3.2.2 Design Phase

Next, the second phase is System Design phase. In this phase, research of other existing systems that have similarity with SuperProPOS: Product Ordering System is being done. The listed systems are being compared to improvise the system. The technical solution for requirement of SuperProPOS: Product Ordering System is set out. The design of the system model and interface of the SuperProPOS: Product Ordering System of are done in this phase. The detailed design of the system has also been thoroughly documented and can be referred to in the Software Design Document provided in Appendix B.

#### 3.2.3 Development Phase

Later, the third phase is Development phase. The architecture of the system is built to see the flow of the system. The computer language like HTML, PHP, CSS, and JavaScript is being used to code the SuperProPOS: Product Ordering System based on the requirements and specification that have been gathered.

#### **3.2.4** Testing Phase

The fourth phase is Testing phase. Testing of the SuperProPOS: Product Ordering System is done to ensure the system is free error and there is no failure before the system can be released to customers. The testing of the system is performed by the stakeholders and UAT form is given. The User Acceptance Testing of the system has also been thoroughly tested and can be referred to in the User Acceptance Testing document provided in Appendix C.

#### **3.2.5** Deployment Phase

Later, the fifth phase is Deployment phase. The SuperProPOS: Product Ordering System is deployed to the FK INDAH server to ensure that the system is workable and zero-failure.

#### 3.2.6 Maintenance Phase

Lastly, once the deployment phase has passed, the system can be reviewed by the stakeholders. Maintenance is carried out after the deployment, and if any defects are found or change requests come from stakeholders, the SuperProPOS: Product Ordering System needs to update to a new version of the system.

#### 3.3 **Project Requirement**

The project requirement for the SuperProPOS: Product Ordering System consist of functional requirement, non-functional requirement, constraint requirement, limitation requirement and user requirement.

#### 3.3.1 Functional requirement

- The SuperProPOS: Product Ordering System must allow the marketer, seller, admin, and warehouse staff to login to the system.
- The SuperProPOS: Product Ordering System must allow the admin to make registration for seller, marketer and warehouse staff.
- The SuperProPOS: Product Ordering System must allow the admin, warehouse staff, marketer and seller to manage the product.
- The SuperProPOS: Product Ordering System must allow the marketer, seller, admin and warehouse staff to manage the order.
- The SuperProPOS: Product Ordering System must allow the seller and admin to manage the payment of the order.
- The SuperProPOS: Product Ordering System should allow the seller, admin, marketer and warehouse staff to manage the complaint of the order.

#### 3.3.2 Non-Functional Requirement

- Security: Only admin can see all the seller, marketer and warehouse staff personal information.
- Performance: The SuperProPOS: Product Ordering System should be compatible with any Web browser.
- Performance: The SuperProPOS: Product Ordering System should response the interaction between user and the systems not exceed 5 seconds.

#### 3.3.3 Constraint Requirement

- Access Control Constraint: The seller, admin, marketer and warehouse staff must log in to perform any task in SuperProPOS: Product Ordering System. It restricted access to authorised users only.
- Connectivity Constraint: The: SuperProPOS: Product Ordering System must have internet connection to allowed seller, admin, marketer and warehouse staff to use the system.
- Usability Constraint: The SuperProPOS: Product Ordering System should be user-friendly that allow user like seller, admin, marketer and warehouse staff to use the system without errors.
- Time Constraint: The SuperProPOS: Product Ordering System must be developed within the 6 months period given by the clients.
- Availability Constraint: The SuperProPOS: Product Ordering System should be available 99.99% of the time for any 24 hours.

#### 3.3.4 Limitation Requirement

- Technical Limitation: The reliance on an internet connection and the need for SuperProPOS: Product Ordering System availability are technical limitations that impose certain constraints on the system's functionality and usage.
- Time Limitation: The fixed timeline of 6 months for SuperProPOS: Product Ordering System development is a limitation related to time management and project completion.
- Usability Limitation: The expectation for the system to be user-friendly without errors imposes a limitation on the system's design and interface.
- Usability Limitation: The expectation for the system to be user-friendly without errors imposes a limitation on the system's design and interface.

#### 3.4 Propose Design

In this section, the design that related to SuperProPOS: Product Ordering System requirements was described. The Flowchart, Context Diagram, Use Case Diagram and Description and the Activity Diagram of the SuperProPOS: Product Ordering System is shown below.

The detailed of the proposed design also can be found in Appendix A which is the Software Requirement Specification (SRS) document of SuperProPOS: Product Ordering System.

# 3.4.1 Flowchart

PROCESS	ACTION			<b>RESPONSIBLE PERSON</b>
Start	1.	Login to	the	Admin
		system		
No 1	2.	Register		Admin
Already		Employee		
register? Ves	3.	System displa	ayed	
2		list of employ	yees	
		by position.		
3	4.	Update emplo	oyee	Admin
		Detail		
Update Worker Ves 4	5.	System upd	ated	
No		list of employ	/ees	
5				
End				

Figure 3.2 Flowchart of Register Employee Module

PROCESS	ACTI	ON			RESPONSIBI	LE PERS	ON
Start	1.	Login	to	the	Seller,	Mark	keter,
		system.			Warehouse	Staff	and
					Admin.		
°	2.	Update	Pr	ofile	Seller,	Mark	keter,
Already register?		Informa	tion		Warehouse	Staff	and
Yes					Admin.		
2							
End							

Figure 3.3 Flowchart of Module Login

PROCESS	АСТ	TION	RESPONSIBLE PERSON
Start	1.	Login to the system.	Admin
No Aliady register	2.	Add Product Information.	Admin
2	3.	System displayed list of product	
	4.	information. Update Product	Admin and Warehouse staff
No 4	5.	System update list of products.	
6 End	6.	View products information.	Seller, Marketer, Warehouse staff and Admin

Figure 3.4 Flowchart of Manage Product Detail Module.

PROCESS	ACTION	<b>RESPONSIBLE PERSON</b>
Start	1. Login to the	Seller
	system.	Seller
	2. Choose product.	
Already register?	3. Choose customer.	Seller
Yes 2	4. Create new	<b>A</b> 11
	customer.	Seller
	5. Make order to	Seller
New customer?	system.	
	6. Successfully	
6	created order.	Admin
	7. Check payment.	
	8. Update order	Seller
Order Approved? No 8	information.	
9	9. Packing order.	Warehouse staff
	10. Deliver order	Warehouse staff
End		

Figure 3.5 Flowchart of Manage Order Module

PROCESS	ACTION	<b>RESPONSIBLE PERSON</b>
Start	1. Login to system.	Seller, Marketer
	2. Make complaint in the	Seller
ND X	system.	
Already register?	3. Investigate	Admin, Warehouse
2	complaints in system.	staff, Marketer.
	4. Update complaint	Seller
3	information.	
	5. Complaint solved.	Admin, Warehouse
No 4		50011
Yes		
End		

Figure 3.6 Flowchart of Manage Complaint Module.

# 3.4.2 Context Diagram



Figure 3.7 Context Diagram of SuperProPOS: Product Ordering System

# 3.4.3 Use Case Diagram



Figure 3.8 Use Case Diagram of SuperProPOS: Product Ordering System

### 3.4.4 Use Case Description

The use case description for Manage Order module and Manage Complaint module for SuperProPOS: Product Ordering System example are being shown below in table 3.1 and table 3.2. The details of the Use Case Description for the whole system can be referred in Software Requirement System in Appendix A.

# 3.4.4.1 Manage Order

Table 3.1	Use Case Des	cription for	Manage Order
		1	U

Use Case ID	POS-UC005
Use Case Name	Manage Order
Brief Description	This use case is initiates by seller, admin, marketer and warehouse staff. It allowed the seller to make and order for the product. The seller also can edit the order information. The admin can view and update the order payment status from the order list. The warehouse staff can view and update the order status and tracking number after the payment has been approved by admin from the order list. The marketer can view all the order list information from their assigned seller from the database.
Actor	Admin, Warehouse staff, Seller and Marketer.

Pre-Condition	<ul> <li>The admin, warehouse staff, seller and marketer already have a registered account in the system.</li> <li>The admin, warehouse staff, seller and marketer already login to the system.</li> <li>The admin, warehouse staff, seller and marketer must have internet connection.</li> </ul>
Basic Flow	<ol> <li>The use case starts when the seller goes to Order Now menu page.</li> <li>The system displays the products to be ordered by seller.</li> <li>The seller clicks &lt;&lt; ADD TO CART&gt;&gt; button on the product.</li> <li>The system submits the product to the cart.</li> <li>The seller clicks the &lt;<cart>&gt; button to go to the cart page.</cart></li> <li>The system displays the chosen products details and its total price and payment that need to be made.</li> <li>The seller is able to         <ul> <li>update quantity of products in cart.</li> <li>[A1: Update Cart]</li> </ul> </li> </ol>

b. Delete the selected product from cart.
[A2: Delete Cart]
<ol> <li>The seller then clicks on the &lt;<proceed to<br="">Check Out&gt;&gt; button.</proceed></li> </ol>
9. The system displays the total price, total products and order form.
10. The seller is able to:
<ul> <li>a. Add order details choose existing customer details, payment method and upload the receipt image to the system [A3: Add Order]</li> </ul>
b. Update order details in the system. [A4: Edit Order]
11. The seller clicks < <submit>&gt; button.</submit>
12. The system validates the order information.
13. The system displays successful message to the seller.
14. The admin is able to update the status of order payment in the database.
15. The warehouse staff is able to update the delivery status and tracking number of order after admin approved the payment in the database.

	16. The seller, marketer, warehouse staff and		
	admin are able to view the updated order		
	details by click on the Order List menu.		
	17. The system list all the order details from the		
	database		
	18. The use case ends.		
Alternative Flow	A1: Update Cart		
	1. The seller inserts the quantity of selected		
	products.		
	2. The seller clicks the < <update>&gt; button.</update>		
	3. The use case continues to use case 8 in basic		
	flow.		
	A2: Delete Cart		
	1. The seller chooses the existing products in cart.		
	2. The seller clicks < <delete>&gt; button.</delete>		
	3. The use case continues to use case 8 in basic		
	flow.		
	A3: Add Order		
	1. The seller chooses the existing customer from		
	the list. [A3.1 Add New Customer]		
	2. The seller inserts the payment method and		
	upload the receipt image to the system.		

	3 The seller clicks < <submit>&gt; button</submit>
	5. The serier chers ( SOBWIT / Outlon.
	4. The use case continues to step 11 in basic flow.
	A4: Edit Order
	1. The seller chooses the order detail that he/she
	already done it before this.
	2. The seller clicks < <edit>&gt; button.</edit>
	3. The seller edits the order's payment receipt
	image that he/she key-in before this.
	4. The use case continues to step 11 in basic flow.
	A3.1 Add New Customer
	1. The seller clicks on the <<+NEW
	CUSTOMER>> button.
	2. The seller inserts customer name, phone
	number and address to the system.
	3. The seller clicks < <submit>&gt; button.</submit>
	4. The use case continues to step 1 in alternative
	flow A3.
Exception Flow	None
Post Conditions	The list of order is successfully updated.
Rules	None
Constraints	None

#### Manage Complaint 3.4.4.2

able 5.2 Use Case Description for Manage Complaint		
Use Case ID	POS-UC006	
Use Case Name	Manage Complaint	
Brief Description	This use case is initiates by seller, admin, warehouse staff and marketer. It allowed the seller to add a complaint for the order in the system. The seller also can edit the complaint information. The admin and warehouse staff can view and update the status of complaint in the complaint information. The marketer can view the complaint information of their assigned seller from the database.	
Actor	Admin, Warehouse staff, Seller and Marketer.	
Pre-Condition	<ul> <li>The admin, warehouse staff, seller and marketer already have a registered account in the system.</li> <li>The admin, warehouse staff, seller and marketer already login to the system.</li> <li>The admin, warehouse staff, seller and marketer must have internet connection.</li> </ul>	
Basic Flow	<ol> <li>The use case starts when the seller goes to complaint menu page.</li> <li>The system displays the complaint list detail.</li> </ol>	

Table 3.2	Use Case	Description	for Manage	Comp	laint
10010 012		2	101 11100.00		

	3. The seller is able to:		
	a. Add new complaint by order id, problem, details of problem and image in the system. [A1: Add Complaint]		
	b. Edit the complaint problem, details of		
	problem and image in the system [A2:		
	Edit Complaintj		
	4. The seller clicks < <save>&gt; button.</save>		
	5. The system validates the complaint information.		
	6. The system displays successful message to the seller.		
	7. The admin and warehouse staff are able to update the status of complaint in the database.		
	8. The marketer is able to view the complaint list made by their assigned sellers.		
	9. The system list all the complaint details from the database.		
	10. The use case ends.		
Alternative Flow	A1: Add Complaint		
	1. The seller goes to Add New Complaint menu.		

	2. The seller inserts the order id, problem, details
	of problem and image in the system.
	3. The seller clicks < <submit>&gt; button.</submit>
	4. The use case continues to step 4 in basic flow.
	A2: Edit Complaint
	1. The seller chooses the complaint detail that
	he/she already done it before this.
	2. The seller clicks < <edit>&gt; button.</edit>
	3. The seller edits the complaint detail that he/she
	key-in before this.
	4. The use case continues to step 4 in basic flow.
Exception Flow	None
Post Conditions	The list of complaints is successfully updated.
Rules	None
Constraints	None

Table 3.3Short Description of Use Case for SuperProPOS: Product OrderingSystem

Actor	Use Case Name	Short Description	
Marketer, Seller, Admin	Login	The marketer, seller,	
and Warehouse Staff		admin, and warehouse	
		staff need to use their	
		email and password to	
		login into the system.	
Admin, Seller, Marketer	Register Employee	The admin needs to	
and Warehouse Staff		register marketer, seller	
		and warehouse staff	
		account before using the	
		system. The seller,	
		marketer and warehouse	
		staff must be able to view	
		their registered profile.	
Seller, Warehouse staff,	Manage User Profile	Provide the capability of	
Admin and Marketer		seller, warehouse staff,	
		marketer and admin to	
		update their user profile	
		information. The marketer	
		also can view the seller's	
		profile. The admin also	
		can view and update seller,	
		marketer and warehouse	
		profile information.	
Admin, Warehouse staff,	Manage Product Detail	The admins are able to	
Seller and Marketer		view, add, update and	

		delete the product.
		Warehouse staff can
		update the products stocks
		in the system. Seller and
		Marketer can view the
		product list.
Seller, Marketer, Admin,	Manage Order	The seller can add and edit
and Warehouse staff		their order before
		payment. The admin can
		update the payment status
		of the order. The
		warehouse staff can view
		and update the delivery
		status and tracking number
		of the order. The marketer
		can view the order made
		by their assigned seller.
Marketer, Seller, Admin	Manage Complaint	The seller can add and
and Warehouse staff		update the complaint for
		the order. Warehouse staff
		and admin can view and
		update the status of the
		complaint. Marketer can
		view the complaint made
		by the seller.
Admin, Seller and	Generate Report	The system allows the
Marketer		admin, seller and marketer
		to view their sales report
		by daily, monthly and
		yearly.

## 3.4.5 Activity Diagram

#### 3.4.5.1 Login



Figure 3.9 Activity Diagram for Login

#### 3.4.5.2 Register Employee



Figure 3.10 Activity Diagram for Register Employee.

### 3.4.5.3 Manage User Profile



Figure 3.11 Activity Diagram for Manage User Profile

#### 3.4.5.4 Manage Product



Figure 3.12 Activity Diagram for Manage Product

# 3.4.5.5 Manage Complaint



Figure 3.13 Activity Diagram for Manage Complaint



# 3.4.5.6 Manage Order

Figure 3.14 Activity Diagram for Manage Order

# 3.5 Data Design

Below are the details of the data design for SuperProPOS: Product Ordering System. The explanation of the data designs also available in Appendix B as Software Design Description (SDD) document.

# 3.5.1 Entity Relationship Diagram



Figure 3.15 ERD of SuperProPOS: Product Ordering System

# 3.5.2 Data Dictionary

# 3.5.2.1 admin

Table 3.4	Table for admin		
Field Name	Description	Data Type	Constraint
Admin_Id	Admin ID	INT (10)	РК
A_Name	Admin Name	VARCHAR (200)	
A_PhoneNum	Admin Phone Number	VARCHAR (11)	
A_Email	Admin Email	VARCHAR (100)	
A_Password	Admin Password	VARCHAR (20)	

### 3.5.2.2 marketer

Field Name	Description	Data Type	Constraint
Marketer_Id	Marketer ID	INT (10)	РК
M_Name	Marketer Name	VARCHAR (200)	
M_PhoneNum	Marketer Phone Number	VARCHAR (11)	
M_Email	Marketer Email	VARCHAR (100)	
M_Password	Marketer Password	VARCHAR (20)	

# 3.5.2.3 seller

Field Name	Description	Data Type	Constraint
Seller_Id	Seller ID	INT (10)	РК
Marketer_Id	Marketer ID	INT (10)	FK
S_Name	Seller Name	VARCHAR (200)	
S_PhoneNumber	Seller Phone Number	VARCHAR (11)	

S_Email	Seller Email	VARCHAR (100)	
S_Password	Seller Password	VARCHAR (20)	

# 3.5.2.4 warehouse

Field Name	Description	Data Type	Constraint
Warehouse_Id	Warehouse staff ID	INT (10)	РК
W_Name	Warehouse staff Name	VARCHAR (200)	
W_PhoneNum	Warehouse staff Phone Number	VARCHAR (12)	
W_Email	Warehouse staff Email	VARCHAR (100)	
W_Password	Warehouse staff Password	VARCHAR (50)	

# 3.5.2.5 customer

Field Name	Description	Data Type	Constraint
Customer_Id	Customer ID	INT (10)	РК
Seller_Id	Seller ID	INT (10)	FK
C_Name	Customer Name	VARCHAR (200)	
C_PhoneNum	Customer Phone Number	VARCHAR (11)	
C_Flat	Customer Flat Address	VARCHAR (255)	
C_Street	Customer Street Address	VARCHAR (255)	
C_City	Customer City Address	VARCHAR (255)	
C_State	Customer State Address	VARCHAR (255)	
C_Country	Customer Country Address	VARCHAR (255)	
C_Postcode	Customer Postcode Address	VARCHAR (255)	
C_Date	Customer Information Date	VARCHAR (10)	
	Inserted		

# 3.5.2.6 product

Field Name	Description	Data Type	Constraint
Product_Id	Product ID	INT (11)	РК
P_Name	Product Name	VARCHAR (200)	
P_Info	Product Info	VARCHAR (500)	
P_Price	Product Price	DECIMAL (7,2)	
P_Weight	Product Weight	FLOAT	
P_Image	Product Image	VARCHAR (500)	
P_Doc	Product Document	VARCHAR (500)	
P_Status	Product Status	VARCHAR (20)	
P_Category	Product Category	VARCHAR (20)	
P_Stock	Product Stock	INT (11)	

Table 3.9Table for product

### 3.5.2.7 cart

	Table 3.	10 Tał	ble for	cart
--	----------	--------	---------	------

Field Name	Description	Data Type	Constraint
Cart_Id	Cart ID	INT (11)	РК
Seller_Id	Seller ID	INT (255)	FK
P_Name	Product Name	VARCHAR (255)	
P_Price	Product Price	DECIMAL (7,2)	
P_Image	Product Image	VARCHAR (255)	
P_Quantity	Product Quantity	VARCHAR (255)	

# 3.5.2.8 orders

Field Name	Description Data Type		Constraint
Order_Id	Order ID INT (255) F		РК
Seller_Id	Seller IDINT (12)FK		FK
C_Name	Customer Name VARCHAR (255)		
C_PhoneNum	Customer Phone	VARCHAR (255)	
	Number		
O_PayMethod	Payment Method	VARCHAR (255)	
O_Bank	Bank Name	VARCHAR (255)	
O_RecImage	Receipt Image	VARCHAR (255)	
O_RefRec	Receipt Reference	VARCHAR (255)	
O_Date	Receipt Payment Date	DATE	
O_Time	Receipt Payment	TIME	
	Time		
C_Flat	Customer Flat	VARCHAR (255)	
	Address		
C_Street	Customer Street	VARCHAR (255)	
	Address		
C_City	Customer City	VARCHAR (255)	
	Address		
C_State	Customer State	VARCHAR (255)	
	Address		
C_Country	Customer Country	VARCHAR (255)	
	Address		
C_Postcode	Customer Postcode	VARCHAR (255)	
	Address		
total_products	Total Product Ordered	VARCHAR (255)	
total_price	Total Price Paid	DECIMAL (7,2)	

Table 3.11Table for orders

O_ShipMethod	Order Shipment	VARCHAR (255)	
	Method		
O_Status	Order Payment Status	VARCHAR (255)	
O_DeliverStatus	Order Delivery Status	VARCHAR (255)	
O_Tracking	Order Tracking	VARCHAR (255)	
	Number		

# 3.5.2.9 complaint

Table 3.12	Table for	complaint
Table 3.12	Table for	complaint

Field Name	Description	Data Type	Constraint
Complaint_Id	Complaint ID	INT (10)	PK
Order_Id	Order ID	INT (10)	FK
Comp_Prob	Complaint Problem	VARCHAR (20)	
Comp_Info	Complaint Info	VARCHAR (500)	
Comp_Date	Complaint Date	TIMESTAMP	
Comp_Image	Complaint Image	VARCHAR (500)	
Comp_Status	Complaint Status	VARCHAR (20)	
Comp_Explain	Complaint Status	VARCHAR (500)	
	Explanation		

#### **3.6 Proof of Initial Concept**

In this initial concept part, it shows the proof of concept (POC) of the SuperProPOS: Product Ordering System. It is done to test the general idea and verify that the system can be executed from technical point of view. The POC of the SuperProPOS: Product Ordering System is shown by the prototype shown below by categories of Admin, Seller, Marketer and Warehouse staff. Before the users go to their own site, the mainpage of SuperProPOS: Product Ordering System is displayed to let the users to choose their page based on their position as figure 3.16 below.



Figure 3.16 SuperProPOS: Product Ordering System Main Page

#### 3.6.1 Admin Page

The admin firstly needs to login to the SuperProPOS: Product Ordering System based on figure 3.17.

Admin Login Email exp-abc@gmail.com Password enter your password here	SuperProf	POS
Email exp.abc@gmail.com Password enter your password here	Admin Login	
Password enter your password here	Email	exp:abc@gmail.com
	Password	enter your password here
LOGIN BACK TO MAIN PAGE		LOGIN BACK TO MAIN PAGE

Figure 3.17 UI of Admin Login Page

Once the admin success to login, the system will display the Home Page for admin. Figure 3.18 shows the Home Page below.

SuperProPOS	≡ Dashboard			Zaid Bin Ahmad Admin 1
Dashboard	RM0.00	RM3,665.00	9	
e Profile	Last Year's Sales 🔯	Current Year's Sales 22	Total Complaints	
Product	Company Profile			
Crder	Company Name Contact Number	+010 508 6467		
Customer	Address	No 4 Jalan Belida 1, Taman Belida 45300	, Sungai Besar, Selangor	
Sales Report	Facebook	Promaxx HQ Promaxx Online Marketing		
🕞 Log Out				

Figure 3.18 UI Homepage for Admin

The admin then can make a registration for employee which is seller, marketer and warehouse staff in the Employee List page. Figure 3.19 and 3.21 below shows the Register Employee page.

SuperProPOS	$\equiv$ Dashboard		8	Zaid Bin Ahmad Admin 1
🚳 Dashboard	Register New Seller			
Profile	Marketer	MS - Hakmi Bin Hakmi 👻		
😁 Employee	Name	enter omployeo namo		
Product	Phone Number	phone number 0-9, max length is 12 character		
Customer	Email	enter employee email address		
Complaint	Password			
Sales Report		SUBMIT CANCEL		
🕒 Log Out				

### Figure 3.19 UI Register Seller by Admin

SuperProPOS	$\equiv$ Dashboard	Zald Bin Ahmad Abrin 1
🚳 Dashboard	Register New Marketer	
Profile	Name	enter employee name
🔄 Employee	Phone Number	phone number 0.9, max length is 12 character
Product Order	Email	enter employee email acdross
Customer	Password	
Complaint		SUBMIT
Sales Report		
🕒 Log Out		

Figure 3.20 UI Register Marketer by Admin

SuperProPOS	$\equiv$ Dashboard	Zaid Bin Ahmad Ahma 1
🍘 Dashboard	Register New Warehouse Staff	
Profile	Name	enter employee name
😁 Employee	Phone Number	phone number 0-8, max length is 12 character
Product	Email	onter employee enval autoess
a Order	Password	
Customer		
Complaint		SUBART CANCEL
Sales Report		
€ Log Out		

Figure 3.21 UI Register Warehouse Staff by Admin

Once the registration of employee done, the admin can view the list of employees in menu "Seller List", "Marketer List" and "Warehouse staff List". Figure 3.22 until figure 3.24 shows the list of the employee by position.

SuperProPOS	≡ Dashb	poard						Zaid Bin Ahmad Admin 1
Dashboard				Seller Ma	arketer Ware	house Staff		
O Profile	Register New Sele	2						
😁 Employee	List of F	mployee (Seller)						
Product	LISCOLE	mproyee (sener)		Search seller Q				
🛆 Order	Seller	Seller Name	Phone	Email	Password	Marketer	Action	
🐣 Customer								
Complaint	S20	Akmai Bin Amin	01922335533	akmalamin@gmail.com	01922335777	Muhammad Azhan Bin Khairi(M17)	DELETE	
Sales Report		Aiman Naim Bin					UPDATE	
🕞 Log Out	\$18	Azhan	018996778	aiman@gmail.com	018996778	Hakimi Bin Hakim(Mb)	DELETE	
	S17	Nabila Binti Samsudin	0176544223	nabilah@gmail.com	0176544223	Baharuddin Bin Mansuri(M18)	UPDATE DELETE	

Figure 3.22 UI Seller List for Admin

SuperProPOS	$\equiv$ Dashboa	≡ Dashboard						
🚳 Dashboard			Seller	Marketer Warehous	ie Staff			
Profile	Register New Marketer							
😁 Employee	List of Empl	oven (Marketer)						
Product	List of Empl	List of Employee (Marketer) Search marketer Q						
🚔 Order	Marketer ID	Marketer Name	Phone	Email	Password	Action		
Customer	M26	Alia Maisarah	01999933	alia@gmail.com	01999933	UPDATE DELETE		
Complaint	M25	Karimah binti Abu Bakar	0176667744	karimahabu@gmail.com	0176667744	UPDATE DELETE	_	
Sales Report	M23	Azlina Binti Abu	0111908976	atlina@omail.com	0111908976		_	
6 I 0:+			0111000010	azmagginar.com	0111000010			
Log Out	M22	Abu Bin Ali	01978886655	abuali@gmail.com	01978886655	UPDATE DELETE		
	M21	Muhd Syakir Bin Abdul Manaf	0194569032	shakir@gmail.com	0194569032	UPDATE DELETE		

Figure 3.23 UI Marketer List for Admin

SuperProPOS	∃ Dashboard	I					8	Zaid Bin Ahmad Admin 1
Dashboard			Selier	Marketor Warehous	e Staff			
Profile	Despictor New Warehrszen Sto							
🗑 Employee	List of Employe	a (Marchaura Staff)						
Product	List of Employe	Starth warehouse						
🛆 Order	Warehouse ID	Warehouse Name	Phone	Email	Password	Action		
🔺 Customer	WB	Ahmad Bin abu	019566769	ahmadabu@gmail.com	019566000	UBDATE DELETE		
Complaint	W7	Muhammad Akmal Bin Al	0138974563	ekmelalk@gmell.com	0138974553	UPDMIE DECLIE		
Sales Report	W5	Shahila Bind Haim	0178653476	shehila@gmail.com	0178653476	UPDMIL DULL IL		
🕞 Log Out	W4	Mahammad Azri Bin Asri	0195435677	azriĝgmai.com	123458	UPDATE DELETE		
	W1	Muhd Azwan Bin Kamal	0134537096	azwankamat@gmail.com	0134537096	UPDATE SCIETE		

Figure 3.24 UI Warehouse staff List for Admin

The admin profile can be updated by the admin as show in figure 3.25 below.

SuperProPOS	$\equiv$ Dashboard	2 Ziid Bin Ahnud Ann 1
Dashboard	Update Admin Profile	
Profile	Admin ID	A1
😁 Employee	Admin Name	Zard Bin Ahmad
I Product	Phone Number	012346011
🚊 Order	Email	zaidaaiqijinai can
Customer		
📼 Complaint	Change Password	123456
Sales Report		SWE CANEL
🕒 Log Out		

Figure 3.25 UI Update Admin Detail for Admin

The admin also can manage the product by add, update and delete the products information to the system. Below is the page for admin to manage the product based on figure 3.26 until figure 3.28.

SuperProPOS	∃ Dashbo	bard						Al Admin
🍪 Dashboard	Add New Product							
😁 Employee	List of P	roduct						
E Product			Search produ	Search product				
🛕 Order	Product	ID Product Name	Price	Image	Category	Stock Quantity	Status	Action
🐣 Customer	P19	Fibre Choco	RM 150.00	1	Health	0	Not Available	UPDATE CELETE
Complaint	P18	Kopi Jintan	RM 120.00	2	Health	0	Not Available	UPDMIE DELETE
🖼 Sales Report	P9	Joint Care	RM 20.00	2	Health	29	Available	UPDATE DELETE
🕩 Log Out	P8	Sacha Inchi	RM 20.00		Health	200	Available	UPDATE DELETE
	P1	Sweet G	RM 76.00	143	beauty	108	Available	UPDATE DELETE

Figure 3.26 UI Product List for Admin
SuperProPOS	$\equiv$ Dashboard		Al Admin
Dashboard	Add New Product		
😁 Employee	Product Name		_
I Product	Information		
🛆 Order	Price		
🐣 Customer			
Complaint	weight		-
Sales Report	Document	Choose His No his chosen	_
	Category	⊖Beauty ⊖Health ⊜Others	_
		SUBMIT CANCEL	

### Figure 3.27 UI Add New Product for Admin

SuperProPOS	≡ Dashboard		Al Adain
🚳 Dashboard	Update Product		
😁 Employee	Product ID	15	
Product	Product Name	Fibro Checo	
A Order	Information	Minuman Berknasiat coldet yang sedap dan baik untuk tubuh badan	
Customer	Price	150.00	
Sales Report	Weight	300	
	Image	Chaose File   Net-chool.FNG	
🕒 Log Out	Document	Churren File   FROOK FIR   01000 par	
	Category	O Beauty 🕷 Health O Others	
	Status	Available	
	Quantity	20	
		SAVE CANTON	

Figure 3.28 UI Update Product for Admin

Admin can manage the order by view order list and update the order status. Below shows the interface for order list and update order based on figure 3.29 and figure 3.30.

SuperProPOS	$\equiv$ Dash	board								Al Astron
Dashboard	List of (	Order								
😁 Employee			Sea	rch order			Se	sarch		
Product	Order ID	Customer Name	Phone Number	Date	Products	Total Price	Payment Status	Deliver Status	Seller	Action
🛆 Order	037	Dina Binti Nadzir	0132233133	2023-06-01	Sweet G (1)	76.00	Approved	Deliver	Shartfah Binti Ali(S2)	UPDATE
Customer	036	Adwa	0190001100	2023-	Sweet G (4) , Sacha Inchi (1) , Joint Care (1)	344.00	Approved	Pending	Siti Aisyah(S1)	UPDATE
Complaint Sales Recort	034	Afiah Binti Khira	01322331	2023- 06-03	Sweet G (4) , Sacha Inchi (1) , Joint Care (1)	344.00	Submitted	Pending	Siti Aisyah(S1)	UPDATE
	032	Alle Maisarah Binti Kamarul	0190001100	2023- 06-07	Sweet G (4) , Sacha Inchi (1) , Joint Care (1)	344.00	Submitted	Pending	Silli Alsyah(S1)	UPDATE
🕒 Log Out	030	Asiam Bin Ahmad	0177888899	2023- 06-03	Sweet G (4) , Sacha Inchi (1)	324.00	Approved	Deliver	Sitt Alsyah(S1)	UNIAN
					1 2 3	Not				

Figure 3.29 UI Order List for Admin

SuperProPOS	$\equiv$ Dashboard				8 #.		
Dashboard	Update Order Status						
😁 Employee	Order ID	037					
Product	Customer Name	Customer Name Dino Binti Nadzir					
🛆 Order	Phone Number	0182233138					
	Address	No 95 Bagan Nakh	oda Omar 45301 Sebak Berna	n Selangor Malaynia			
Customer	Payment Method	online banking					
Complaint	Bank	Ambank					
🗃 Sales Report	Receipt Image	E pr kong					
🚱 Log Out	Receipt Reference	#Ref1223131300					
	Payment Date & Time	2023-06-01 13:57.0	0				
	Product Name & Quantity		Total Price	Shipping Method			
	Sweet G (1)		76.00	Ninja Van			
	Seller		Sharifah Binti Ali (S2)				
	Payment Status		O Approved O Disapprove	5			
	Deliver Status		Delver				
	Tracking Number		NJ900098299				
			SML CANCEL				

Figure 3.30 UI Update Order Status for Admin

The admin also can manage the complaint by view and update the status of the complaint. Figure 3.31 and figure 3.32 shows the interface of complaint for admin.

Superrioros	_ Dashboard						Jdmin
Dashboard	List of Complain	t					
😁 Employee			Search of	mplaint		Search	
Product	Complaint ID	Order ID	Problem	Date	Image	Status	Action
🛍 Order	CP22	037	missing	2023-06-10 07:58:47	Conception of the second	Pending	UPUALE DELETE
Customer	CP18	026	others	2023-06-06 12:18:17		Under Review	LEDATE DELETE
Sales Report	CP17	025	broken	2023-06-06 10:27:27		Solved	UMDATE DELETE
Log Out	CP15	023	missing	2023-06-06 10:19:33	Sector tests (1)	Solved	UPLATE DELETE

### Figure 3.31 UI Complaint List for Admin

SuperProPOS	$\equiv$ Dashboard		Zaid Bin Ahmad Admin 1
Dashboard	Update Complaint Status		
e Profile	Complaint ID	C34	
😤 Employee	Order ID	O39	
E Product	Problem	missing	
🚔 Order	Details of Problem	So late	
🛔 Customer	Image	A B A CONTRACT	
Complaint	Date	2023-06-22 08:38:03	
Sales Report	Status	O Under Review  Solved	
Log Out	Solution Explaination	Courrier will send back	
		SIVE CANCEL	

Figure 3.32 UI Update Complaint Status for Admin

Lastly admin also can view the sales report in the system. Figure 3.33 and figure 3.34 shows the interface of the sales report.

SuperProPOS	$\equiv$ Dashboard			2 al Admin				
n Dashboard		Daily Monthly Yearily						
🐸 Employee								
Product	Daily Sales Report							
🚔 Order	Day	Total Orders	Total Sales					
🔒 Customer	2023-08-09	1	20.00					
🖬 Complaint	2023-06-07	2	688.00					
Sales Report	2023-08-03	4	818.00					
	2023-06-02	2	324.00					
🗈 Log Out	2023-06-01	1	76.00					
	2023-08-27	1	228.00					
	2023-05-26	1	76.00					
		1 2	Next					

Figure 3.33 UI List Sales Report for Admin



Figure 3.34 UI Graph Sales Report for Admin

#### 3.6.2 Seller Page

Firstly, the seller needs to login. Figure 3.35 below shows the login interface.

Seller Login	
Email	exp email@gmail.com
Password	your password
	LOSIN BACK TO MAIN PAGE

Figure 3.35 UI Login for Seller

Once seller successfully login to system, seller is able to view the homepage. Figure 3.36 below shows the homepage of seller.



Figure 3.36 UI Homepage for Seller

The seller then can be able to view the products by click on the Product Menu. Figure 3.37 and figure 3.38 shows the product list and details for seller.



### Figure 3.37 UI Product List for Seller

SuperProPOS	ORDER NOW		cart
Dashboard	$\equiv$ Dashboard		Lia Yasmen Binti Ahmad
O Profile			Seler 11
E Product	Product Detail		
🛆 Order		Fibre Choco	
🐣 Customer	FIBRE CHOCO	Price: RM 150.00	
Complaint		Weight: 330 gm Document: <u>EBOOK FIBRE CHOCO.pdf</u>	
Sales Report	art layer	Info: Minuman Berkhasiat coklat yang sedap dan baik untuk tubuh badan Category: Health	
🕒 Log Out			

Figure 3.38 UI Product Detail for Seller

The seller also can make an order by going to the Shop menu. Figure 3.39 until figure 3.43 shows the process of ordering product from the shop menu.



Figure 3.39 UI Shop for Seller

SuperProPOS	ORDER NOW							
Dashboard	$\equiv$ Dashboard							8
Profile								_
i Product	Cart Detail							
🚊 Order								
Customer			5	nopping Ca	rτ			
🖃 Complaint	Product		Price	Quantity		Total	Action	
📰 Sales Report		Sweet G	RM 76.00	1	update	RM 76	C remove	
	continue shopping	Grand total				RM 76	O Dotelo all	
Log Out							proceed to checkout	
	-							2

# Figure 3.40 UI Cart for Seller

uperProPOS	ORDER NOW		ar
Deshboard	≡ Dashboard		Un Tarmen Atread
Profile			64 <del>-</del> 11
Product		Complete Your Order	
Order	6 . stm		1
Customer	Grand Total	RM 76	
Complaint			J
Color Denored	Customer Name	Phone Number	
Log Out	Byment Method Onine Banking	Sank - Fite Sank -	
	Receipt Inwae Oniess File Incode	Receipt Ref. Number 1910 # Aet022052M	
	Dale of Payment M/Per/2005 Internet Parts	Time of Resment	
	Address line 1	Address Tine 7	_
		Prote	
	Nabak Bernam	Selangor	
	Country	Postcode	
	Matagric	46300	_
	Shipping Method JA11 apress		

## Figure 3.41 Check Out Form Order for Seller



# Figure 3.42 UI Successful Order Message for Seller

SuperProPOS	ORDER NOV							ort
Deshboard	≡ Dash	board						Ua Yasmen Bind Ahmad
Profile	Add New Driler							
E Product								
🚔 Order	List of On	der	Search order			Starch		
🐣 Customer								
Complaint	Order ID	Gustomer Name	Products & Quantity	Date	Total Price	Payment Status	Deliver Status	
n Sales Report	038	Abdullah Bin Abu Bakar	Sweet G (1)	2023-08-10	76.00	Submitted	Pencing	UPDATE
🕒 Log Out								

### Figure 3.43 UI Order List for Seller

The seller also can add new customer from the order form if there are no existing customer there. The seller also can view and edit the customer list details. Figure 3.44 until figure 3.46 shows the interface for manage customer.

SuperProPOS	ORDER NOW		art
Dashboard	$\equiv$ Dashboard		Stit Anyoh Selor 1
Profile			
Product	Add New Customer		
🚔 Order	Customer Name		
Customer	Phone Number		
Complaint	Fiet		
📑 Sales Report	Street		
	city		
B Log Out	State		
	Country		
	Postcode		
		SURAT CANCEL	

#### Figure 3.44 UI Add New Customer for Seller

SuperProPOS	ORDER NOW						cart
B Dashboard	$\equiv$ Dashboa	rd					Stit Alsyah
O Profile	Add New Costomer						
III Product	List of Custome	r					
🛍 Order		Search Customer			Search		
🐣 Customer	Customer ID	Customer Name	Phone	State	Date		
📼 Complaint	C9	Malsarah Agilah Binti Kamarul	01322331	Pahang	2023-06-08	UPDMIE UELETE	
Sales Report	C10	Adwa	0190001100	Selangor	2023-06-08	UFDATE DELETE	
🕒 Log Out	C11	Habibah Binti Ahmad	01977777	Selangor	2023-06-09	UPDATE DELETE	

### Figure 3.45 UI Customer List for Seller

Bashboard	$\equiv$ Dashboard		Sitt Alayah Seter 1
\varTheta Profile	Update Customer Detail		
Product	Customer ID	C9	
🚔 Order	Customer Name	Malsarah Aglah Bini Kanarul	
👃 Customer	Phone Number	01022301	
Complaint	Fiat	No 42	
Sales Report	Street	Jatan Kg Baru	
🕒 Log Out	Postcode	45522	
	City	Tetuk Jawi	
	State	Patang	
	Country	Melaysia	
	Date	2023-06-08	
		SWAL CANCEL	

Figure 3.46 UI Edit Customer Detail for Seller

Then, seller also can manage complaint by add, view and edit the complaint. Figure 3.47 until figure 3.50 shows the complaint interface for seller.

SuperProPOS	ORDER NOW							cart
Dashboard	≡ Dashb	oard						Siti Akyah Bir Ahmad
Profile	Add New Complaint							
Product	list of Com	-laint						
🛆 Order	List of Comp	(		Search complaint	Q			
Customer	Complaint	Order ID	Problem	Explaination	Date	Image	Status	Action
<ul> <li>Complaint</li> <li>Sales Report</li> </ul>	Comp34	039	missing	So late	2023-08-22 08:38:03		Solved	PDIT VIEW
🕒 Log Out	Comp32	046	others	order has not been post out yet for long time	2023-05-22 07:36:12	-	Solved	
	Comp27	040	broken	Pecah ketika sampal	2023-06-18 16:36:26	Processings way to less the processing way to be the processing of the processing the processing of the processing the processing of the processing of the pro- tee of the pro-	Under Review	EDIT

## Figure 3.47 UI Complaint List for Seller

SuperProPOS	ORDER NOW		cart
🍘 Dashboard	$\equiv$ Dashboard		Lia Yasmen Binti Ahmad
O Profile			Seller 11
E Product	Add New Complaint		
🚔 Order	Choose Order ID	038	~
🐣 Customer	Problem	Öthers	~
Complaint	Details of Problem	Customer complaint for late delivery	
Sales Report			*
6 J 0:1	Image	Choose File late prg	
		SUBMIT CANCEL	

### Figure 3.48 UI Add New Complaint for Seller

	ORDER NOW		ar
🙆 Profile	≡ Dashboard		St Alyen Seter 1
Product			
🚔 Order	Update Complaint Detail		
Customer	Complaint ID	Comp13	
Complaint	Choose Order ID	01	•
Sales Report	Problem	Dokes	·
	Details of Problem	blosing on the vary to home	
🕒 Log Out	image	Choose File. No file chosen	
	Dete	2023-06-06 10:19:33	
	Status	Solved	
		SAME CANCEL	

### Figure 3.49 Edit Complaint for Seller

SuperProPOS	ORDER NOW		cart
🖚 Dashboard	$\equiv$ Dashboard		Siti Alsysh Binti Ahmed
O Profile			1464 T
Product	Complaint Detail		
A	Complaint ID	Camp34	
Order	Order ID	039	
Customer	Problem	missing	
Complaint	Details of Problem	So late	
■ Sales Report ⊕ Log Out	Image	A BUA	
	Date	2023-00-22 08:38:03	
	Status	Solved	
	Solution Explaination	Courrier will send back	
		MOK	

### Figure 3.50 View Complaint for Seller

The seller also can update their profile in the menu profile. Figure 3.51 below shows the update profile page for seller.

SuperProPOS	ORDER NOW		cart
🚳 Dashboard	$\equiv$ Dashboard		Siti Aisyah Binti Ahmad
🕴 Profile			
Product	Update Seller Profile		
🚔 Order	Seller ID	S1	
🐣 Customer	Seller Name	Siti Asyah Binti Ahmad	
Complaint	Phone Number	0197309011	
Sales Report	Email	shi@gmail.com	
	Change Password	123458	
🕒 Log Out	Marketer ID	Hakimi Bin Hakim (M5)	
		SAVE CANCEL	

Figure 3.51 UI Update Seller Profile for Seller

Lastly, the seller can view the sales report. Figure 3.52 until 3.53 shows the sales report of seller.

ıperProPOS	ORDER NOW			cart
Dashboard	$\equiv$ Dashboard			Lia Yasmen B Ahmad
ofile		Daily Mc	nthiy Yearly	
oduct				
rder		List	Graph	
mer	Daily Sales Report			
laint	Day	Total Orders	Total Sales	
les Report	2023-06-10	1	76.00	
		1 2 N	est	
Log Out				

Figure 3.52 UI List Sales Report for Seller

SuperProPOS	ORDER NOW Cart 9
2 Dashboard	∃ Dashboard
O Profile	Solive 11
E Product	
🚔 Order	List Graph
🐣 Customer	Daily Sales Graph
Complaint	total Sales
Sales Report	70
Log Out	
	20
	10
	2023-05-10

Figure 3.53 UI Graph Sales Report for Seller

### 3.6.3 Marketer Page

Firstly, the marketer needs to login to the system. Figure 3.54 shows the login page for marketer.

Marketer Login	
Email	abc***a@gmail.com
Password	your password here
	LOGN BACK TO MAIN PAGE

Figure 3.54 UI Login for Marketer

Once marketer successfully login to the system, the system displays the homepage of the system. Figure 3.55 shows the homepage of marketer.

SuperProPOS	$\equiv$ Dashboard		Hakimi Bin Hakim Marketer 5
Dashboard	RM0.00	RM3 192.00	
😫 Profile	Last Year's Sales 🗃	Current Year's Sales	
嶜 Employee			4
E Product	Company Profile		
🔷 Order	Company Name	Promaxx Marketing	
🐣 Customer	Contact Number	+010 508 6467	
🔲 Complaint	Facebook	Promaxx HO	
📑 Sales Report	Instagram	Promaxx Online Marketing	
🗭 Log Out			

Figure 3.55 UI Homepage for Marketer

The marketer then is able to view the products list and details. Figure 3.56 and Figure 3.57 below shows the product menu for marketer.



Figure 3.56 UI Product List for Marketer



Figure 3.57 UI Product Detail for Marketer

The marketer also can view order list and order detail. Figure 3.58 and figure 3.59 below shows the interface of order list and order detail for marketer.

SuperProPOS	∃ Das	hboard							Behanuddin Ahmed Mainetter S
28 Dashboard Employee	List of O	rder	Country and an						
Product Order	Order ID	Customer Name	Products & Quantity	Date	Total Price	Payment Status	Deliver	Seller	Action
Customer	023	Munirah Binti Mahathir	Sweet G (3)	2023-05- 27	228.00	Approved	Packing	Siti Aisyah(S1)	MEW DCTVL
<ul> <li>Complaint</li> <li>Sales Report</li> </ul>	030	Aslam Bin Ahmad	Sweet G (4) , Sacha Inchi (1)	2023-06- 03	324.00	Approved	Deliver	Sill Aisyah(S1)	MEW DETAIL
	032	Alla Maisarah Binti Kamarul	Sweet G (4) , Sacha Inchi (1) , Joint Care (1)	2023-06- 07	344.00	Submitted	Pending	Sili Aisyah(S1)	VEW DCTAL
	034	Aflah Binli Khira	Sweet G (4) , Sadha Inchi (1) , Joint Care (1)	2023-06- 03	344.00	Submitted	Pending	Shi Aisyah(S1)	MEW DETAIL
	025	Maisarah Aqilah Binti Kamarul	Sneet G (1)	2023-06- 26	78.00	Submitted	Pending	Abu Bakar Bin All(S4)	MEW DETAIL

Figure 3.58 UI Order List for Marketer

SuperProPOS	≡ Dashboard				Hatemi Ba Hakim Marketer S
Dashboard	View Order Detail				
Profile	Order ID	023			
😁 Employee	Customer Name	Munirah Binti Mahathir	Phone Number	0190002234	-
I Product	Flat:	Lot 1111	Street:	Bagan Nakhoda Omar	
🛆 Order	Postcode	45322	City:	Sabak Bernam	
A Customer	State:	Selangor	Country:	Mataysia	
- Complaint	Payment Method	online banking	Bank	Maybank	
Sales Report	Receipt Image				
	Receipt Reference	#Rcf1223131044	Payment Date & Time	2023-05-27 22:09:00	-
	Product Name & Quantity	e e e e e e e e e e e e e e e e e e e	Total Price	Shipping Method	
	Sweet G (3)		228.00	DHL	
	Payment Status		Approved		
	Deliver Status		Delivered		
	Tracking Number		DHL90857799001		
			влок		

Figure 3.59 View Order Detail for Marketer

Marketer also can view the customer list and their details. Figure 3.60 and figure 3.61 shows the customer list for marketer.

SuperProPOS	$\equiv$ Dashbo	$\equiv$ Dashboard					9	Baharuddin Bin Ahmad Markoter S		
👪 Dashboard	List of Curton									
😁 Employee	List of Custor	Search Custo	ustomer Search							
Product							·			
🚊 Order	Customer ID	Customer Name	Phone	City	State	Date	Seller ID	Action		
🛔 Customer	C9	Maisarah Aqilah Binti Kamarul	01322331	Tebuk Jawi	Pahang	2023-06-08	S1	VIEW DETAIL		
📼 Complaint	C10	Adwa	0190001100	Tebuk Jawa	Selangor	2023-06-08	S1	VIEW DETAIL		
Sales Report	C11	Habibah Binti Ahmad	01977777	Sabak Bernam	Selangor	2023-06-09	S1	VIEW DETAIL		
🕞 Log Out										

Figure 3.60 UI Customer List for Marketer

🔹 Dashboard	$\equiv$ Dashboard	Baharuddin Bin Ahmad Marketer 5
😤 Employee		_
E Product	Customer Detail	
🚊 Order	Customer ID	C11
🔒 Customer	Customer Name	Habibah Binti Ahmad
🔲 Complaint	Phone Number	01977777
📑 Sales Report	Address	
·	Date	2023-06-09
	Seller ID	S1
		BACK

Figure 3.61 UI Customer Detail for Marketer

The marketer also can view the complaint list and details. Figure 3.62 and figure 3.63 shows the complaint list and complaint detail for marketer.

≡ Dashboa	E Dashboard						
List of Compla	int						
List of compla		S	Search complaint Search			Search	
Complaint ID	Order ID	Problem	Date	Image	Status	Seller ID	Action
Comp13	023	missing	2023-06-06 10:19:33	And matchings were being to some And any one of the last solutions any operation areas any operation of the the solutions <b>Descent</b> To solution	Solved	Siti Aisyah(S1)	VIEW DETAIL
Comp17	025	broken	2023-06-06 10:27:27		Solved	Abu Bakar Bin Ali(S4)	VIEW DETAIL
Comp18	O26	others	2023-06-06 12:18:17	H	Under Review	Abu Bakar Bin Ali(S4)	VIEW DE TAIL
	E Dashboa	E Dashboard List of Complaint ID Order ID Comp13 023 Comp17 025 Comp18 026	E Dashboard	E Dashboard List of Complaint Complaint ID Order ID Problem Date Comp13 O23 missing 2023-06-06 10:19:33 Comp17 O25 broken 2023-06-06 10:27:27 Comp18 O26 others 2023-06-06 12:18:17	Complaint         Date       Image         Complaint ID       Order ID       Problem       Date       Image         Comp13       Order ID       Problem       Date       Image         Comp13       O23       missing       2023-06-06 10:19:33       Image         Comp17       O26       broken       2023-06-06 10:27:27       Image         Comp18       O26       others       2023-06-06 12:18:17       Image	Complaint         Order ID       Problem       Date       Image       Status         Complaint ID       Order ID       Problem       Date       Image       Status         Comp13       O23       missing       2023-06-06 10:19:33       Solved         Comp17       O25       broken       2023-06-06 10:27:27       Solved         Comp18       O26       others       2023-06-06 10:27:27       Solved         Comp18       O26       others       2023-06-06 12:18:17       Under Review	Elst of Complaint         Search complaint       Search         Complaint ID       Order ID       Problem       Date       Image       Status       Selier ID         Comp13       O23       missing       2023-06-06 10:19:33       Solved       Siti Alsyah(S1)         Comp17       O25       broken       2023-06-06 10:27:27       Solved       Abu Bakar Bin Ali(S4)         Comp18       O26       others       2023-06-06 12:18:17       Solved       Abu Bakar Bin Ali(S4)       Abu Bakar Bin Ali(S4)

Figure 3.62 UI Complaint List for Marketer

SuperProPOS	$\equiv$ Dashboard		Hakimi Bin Hakim Marketer 5
Dashboard	Complaint Detail		
😟 Profile	Complaint ID	Comp34	
😁 Employee	Order ID	O39	
Product	Problem	missing	
🚔 Order	Details of Problem	So late	
🛔 Customer 📼 Complaint	Image	A dia	
Sales Report	Date	2023-06-22 08:38:03	
	Seller ID	Siti Aisyah Binti Ahmad(S1)	
🕒 Log Out	Status	Solved	
	Solution Explaination	Courrier will send back	
		BACK	

Figure 3.63 View Complaint Detail for Marketer

The marketer also can view the Seller List and their Performance. Figure 3.64 and Figure 3.65 shows the assigned seller for marketer.

SuperProPOS	∃ Dashb	≡ Dashboard						
Dashboard	List of Emp	lovee (Seller)						
🐸 Employee		Search sel	ler		Search			
Product								
🚊 Order	Seller ID	Seller Name	Phone	Email	Password	Action		
Customer	S11	Lia Yasmon Binti Ahmad	0105304570	liayasmen@gmail.com	0105304570	VIEW DETAIL		
😑 Complaint								
📑 Sales Report								

### Figure 3.64 UI Seller List for Marketer

SuperProPOS	$\equiv$ Das	∃ Dashboard				Muhammad Azhan Bin Kh Marketer 17			
Dashboard     Employee	List of O	rder	Search o	order			Sez	rch	
<ul> <li>Product</li> <li>Order</li> </ul>	Order ID	Customer Name	Products & Quantity	Date	Total Price	Payment Status	Deliver Status	Seller	Action
<ul> <li>Customer</li> <li>Complaint</li> </ul>	038	Abdullah Bin Abu Bakar	Sweet G (1)	2023-06- 10	76.00	Submitted	Pending	Lia Yasmen Binti Ahmad(\$11)	VIEW DETAIL
₩ Sales Report									
🕞 Log Out									

Figure 3.65 List Order of Seller for Marketer

Marketer also can update their profile. Figure 3.66 shows the interface of update profile for marketer.

SuperProPOS	$\equiv$ Dashboard	Baharuddin Bin Ahmad Marketer 5
B Dashboard	Update Marketer Pr	ofile
Product	Marketer ID	M1
A Order	Phone Number	012222222
Complaint	Email	jenny@gmail.com
Sales Report	Change Password	
😝 Log Out		SME CANCE

Figure 3.66 UI Update Marketer Profile for Marketer

Lastly, the marketer is able to view the generated report of the seller performance in the system. Figure 3.67 until figure 3.69 shows the sales report for the marketer.

SuperProPOS	$\equiv$ Dashb	oard					Baharuddin Bin Ahmad Metieter S
Dashboard	List Orders	- Coller					
😁 Employee	List Orders	Sear	Search seller			Search	
Product							
🚔 Order	Seller ID	Seller Name	Today	This Month	This Year	Report Detail	-
🐣 Customer	S1	Siti Aisyah	0	3	4	DALY MONTHLY YEARLY	_
🔲 Complaint	53	Aminah Binti Hairi	0	0	0	DALY MONTHLY YEARLY	
📑 Sales Report	S4	Abu Bakar Bin Ali	0	4	5	DALLY MONTHEY YEARLY	
🕞 Log Out	<u>96</u>	Afiqah Binti Abu	0	0	0	DALY MONTHY YEARY	

Figure 3.67 UI List of Seller Sales Report for Marketer

SuperProPOS	∃ Dashboarc	ł		Baharuddin Bin Ahmad Meisture S
Dashboard			List Granh	
🐸 Employee				
Product	Yearly Sales Repo	rt		
🚔 Order	Year	Total Orders	Total Sales	
🐣 Customer	2023	4	RM 1240.00	
Complaint				
Sales Report				
E Log Out				

Figure 3.68 UI List Sales Report for Marketer

SuperProPOS	≡ Dashboard Statudin Bin Ahmad Martar 5
🚯 Dashboard	List Graph
😁 Employee	
E Product	Daily Sales Graph
🚔 Order	1,400 Total Sales
🔒 Customer	800
Complaint	600
Sales Report	200 0 2023
🗭 Log Out	

Figure 3.69 UI Graph Sales Report for Marketer

#### 3.6.4 Warehouse Staff Page

Firstly, the warehouse staff needs to login to the system. Figure 3.70 shows the login interface for warehouse staff.

SuperProPOS	
Warehouse Staff Login	
Email	expraine()gmail.com
Password	order your password here
	LOON BACK TO MAIN PAGE

Figure 3.70 UI Login for Warehouse Staff

Once the warehouse staff successfully login to the system, the system then displays the homepage for warehouse staff. Figure 3.71 shows the homepage for warehouse staff.

SuperProPOS	$\equiv$ Dashboard		Bin April Bin April Diservicus 4
Dashboard     Profile	9 Total Complaints		
Product     Order     Complaint	Company Profile Company Name	Promaso Mankeling	
🗈 Log Out	Contact Number Address	+010 KOK G467 No 4 Jalan Delda 1, Taman Delda 45300, Burgai Desar, Belangor	
	Instagram	Promass Unline Marketing	

Figure 3.71 UI Homepage for Warehouse staff

The warehouse staff can go to the product list menu to view and update the stock of the products. Figure 3.72 and 3.73 shows the product list and product details.

SuperProPOS	$\equiv$ Dashboard							S WI Viardouse
Dashboard	line of Decide							
I Product	List of Produc	x	Search produc	x		Sta	ah	
🚔 Order			-					
Complaint	Productio	Produce Hallie	Filee	maye	Category	acock easing	-1004	Action
🕀 Log Out	P19	Fibre Choco	150.00	ien.	Health	20	Available	HIPGATE
	P18	Kopi Jintan	120.00		Health	0	Not Available	URBAILE
	P0	Joint Care	20.00		Health	20	Available	URME
	Р8	Sacha Inchi	20.00	**	Health	200	Available	UPDATE

Figure 3.72 UI Product List for Warehouse staff

SuperProPOS	$\equiv$ Dashboard		W1 Warehouse
<ul> <li>Dashboard</li> </ul>	Update Product		
Product	Product ID	P19	
n Order	Product Name	Fibre Choop	
- Complaint	Information	Minuman Berkhasial cokiat yang sedap dan baik untuk lubuh badan	
Company	Price	150.00	
(h. 1 0.4	Weight	320	
III Log Out	Image		
	Document	EBOOK FIBRE CHOCO.pdf	
	Category	Health	
	Status	* Available O Not Available	
	Quantity	20	
		awe cauce	

Figure 3.73 UI Update Product for Warehouse staff

The warehouse staff also can view and update the status and tracking number of the order list and print the order detail. Figure 3.74 and figure 3.75 shows the order list and detail for warehouse staff.

SuperProPOS	∃ Da	shboard							<b>W</b> i Warehouse
Dashboard	1144	of Order							
Product	List	oronaei	Search	order			Search		
<ul> <li>Order</li> <li>Complaint</li> </ul>	Ore ID	Ser Customer Name	Phone Number	Date	Products	Total Price	Payment Status	Delivery Status	Action
	03	8 Abdullah Bin Abu Bakar	0124529078	2023-06- 10	Sweet G (1)	76.00	Submitted	Deliver	UPDATE
	03	7 Dina Binti Nadzir	0132233133	2023-06- 01	Sweet G (1)	76.00	Approved	Deliver	UPDATE
	03	4 Aflah Binti Khira	01322331	2023-06- 03	Sweet G (4) , Sacha Inchi (1) , Joint Care (1)	344.00	Submitted	Pending	UPDATE
	03	2 Alla Malsarah Binti Kamarul	0190001100	2023-06- 07	Sweet $G\left(4\right)$ , Sacha Inchi (1) , Joint Care (1)	344.00	Submitted	Pending	UPDATE
	03	0 Aslam Bin Ahmad	0177888899	2023-06- 03	Sweet G (4) , Sacha Inchi (1)	324.00	Approved	Deliver	UPDATE
					1 2 3 Next				

### Figure 3.74 UI Order List for Warehouse staff

SuperProPOS	$\equiv$ Dashboard				U Wi Reenhouse
🙆 Dashboard	Update Order Status				
Product	Order ID	038			
â Order	Customer Name	Abbulan Bin Abu Bal	ar		
Complaint	Phone Number	0124523078			
	Address	No 78 Bagan Nakhoo	a Omar 45200 Sabak Bernam	Selangor Malaysia	
🕞 Log Out	Payment Method	online banking			
	Bank	RHB			
	Receipt Image	1. P			
	Receipt Reference	#Ref122316754			
	Payment Date & Time	2023-06-10 14:16:00			
	Product Name & Quantity		Total Price	Shipping Mathod	
	Sweet G (1)		78.00	J&T Express	
	Seller ID				
	Payment Status		Submitted		
	Deliver Status		O Packing O Deliver		
	Tracking Number		NJ80306		
			SAVE CANCEL		

Figure 3.75 UI Order Detail for Warehouse staff

The warehouse staff can view and update the status of the complaint list and details. Figure 3.76 and 3.77 shows the complaint list and details for warehouse staff.

SuperProPOS	$\equiv$ Dashboard						ya wi
Dashboard	List of Complain						
Product	List of Company		Search comp	slaint	(	Search	
Order     Complaint	Complaint ID	Order ID	Problem	Date	Image	Status	Action
	CP23	038	others	2023-06-11 08:22:29	Encounter textures	Submitted	LIPDATE
Le Log Out	CP22	037	missing	2023-06-10 07:58:47	Receive receivers	Submitted	UPDATE
	CP18	026	others	2023-06-08 12:18:17		Under Review	LIPDATE
	CP17	025	broken	2023-06-06 10:27:27		Solved	LEPERTE

Figure 3.76 UI Complaint List for Warehouse staff

SuperProPOS	$\equiv$ Dashboard	8 M	shammad As h Asri srchouse 4
Dashboard     Profile	Update Complaint Status		
Product	Complaint ID Order ID	039	
Order Complaint	Problem	missing	
🕒 Log Out	Image		
	Date	2023-06-22 08-36-03	
	Status Solution Explaination	Ounder Review  Solved Counter will send herk	
		Swit CANCEL	

Figure 3.77 UI Complaint Detail for Warehouse staff

Lastly, the warehouse staff can update their profile. Figure 3.78 shows the interface of update profile for warehouse staff.

SuperProPOS	$\equiv$ Dashboard		9	Muhammad Azri Bin Asri Warehouse 4
Dashboard	Update Warehouse Profile			
Profile	Warehouse ID	W4		
Product	Warehouse Name	Muhammed Azri Bin Asri		
Order	Phone Number	0196435877		
Complaint	Email	azri@gmali.com		
€ Log Out	Change Password	123456		
		SMVE CANCEL		

Figure 3.78 UI Update Warehouse staff Profile for Warehouse staff

### 3.7 Testing Plan

Testing strategy that is used to do the testing plan is by using the User Acceptance Testing (UAT). The UAT is done to test the condition of the SuperProPOS: Product Ordering System environment. Each function is tested to ensure that it is free error and produce expected result. Below in Table 3.13 shows the UAT form that can be test by few testers. The formal of UAT form also can be referred in Appendix C.

NO	Module	Activities	Status	Comments
1.	Login	Login to system	Pass/Fail	
2.	Register	Register seller, marketer and	Pass/Fail	
	Employee	warehouse staff		
3.	Manage User	View, delete and update admin,	Pass/Fail	
	Profile	seller, marketer and warehouse		
		profile		
4.	Manage	View and update customer	Pass/Fail	
	Customer	profile		
5.	Manage Product	Add, view, delete and update	Pass/Fail	
	Detail	product information		
6.	Manage Order	Add, view and update order	Pass/Fail	
		information		
7.	Manage	Add, view and update complaint	Pass/Fail	
	Complaint	information		
8.	Generate Report	View sales report	Pass/Fail	

Table 3.13UAT of SuperProPOS: Product Ordering System

#### 3.8 Potential Use of Proposed Solution

During this time, a lot of business company run their business by hiring a worker to make sales for their business. Most of the business companies market their product by using the *Facebook Ads, Instagram Ads* and *Google Ads*. Marketer and Seller is needed to make sure that the business can run smoothly in dealing with customer from the *Facebook Ads, Instagram Ads* and *Google Ads*. So, the SuperProPOS: Product Ordering System is useful for this business company to manage their business online. The system allows the seller to make an order easily for customer, hence the marketer can easily access and view the performance of sales from their assigned seller. The admin also can add and update the product information to the system to let the seller make an order from the products. The complaint for order also helps the business company to improve and understand the seller's customer problem and enhance their business performance. Lastly, the sales report also generated by the system can help the business company aware about their business sales.

### 3.9 Gantt Chart

The Gantt Chart was utilized to ensure that the project was completed within the designated timeline. The development of the SuperProPOS: Product Ordering System Gantt Chart commenced with requirement planning, where all project requirements were gathered. Subsequently, the user design phase detailed the system's design. Following that, the rapid construction phase involved the complete development of the system. Finally, the transition phase commenced after the development was finished, and the entire system was thoroughly tested.

For reference, the Gantt Chart figure of the SuperProPOS: Product Ordering System phase can be found in Appendix D.

#### **CHAPTER 4**

#### IMPLEMENTATION, RESULT AND DISCUSSION

### 4.1 Introduction

Chapter 4 discusses the development, implementation, and testing results of the SuperProPOS: Product Ordering System, which was developed using the waterfall methodology. This web-based system is designed for a business company involved in product sales and caters to various user roles such as admin, marketer, seller, and warehouse staff, who collectively manage customer orders. The system requirements were gathered, and the system model was designed by incorporating insights from existing research. The development process was carried out and the system was tested extensively on the client side. Additionally, the system was successfully deployed to the FK INDAH server. Thorough testing was conducted to identify and address any potential errors or issues promptly.

#### 4.2 Implementation Process

The implementation process of the SuperProPOS: Product Ordering System discusses about the developer environment and the system functionality in detail.

#### 4.2.1 Developer Environment

The developer environment was setup first in order to allow the process of developing the SuperProPOS: Product Ordering System to run smoothly. The setup is being done in localhost of the developer laptop in the folder of xampp/htdocs/superpropos. The folder for the SuperProPOS: Product Ordering System is called "superpropos". Inside the superpropos folder contained the ApplicationLayer

folder, BusinessServiceLayer folder, css folder, images folder and info folder. Figure 4.1 and figure 4.2 below shows the folder of detail of superpropos inside the xampp/htdocs folder.



Figure 4.1 Folder of superpropos Inside xampp/htdocs (Localhost)

Name	Date modified	Туре	Size
ApplicationLayer	26/5/2023 6:20 PM	File folder	
BusinessServiceLayer	26/5/2023 6:20 PM	File folder	
Css	26/5/2023 6:20 PM	File folder	
📕 images	26/5/2023 6:20 PM	File folder	
images_complaint	11/6/2023 2:22 PM	File folder	
images_product	11/6/2023 12:27 PM	File folder	
images_receipt	11/6/2023 2:19 PM	File folder	
info_pdf	11/6/2023 12:29 PM	File folder	
libs	5/6/2023 12:18 AM	File folder	
📕 superproposnew-backup10jun	10/6/2023 6:31 PM	File folder	
📀 index	1/6/2021 3:58 PM	Chrome HTML Do	5 KB
superpropos	19/5/2023 11:37 AM	SQL File	10 KB

Figure 4.2 Details Folder Inside of superpropos Folder

The ApplicationLayer and BusinessServiceLayer is created in order to apply the MVC method to the SuperProPOS: Product Ordering System. ApplicationLayer is specified for the View of the MVC, in other words, it is folder for the code of the interface of the system. While the BusinessServiceLayer is specified for the Model and Controller of the system.

The ApplicationLayer folder contain a few folders that is being categorised based on users' interfaces. The folder is being named as ManageAdmin which is for Admin interfaces, ManageMarketer which is for the Marketer interfaces, ManageSeller which is for the Seller interfaces and ManageWarehouse which is for the Warehouse staff interfaces. Figure 4.3 below shows the detail of the ApplicationLayer folder.

<ul> <li>super &gt; Applicati ~ じ</li> </ul>		
Name	Date modified	Туре
📕 ManageAdmin	10/4/2023 12:29 PM	File folder
ManageMarketer	26/4/2023 1:12 AM	File folder
ManageSeller	26/4/2023 10:22 PM	File folder
🖈 📙 ManageWarehouse	26/4/2023 12:28 AM	File folder

Figure 4.3 Details of ApplicationLayer Folder

All of the code for the interface of admin in the SuperProPOS: Product Ordering System is developed under the ManageAdmin folder. Figure 4.4 below shows the code file of the interface for admin.

addEmployeeMarketerAdmin	22/6/2023 11:31 AM	PHP Source File
addEmployeeSellerAdmin	22/6/2023 11:31 AM	PHP Source File
addEmployeeWarehouseAdmin	22/6/2023 12:42 PM	PHP Source File
addNewProductAdmin	22/6/2023 11:31 AM	PHP Source File
🖷 adminHome	22/6/2023 11:25 AM	PHP Source File
🖻 adminLogout	18/6/2023 7:30 PM	PHP Source File
listComplaintAdmin	22/6/2023 11:32 AM	PHP Source File
IistCustomerAdmin	22/6/2023 11:32 AM	PHP Source File
IistMarketerAdmin	22/6/2023 12:41 PM	PHP Source File
🖷 listOrderAdmin	22/6/2023 11:32 AM	PHP Source File
IistProductAdmin	22/6/2023 11:32 AM	PHP Source File
istSellerAdmin	22/6/2023 12:40 PM	PHP Source File
IistWarehouseAdmin	22/6/2023 12:41 PM	PHP Source File
💀 loginAdmin	22/6/2023 3:29 PM	PHP Source File
🖷 updateAdminProfile	22/6/2023 11:32 AM	PHP Source File
📄 updateComplaintStatusAdmin	22/6/2023 11:55 AM	PHP Source File
🖷 updateMarketerProfileAdmin	22/6/2023 11:33 AM	PHP Source File
updateNewProductAdmin	22/6/2023 11:33 AM	PHP Source File
🖷 updateOrderStatusAdmin	22/6/2023 11:33 AM	PHP Source File
🖷 updateSellerProfileAdmin	22/6/2023 11:33 AM	PHP Source File
🖷 updateWarehouseProfileAdmin	22/6/2023 12:43 PM	PHP Source File
viewCustomerAdmin	22/6/2023 11:33 AM	PHP Source File
📄 viewDailyReportSalesAdmin	22/6/2023 11:33 AM	PHP Source File
viewMonthlyReportSalesAdmin	22/6/2023 11:33 AM	PHP Source File
viewYearlyReportSalesAdmin	22/6/2023 11:33 AM	PHP Source File

Figure 4.4

Details of ManageAdmin Folder

Next, the code for the interface of marketer in the SuperProPOS: Product Ordering System is developed under the ManageMarketer folder. Figure 4.5 below shows the code file of the interface for marketer.

📄 listComplain	ntMarketer	22/6/2023 12:28 PM	PHP Source File
💀 listCustomer	rMarketer	22/6/2023 11:34 AM	PHP Source File
💀 listOrderMar	rketer	22/6/2023 11:34 AM	PHP Source File
IistProductM	larketer	22/6/2023 11:34 AM	PHP Source File
IistSalesMark	keter	22/6/2023 11:35 AM	PHP Source File
💀 listSellerMar	rketer	22/6/2023 11:35 AM	PHP Source File
marketerHor	me	22/6/2023 11:35 AM	PHP Source File
🖷 marketerLog	gin	22/6/2023 3:29 PM	PHP Source File
💀 marketerLog	gout	18/6/2023 8:19 PM	PHP Source File
📄 updateProfil	leMarketer	22/6/2023 11:35 AM	PHP Source File
💌 viewCompla	aintStatusMarketer	22/6/2023 11:58 AM	PHP Source File
🖷 viewCustom	erMarketer	22/6/2023 11:35 AM	PHP Source File
💌 viewDailySal	leMarketer	22/6/2023 11:35 AM	PHP Source File
💀 viewMonthly	ySaleMarketer	22/6/2023 11:35 AM	PHP Source File
💀 viewOrderSt	atusMarketer	22/6/2023 11:35 AM	PHP Source File
iewProduct	Marketer	22/6/2023 11:35 AM	PHP Source File
💌 viewSellerPro	ofileMarketer	22/6/2023 11:36 AM	PHP Source File
💌 viewYearlySa	aleMarketer	22/6/2023 11:37 AM	PHP Source File

Figure 4.5 Details of ManageMarketer Folder

Then, the code for the interface of seller in the SuperProPOS: Product Ordering System is developed under the ManageSeller folder. Figure 4.6 below shows the code file of the interface for seller.

Name	✓ Date modified	Туре
addComplaintSeller	22/6/2023 11:52 AM	PHP Source File
addCustomerSeller	22/6/2023 11:38 AM	PHP Source File
addOrderSeller	22/6/2023 11:38 AM	PHP Source File
cartOrderSeller	22/6/2023 11:38 AM	PHP Source File
cartSeller	22/6/2023 11:38 AM	PHP Source File
eheckoutSeller	22/6/2023 11:38 AM	PHP Source File
🖷 header	5/6/2023 7:31 PM	PHP Source File
listComplaintSeller	22/6/2023 12:23 PM	PHP Source File
istCustomerSeller	22/6/2023 11:38 AM	PHP Source File
listOrderSeller	22/6/2023 11:38 AM	PHP Source File
listProductSeller	22/6/2023 11:38 AM	PHP Source File
sellerHome	22/6/2023 11:39 AM	PHP Source File
🖷 sellerLogin	22/6/2023 3:29 PM	PHP Source File
🖷 sellerLogout	18/6/2023 11:40 PM	PHP Source File
updateComplaintStatusSeller	22/6/2023 12:20 PM	PHP Source File
updateCustomerSeller	22/6/2023 11:39 AM	PHP Source File
updateOrderStatusSeller	22/6/2023 2:23 PM	PHP Source File
updateProfileSeller	22/6/2023 11:39 AM	PHP Source File
viewComplaintStatusSeller	22/6/2023 12:21 PM	PHP Source File
viewDailyReportSeller	22/6/2023 11:39 AM	PHP Source File
viewMonthlyReportSeller	22/6/2023 11:40 AM	PHP Source File
iewOrderDetailSeller	22/6/2023 11:40 AM	PHP Source File
viewProductSeller	22/6/2023 11:40 AM	PHP Source File
viewYearlyReportSeller	22/6/2023 11:40 AM	PHP Source File

Figure 4.6 Details of ManageSeller Folder

Later, the code for the interface of warehouse staff in the SuperProPOS: Product Ordering System is developed under the ManageWarehouse folder. Figure 4.7 below shows the code file of the interface for warehouse staff.

IistComplaintWh       22         IistOrderWh       22         IistProductWh       22         updateComplaintStatusWh       22         updateOrderStatusWh       22         updateProductWh       22         updateProductWh       22	2/6/2023 11:41 AM 2/6/2023 11:41 AM 2/6/2023 11:41 AM 2/6/2023 11:56 AM 2/6/2023 11:56 AM	PHP Source File PHP Source File PHP Source File PHP Source File PHP Source File
IistOrderWh       22         IistProductWh       22         updateComplaintStatusWh       22         updateOrderStatusWh       22         updateProductWh       22         updateProductWh       22	2/6/2023 11:41 AM 2/6/2023 11:41 AM 2/6/2023 11:56 AM 2/6/2023 11:41 AM	PHP Source File PHP Source File PHP Source File PHP Source File
IistProductWh       22         updateComplaintStatusWh       22         updateOrderStatusWh       22         updateProductWh       22         updateProductWh       22	2/6/2023 11:41 AM 2/6/2023 11:56 AM 2/6/2023 11:41 AM	PHP Source File PHP Source File PHP Source File
updateComplaintStatusWh 22 updateOrderStatusWh 22 updateProductWh 22 updateProductWh 22	2/6/2023 11:56 AM 2/6/2023 11:41 AM	PHP Source File PHP Source File
updateOrderStatusWh 22 updateProductWh 22 updateProductWh 22	2/6/2023 11:41 AM	PHP Source File
updateProductWh 22	2/6/2022 44:44 414	
undateDrofileW/b	2/6/2023 TI:4TAM	PHP Source File
in updaterionewn 22	2/6/2023 11:41 AM	PHP Source File
whHome 22	2/6/2023 11:41 AM	PHP Source File
whLogin 22	2/6/2023 3:29 PM	PHP Source File
whLogout 18	8/6/2023 7:08 PM	PHP Source File

Figure 4.7 Details of ManageWarehouse Folder

As for the BusinessServiceLayer folder, it contains a few folders that is being categorised based on controller, model and library of the system. The folder is being named as "controller" which is for the controller to handle all users input and updating the model and view of the system accordingly. While another folder is named "model" which is for the model to helps the system to manage the system state and consistency of that data in the system. Another folder is called "libs" which contained the file of code for connecting to the database. Figure 4.8 below shows the details inside of the BusinessServiceLayer.



Figure 4.8 Details of BusinessServiceLayer Folder

Name Date modified Туре adminController 22/6/2023 2:36 PM PHP Source File complaintController 22/6/2023 2:59 PM PHP Source File customerController 22/6/2023 2:59 PM PHP Source File marketersController 22/6/2023 4:26 PM PHP Source File orderController 22/6/2023 3:01 PM PHP Source File 22/6/2023 3:02 PM PHP Source File productController reportController 22/6/2023 3:13 PM PHP Source File sellerController 22/6/2023 3:07 PM PHP Source File warehouseController PHP Source File 22/6/2023 3:09 PM

Figure 4.9 below shows the details of the controller inside the "controller" folder.

Figure 4.9 Details of Controller Folder

Figure 4.10 below shows the details of the model inside the "model" folder.

	Name	Date modified	Туре
	adminModel	15/1/2023 11:56 AM	PHP Source File
7	complaintModel	28/4/2023 12:47 AM	PHP Source File
×	customerModel	29/4/2023 1:33 AM	PHP Source File
*	customerProfileModel	11/1/2023 12:38 AM	PHP Source File
*	marketerModel	28/4/2023 12:42 AM	PHP Source File
	orderModel	27/1/2023 2:45 AM	PHP Source File
	productModel	28/4/2023 12:47 AM	PHP Source File
	🖷 reportModel	11/1/2023 12:38 AM	PHP Source File
	sellerModel	27/4/2023 3:02 AM	PHP Source File
	warehouseModel	28/4/2023 12:47 AM	PHP Source File

Figure 4.10 Details of Model Folder

Figure 4.11 below shows the details of the library inside the "libs" folder.

Name Date modified Type 27/4/2023 11:46 PM PHP Source File	Name Date modified Type database 27/4/2023 11:46 PM PHP Source File	Name Date modified Type Matabase 27/4/2023 11:46 PM PHP Source File	Busir	nessServ > libs ~ 🕐 🖉 🔎 Search	libs	
database 27/4/2023 11:46 PM PHP Source File	database 27/4/2023 11:46 PM PHP Source File	★ database 27/4/2023 11:46 PM PHP Source File		Name	Date modified	Туре
*			*	database	27/4/2023 11:46 PM	PHP Source File

Figure 4.11 Details of Library Folder

The SuperProPOS: Product Ordering System is using MySQL database as the database of the system. It is connected to the system by using the XAMPP and use the phpMyAdmin to manage the database. Figure 4.12 below shows the connected MySQL database for the SuperProPOS: Product Ordering System called "superpropos" database.

<u>Ω.51</u> 00 @ ¢	P.	Structure		SQL	Search	Query	Export	🖶 Imp	ort 🥜	Operation	IS III	Privileges 💩 F	Routines C	Events
Recent Favorites	Fi	Iters												
New crud	Ci	ontaining the	word:											
elgedata		Table 🔺	Actio	n						Rows 😡	Туре	Collation	Size	Overhea
manageroster	0	admin	*	Browse	M Structure	Rearch	<b>]</b> ⊷ Insert	📻 Empty	Drop	1	InnoDB	utf8mb4_general_c	i 16.0 Kie	
- mysql	0	cart	*	Browse	M Structure	Rearch	si Insert	Rempty	C Drop	5	InnoDB	utf8mb4_general_c	i 48.0 KiE	
performance_schema     petakom	0	complaint	*	Browse	M Structure	Rearch	ai Insert	🚍 Empty	Drop	5	InnoDB	utf8mb4_general_c	i 32.0 K18	
petakommart		customer	*	Browse	K Structure	Rearch	🛃 Insert	📻 Empty	C Drop	4	InnoDB	utf8mb4_general_c	i 48.0 Kie	
phpmyadmin		marketer	*	Browse	M Structure	Rearch	Je Insert	🚍 Empty	C Drop	4	InnoDB	utf8mb4_general_c	i 16.0 KiB	
shop_db		orders	*	Browse	M Structure	Rearch	si insert	🚍 Empty	😂 Drop	13	InnoDB	utf8mb4_general_c	i 48.0 Kit	
superpropos		product	*	Browse	M Structure	Rearch	- Insert	🚍 Empty	Drop	5	InnoDB	utf8mb4_general_c	i 16.0 Kie	
New		seller	*	Browse	M Structure	Rearch	ai Insert	👷 Empty	G Drop	8	InnoDB	utf8mb4_general_c	i 48.0 KiB	
- cart	0	warehouse	*	Browse	M Structure	Rearch	3-e Insert	📻 Empty	Drop	2	InnoDB	utf8mb4_general_c	i 16.0 K1E	
complaint		9 tables	Sum							47	InnoDE	3 utf8mb4_general_	ci 288.0 Kie	. 0
- marketer	†	Che	ck all	With	selected		~							

Figure 4.12 Database of SuperProPOS: Product Ordering System

The language that was used in developing this system are HTML, PHP, CSS and Javascript. The code was written by using Visual Studio Code IDE. The system have been deployed to the FK INDAH server and can be referred to this link: https://indah.ump.edu.my/CB20009/superproposnew/ApplicationLayer/indexMain.php

### 4.2.2 System Functionality

The SuperProPOS: Product Ordering System functionality consist of login, register employee, manage user profile, manage product, manage customer, manage order, manage complaint and generate report. The detail of the functionality is explained in the subchapter 4.2.2.1 until subchapter 4.2.2.8 below.

### 4.2.2.1 Login

The login function allows the admin, seller, marketer and warehouse staff to login and gain access to the SuperProPOS: Product Ordering System. Figure 4.13 until figure 4.16 below shows the login page for admin, seller, marketer and warehouse staff.

SuperProF	POS
Admin Login	
Email	exp:abc@gmail.com
Password	enter your password here
	LOGIN BACK TO MAIN PAGE

Figure 4.13 Login Page for Admin

SuperProPOS	
Seller Login	
Email	exp email@gmai.com
Password	your password
	LOGIN BACK TO MAIN PAGE

Figure 4.14 Login Page for Admin

SuperProPOS		
Marketer Login		
Email	abc***a@gmail.com	
Password	your password here	
	LOBN BACK TO MAIN PAGE	

Figure 4.15 Login Page for Marketer

SuperProPOS	
Warehouse Staff Login	
Email	esp abc@gmail.com
Password	enter your password here
	LOGN BACK TO MAIN PAGE

Figure 4.16 Login Page for Warehouse staff

### 4.2.2.2 Register Employee

Register Employee functionality was handled by Admin in order to register the seller, marketer and warehouse staff to the SuperProPOS: Product Ordering System. The admin needs to choose Employee menu, then the system shows the list of Employee for seller first and the admin can choose the position of employee like seller, marketer or warehouse staff. The admin needs to click the Register New Seller in Seller menu, Register Marketer in Marketer menu and Register Warehouse staff in Warehouse staff menu in order to allow the admin to register seller, marketer and warehouse staff. Figure 4.17 until figure 4.20 shows the pages for register employee in the system.

SuperProPOS	∃ Dashb	oard					(	Zaid Bin Ahmad Admn 1
Dashboard				Seller Ma	arketer Ware	house Staff		
Profile	Register New Selle	4						
🗑 Employee	lister	anlause (Caller)						
I Product	List of Er	npioyee (Seller)		Search seller	٩			
ing Order	Seller	Seller Name	Phone	Email	Password	Marketer	Action	
🐣 Customer								
E Complaint	S20	Akmal Bin Amin	01922335533	akmalamin@gmail.com	01922335777	Muhammad Azhan Bin Khairi(M17)	пнете	
Sales Report		time the second					UPDATE	
	S18	Aman Naim Bin Azhan	018996778	aiman@gmail.com	018996778	Hakimi Bin Hakim(M5)	DECEDE	
🕪 Log Out	S17	Nabila Binti Samsudin	0176544223	nabilah@gmail.com	0176544223	Baharuddin Bin Mansuri(M18)	LIPITATI- DELETE	

Figure 4.17 List of Seller for Admin

SuperProPOS	$\equiv$ Dashboard		Zaid Bin Ahmad Admin 1
Dashboard	Register New Seller		
Profile	Marketer	M5 - Hakimi Bin Hakim	
😁 Employee	Name	enter employee name	
I Product	Phone Number	shows combas 0.0, may leadly in 12 shows the	
🚔 Order		penano carinana Mes, mas nargarta ta ta tanasan	
Customer	Email	enter employee email address	
Complaint	Password		
Sales Report		SUDMIT CANCEL	
🕞 Log Out			

Figure 4.18 Register New Seller Page for Admin

SuperProPOS	$\equiv$ Dashboard		2 Zald Ein Ahmad Admin 1
🗿 Dashboard	Register New Marketer		
O Profile	Name	enter employee name	
😁 Employee	Phone Number	phone number (3-8, max length is 12 character	
E Product	Email	anter armitesas armiti athaox	
🛕 Order		ence: employee email accirece	
🐣 Customer	Password		
Complaint		SLEMIT CANCEL	
Sales Report			
🕞 Log Out			

Figure 4.19 Register New Marketer Page for Admin

Deshboard     Register New Warehouse Staff     Profile     Imployee     Imployee     Product     Product     Crustomer     Compliant     Sales Report
Profile     Name     entre mitprices are       Imployee     Phone Number     whore surple Sign is together Sign is tog
Image: Sales Report     Image: Sales Report
III     Product <ul> <li>Order</li> <li>Customer</li> <li>Complaint</li> <li>Sales Report</li> <li>Customer</li> <li>Sales Report</li> <li>Customer</li> <li>Customer</li></ul>
Coder Customer Comparint Comparint Sales Report
Customer Passord Complaint Sales Report
Completet
El Sales Report
a landa
Ch. Les Cut

Figure 4.20 Register New Warehouse staff Page for Admin

In order to allow the register employee module to be functioning well, controller of each user like seller, marketer and warehouse staff are needed. The controller code was stated below.

This is sellerController that allow the admin to add, update and delete the seller to be functioning in the system.

```
<?php
include("../../BusinessServiceLayer/libs/database.php");
    // add seller profile
    class sellerController {
    public function addSeller() {
        if (isset ($_POST['add'])){
        $S_Name=$_POST['s_Name'];
        $S_PhoneNum=$_POST['S_PhoneNum'];
        $S_Email=$_POST['S_Email'];
        $S_Password=$_POST['S_Password'];
        $Marketer_Id=$_POST['S_Password'];
        $Marketer_Id=$_POST['Marketer_Id'];
        // Additional code to sanitize and validate inputs
        $query = "INSERT INTO seller VALUES('', '$S_Name', '$S_PhoneNum',
        '$S_Email', '$S_Password', '$Marketer_Id')";
        $conn = mysgli connect('localhost', 'root', '', 'superpropos');
    }
```

```
// Check if email already exists in the database
   $checkQuery = "SELECT * FROM seller WHERE S Email='$S Email'";
   $result = mysqli_query($conn, $checkQuery);
   if (mysqli_num_rows($result) > 0) {
       echo "Error: Email already exists";
       return; // Exit the function if email already exists
   if (mysqli_query($conn, $query)) {
       echo "<script type='text/javascript'>
window.location='../../ApplicationLayer/ManageAdminProfile/listSellerAd
min.php' </script>";
   } else {
       echo "Error: " . $query . "<br>" . mysqli error($conn);
   }
   }
   //update seller profile
   public function updateSeller() {
     if (isset($ POST['update'])) {
         $Seller_Id = $_POST['Seller_Id'];
         $$ Name = $ POST['S Name'];
         $S_PhoneNum = $_POST['S_PhoneNum'];
         $$ Email = $ POST['S Email'];
         $$ Password = $ POST['S Password'];
         $Marketer_Id= $_POST['Marketer Id'];
         $query = "UPDATE seller SET S Name='$S Name',
S_PhoneNum='$S_PhoneNum', S_Email='$S_Email', S_Password='$S_Password',
Marketer_Id='$Marketer_Id' WHERE Seller_Id='$Seller_Id'";
         $conn = mysqli_connect('localhost', 'root', '',
'superpropos');
         if (mysqli_query($conn, $query)) {
             echo "<script type='text/javascript'>
window.location='../../ApplicationLayer/ManageAdminProfile/listSellerAd
min.php' </script>";
         } else {
             echo "Error: " . $query . "<br>>" . mysqli_error($conn);
```

```
//delete seller
   public function deleteSeller($Seller Id) {
       $conn = mysqli_connect('localhost', 'root', '', 'superpropos');
       if (isset ($ POST['delete'])){
       $Seller Id = mysqli real escape string($conn, $Seller Id);
       $query = "DELETE FROM seller WHERE Seller_Id='$Seller_Id'";
       if (mysqli_query($conn, $query)) {
         echo "<script type='text/javascript'>
window.location='../../ApplicationLayer/ManageAdminProfile/listSellerAd
min.php' </script>";
       } else {
         echo "Error: " . $query . "<br>" . mysqli_error($conn);
       mysqli close($conn);
   $seller = new sellerController();
   if(isset($_POST['update'])){
       $seller->updateSeller();
     if(isset($_POST['add'])){
       $seller->addSeller();
     if (isset($ POST['delete'])) {
       $Seller_Id = $_POST['Seller_Id'];
       $seller->deleteSeller($Seller Id);
```

}

This is marketersController that allow the admin to add, update and delete the marketer to be functioning in the system.

```
<?php
   include("../../BusinessServiceLayer/libs/database.php");
     // add marketer profile
   class marketersController {
   public function addMarketer() {
   if (isset ($ POST['add'])){
   $M_Name=$_POST['M_Name'];
   $M PhoneNum=$ POST['M PhoneNum'];
   $M Email=$ POST['M Email'];
   $M_Password=$_POST['M_Password'];
   $query = "INSERT INTO marketer
VALUES('', '$M_Name', '$M_PhoneNum', '$M_Email', '$M_Password')";
   $conn = mysqli_connect('localhost', 'root', '', 'superpropos');
   if (mysqli query($conn, $query)) {
       echo "<script type='text/javascript'>
window.location='../../ApplicationLayer/ManageAdminProfile/listMarketer
Admin.php' </script>";
   } else {
       echo "Error: " . $query . "<br>>" . mysqli_error($conn);
   }
   //update marketer profile
   public function updateMarketer() {
   if (isset ($_POST['update'])){
       $Marketer_Id=$_POST['Marketer_Id'];
       $M_Name=$_POST['M_Name'];
       $M_PhoneNum=$_POST['M_PhoneNum'];
       $M_Email=$_POST['M_Email'];
```
```
$M Password=$ POST['M Password'];
       $query = "UPDATE marketer SET M_Name',
M PhoneNum='$M PhoneNum', M Email='$M Email', M Password='$M Password'
WHERE Marketer_Id='$Marketer_Id'";
       $conn = mysqli_connect('localhost', 'root', '', 'superpropos');
       if (mysqli query($conn, $query)) {
           echo "<script type='text/javascript'>
window.location='../../ApplicationLayer/ManageAdminProfile/listMarketer
Admin.php' </script>";
       } else {
           echo "Error: " . $query . "<br>" . mysqli_error($conn);
   //delete marketer
   public function deleteMarketer($Marketer Id) {
       $conn = mysqli_connect('localhost', 'root', '', 'superpropos');
       if (isset ($_POST['delete'])){
       $Marketer_Id = mysqli_real_escape_string($conn, $Marketer_Id);
       $query = "DELETE FROM marketer WHERE
Marketer_Id='$Marketer_Id'";
       if (mysqli_query($conn, $query)) {
         echo "<script type='text/javascript'>
window.location='../../ApplicationLayer/ManageAdminProfile/listMarketer
Admin.php' </script>";
       } else {
         echo "Error: " . $query . "<br>" . mysqli_error($conn);
      mysqli_close($conn);
```



This is warehouse Controller that allow the admin to add, update and delete the warehouse staff to be functioning in the system.

```
<?php
include("../../BusinessServiceLayer/libs/database.php");
    // add warehouse staff profile
    class warehouse staffController {
    public function addWarehouse staff() {
        if (isset ($_POST['add'])){
        $W_Name=$_POST['W_Name'];
        $W_PhoneNum=$_POST['W_PhoneNum'];
        $W_Email=$_POST['W_Email'];
        $W_Email=$_POST['W_Password'];
        $query = "INSERT INTO warehouse staff
VALUES('','$W_Name','$W_PhoneNum','$W_Email','$W_Password')";
        $conn = mysqli_connect('localhost', 'root', '', 'superpropos');
    }
```

```
if (mysqli query($conn, $query)) {
       echo "<script type='text/javascript'>
window.location='../../ApplicationLayer/ManageAdminProfile/listWarehous
e staffAdmin.php' </script>";
   } else {
       echo "Error: " . $query . "<br>" . mysqli_error($conn);
   }
   //update warehouse staff profile
   public function updateWarehouse staff() {
   if (isset ($_POST['update'])){
       $Warehouse staff_Id=$_POST['Warehouse staff_Id'];
       $W Name=$ POST['W Name'];
       $W PhoneNum=$ POST['W PhoneNum'];
       $W_Email=$_POST['W_Email'];
       $W Password=$ POST['W Password'];
       $query = "UPDATE warehouse staff SET W_Name='$W_Name',
W_PhoneNum='$W_PhoneNum', W Email='$W Email', W Password='$W Password'
WHERE Warehouse staff Id='$Warehouse staff Id'";
       $conn = mysqli_connect('localhost', 'root', '', 'superpropos');
       if (mysqli_query($conn, $query)) {
           echo "<script type='text/javascript'>
window.location='../../ApplicationLayer/ManageAdminProfile/listWarehous
e staffAdmin.php' </script>";
       } else {
           echo "Error: " . $query . "<br>" . mysqli_error($conn);
       }
   }
   //delete warehouse staff
```

```
public function deleteWarehouse staff($Warehouse staff Id) {
       $conn = mysqli_connect('localhost', 'root', '', 'superpropos');
       if (isset ($_POST['delete'])){
       $Warehouse staff Id = mysqli real escape string($conn,
$Warehouse staff_Id);
       $query = "DELETE FROM warehouse staff WHERE Warehouse
staff Id='$Warehouse staff Id'";
       if (mysqli_query($conn, $query)) {
         echo "<script type='text/javascript'>
window.location='../../ApplicationLayer/ManageAdminProfile/listWarehous
e staffAdmin.php' </script>";
       } else {
         echo "Error: " . $query . "<br>>" . mysqli_error($conn);
       }
       mysqli_close($conn);
   $warehouse staff = new warehouse staffController();
   if(isset($_POST['update'])){
       $warehouse staff->updateWarehouse staff();
     if(isset($_POST['add'])){
       $warehouse staff->addWarehouse staff();
     if (isset($_POST['delete'])) {
       $Warehouse staff Id = $ POST['Warehouse staff Id'];
       $warehouse staff->deleteWarehouse staff($Warehouse staff Id);
```

?>

#### 4.2.2.3 Manage User Profile

Module Manage User Profile allow the users of the system to manage their own profile. The admin, seller, marketer and warehouse staff are allowed to update their profile in the SuperProPOS: Product Ordering System. Figure 4.21 until figure 4.24 below shows the update profile page for Admin, Seller, Marketer and Warehouse staff.

SuperProPOS	$\equiv$ Dashboard		Zaid Bin Ahmad Admin 1
🚯 Dashboard	Update Admin Profile		
e Profile	Admin ID	A1	
😁 Employee	Admin Name	Zaid Bin Ahmad	
Product	Phone Number	012945811	
🚊 Order			
Customer	Email	zaidishak@gmail.com	
Complaint	Change Password	123456	
Sales Report		SAVE CANCEL	
🕞 Log Out			

Figure 4.21 Update Profile Page for Admin

SuperProPOS	ORDER NOW		cart
🚳 Dashboard	$\equiv$ Dashboard		Siti Akyah Binti Ahmad
😧 Profile	Lindate Seller Profile		Seller 1
I Product	Seller ID	S1	
🚔 Order	Seller Name	Siti Aisyah Binti Ahmad	
Customer	Phone Number	0197309011	
Complaint	Email	siti@gmail.com	
	Change Password	123456	
🕒 Log Out	Marketer ID	Hakimi Bin Hakim (M5)	
		SAVE	

Figure 4.22 Update Profile Page for Seller

SuperProPOS	$\equiv$ Dashboard		Halimi Bin Halim Masser S
🚳 Dashboard	Update Marketer Profile		
🙁 Profile	Marketer ID	М5	
👕 Employee	Marketer Name	Haldmi Bin Hatim	
E Product	Phone Number	0197069659	
🛆 Order	Email	hvidmi@jgmail.com	
🐣 Customer	Change Password	121426	
📼 Complaint			
Sales Report		SWIF CONCEI	
🕒 Log Out			

Figure 4.23 Update Profile Page for Marketer

SuperProPOS	$\equiv$ Dashboard		Muhammad Azri Bin Azri Washtsus 4
🙆 Dashboard	Update Warehouse Profile		
Prolile	Warehouse ID	W4	
Product	Warehouse Name	Muhammad Azri Bin Aari	
â Order	Phone Number	0195439677	
Complaint	Email	azni@gmail.com	
🕩 Log Oul	Change Password	1Z1466	
		SAVE CANCEL	

Figure 4.24 Update Profile Page for Warehouse staff

#### 4.2.2.4 Manage Product

Manage Product module allow the admin to add new product information to the system by product name, information, price, weight, image, document and category. Figure 4.25 below shows the Add New Product page for Admin.

SuperProPOS	$\equiv$ Dashboard		Al Admin
Dashboard	Add New Product		
🖀 Employee	Product Name		
I Product	Information		
Order Customer	Price		
Complaint	Weight		
Sales Report	Image	Choese File No file chosen	
	Category	Groose File No file chosen	
		SUBMIT CANDEL	

Figure 4.25 Add New Product Page for Admin.

Once the admin success adds the product information to the system. The warehouse staff needs to update the product status and quantity of product in the system. Figure 4.26 below shows the update product page for Warehouse staff.

SuperProPOS	$\equiv$ Dashboard		WI Weeknawe
🐠 Dashboard	Update Product		
I Product	Product ID	P19	
🚔 Order	Product Name	Fibre Choco	
Complaint	Information	Minuman Berkhasiat ooklat yang sedap dan baik untuk tubuh badan	
Company	Price	150.00	
She Loss Out	Weight	330	
	lmage		
	Document	EBOOK FIBRE CHOCO.pdf	
	Category	Health	
	Status	Available ○ Not Available	
	Quantity	20	
		SAVE CANCEL	

Figure 4.26 Update Product Page for Warehouse staff

Once the Warehouse staff update the status and quantity of product to the system. The marketer and seller are able to view the product information in the system. Figure 4.27 and figure 4.28 below shows the list of product page for marketer and seller.

● Dashbaard     E Dashbaard     ● During       ● Profile         ■ Product	<ul> <li>Bashboard</li> <li>D troble</li> <li>Product</li> <li>Cutsmar</li> <li>Cutsmar</li> <li>Compliant</li> <li>Sales Report</li> <li>Lag Out</li> <li>Lag Out</li> <li>D Compliant</li> <li>Sales Report</li> <li>Sale</li></ul>	SuperProPOS	ORDER NOW			an
<ul> <li>Profile</li> <li>Product</li> <li>Ust of Product</li> <li>Customer</li> <li>Customer</li> <li>Comptaint</li> <li>Sales Report</li> <li>Seret G</li> <li>Se</li></ul>	Proble Proble Crider Cuttor Product: Cuttor Product: Complant: Complant: Sales Report Complant: Complant: Sales Report Complant: Complant: Sales Report Complant: Complant: Sales Report Complant: Com	🔹 Dashboard	$\equiv$ Dashboard		6	Ua Yasmon Binti Ahmed
<ul> <li>■ Product</li> <li>Cutater</li> <li>Cutater</li> <li>Cutatomer</li> <li>Cutatomer</li> <li>Complaint</li> <li>Selets Report</li> <li>Seret G</li> <li>Selets Report</li> <li>Seret G</li> <li>Selets Report</li> <li>Seret G</li> <li>Selets Report</li> <li< td=""><td><ul> <li>Product</li> <li>Crider</li> <li>Customer</li> <li>Compliant</li> <li>Sales Report</li> <li>Log Gut</li> <li>Log Gut<td>e Profile</td><td>-</td><td></td><td>1.044</td><td>SHEET</td></li></ul></td></li<></ul>	<ul> <li>Product</li> <li>Crider</li> <li>Customer</li> <li>Compliant</li> <li>Sales Report</li> <li>Log Gut</li> <li>Log Gut<td>e Profile</td><td>-</td><td></td><td>1.044</td><td>SHEET</td></li></ul>	e Profile	-		1.044	SHEET
Cruder     Customer     Complete     Complete     Select Papolet     Select Papolet     Select Papolet     Select Report     Log Cut     Select Gas     Select     Select     Select     Select Gas     Select Gas     Select Gas     Select	Croder Constraint Comparise Compari	Product	List of Product			N.
Curctomer     Compliant     Curctomer     Compliant     Soler Report     Log Out     Curct     Curctomer	Constance Complexit Soles Report  Soles Rep	🚔 Order	Search product_		Search	
Ex     Completint     5 Products       E     Sales Report     Sales for Anables	<ul> <li>■ Completint</li> <li>■ Sales Report</li> <li>■ Sales Report</li> <li>■ Log Out</li> <li>See E sin max sin max</li></ul>	Customer	Products			
E Sales Raport     Seere G     Suble Infol     Regularity     Regularity<	Sales Report  Log Out  Log Out  Sales Ref Amble  Sales  Sales Ref Amble  Sales	Complaint	5 Products			
Constant Constan	I Log Out           Seer 6         Sacha India         Kopi Lintaa         Alorit Gar         Filer Obcoo           Nik Acco         Xik Acco         Xik Acco         Xik Acco         Sixi Alorit           Available         Available         Net Available         Available         Available         Available	Sales Report				
		🕒 Log Out	Sweet G Sacha Inchi Koj RM 76.00 RM 70.00 RS Available Available Nat	pi Jintan Joint Care 4 12000 RM 2000 Available Available	Fibre Choco RM 15100 Available	

Figure 4.27 List Product Page for Seller

SuperProPOS	E Dashboard
als Dashboard	List of Product
😭 Employee	Search procedu.
t≣ Product ▲ Order	Products
Customer	S Products
🚍 Complaint	
n Sales Report	Seere C Schallen Deplintere Inizi Ceve Fair-Olices Nat Fillion Martines National Balances Inizi Cece Fair-Olices Available Analisatio Recalatation Availabilité Analisatio
🍽 Log Out	

Figure 4.28 List of Product Page for Marketer

Once the seller or marketer click the product image, the product displayed the product information in detail. Figure 4.29 below shows the product detail page looks like.



Figure 4.29 Product Detail Page for Seller

#### 4.2.2.5 Manage Customer

Manage Customer module allowed the seller to add customer information to the system. The seller is allowed to add, update and delete the customer information. Figure 4.30 until figure 4.32 below shows the manage customer pages for Seller.

SuperProPOS	ORDER NOW						art
Dashboard	≡ Dashboai	ď					Stit Aleyan Solor 1
e Profile	Add New Gustemer						
Product	List of Custome	r					
🚔 Order		Search Customer			Search		
🚨 Customer	Customer ID	Customer Name	Phone	State	Date		
🖽 Complaint	C9	Malsarah Adlah Birdi Kamarul	01322331	Patiang	2023-06-08	UPDATE DELETE	
Sales Report	G10	Adwa	0190001100	Selangor	2023-06-06		
🕒 Log Out	C11	Habibah Birti Ahmad	01977777	Selangor	2023-06-09	UPDATE DELETE	

Figure 4.30 List Customer for Seller

SuperProPOS	ORDER NOW		cart
Dashboard	$\equiv$ Dashboard		Shi Alsyah Seler I
\varTheta Profile			
III Product	Add New Customer		
🚔 Order	Customer Name		
🛔 Customer	Phone Number		
🚍 Complaint	Flat		
Sales Report	Street		
	City		
C+ Log Out	State		
	Country		
	Postcode		
		SLEME CANAL	

Figure 4.31 Add New Customer Page for Seller

Dashboard	$\equiv$ Dashboard		Sti Alsyah Seller 1
Profile	Update Customer Detail		
Product	Customer ID	C9	
🛆 Order	Customer Name	Masarah Aqlah Vinti Kamanul	
🐣 Customer	Phone Number	01322331	
Complaint	Elat	No 49	
Sales Report		No ta	
	Street	Jalan Ka Baru	
🕒 Log Out	Postcode	4502	
	City	Tebuic Jaw	
	State	Pahang	
	Country	Madagwise	
	Date	2023-06-08	
		SAVE CANOEL	

Figure 4.32 Update Customer Page for Seller

In order to allow the function of the customer to be manageable, customerController was done. Below is the code for customerController.

```
<?php
   include("../../BusinessServiceLayer/libs/database.php");
     // add customer profile
   class customerController {
   public function addCustomer() {
   if (isset ($ POST['add'])){
   $C_Name=$_POST['C_Name'];
   $C PhoneNum=$ POST['C PhoneNum'];
   $C Flat=$ POST['C Flat'];
   $C Street=$ POST['C Street'];
   $C_City=$_POST['C_City'];
   $C State=$ POST['C State'];
   $C_Country=$_POST['C_Country'];
   $C_Postcode=$_POST['C_Postcode'];
   $C_Date= date('Y-m-d H:i:s');
   $sellerID=$ POST['Seller Id'];
   $query = "INSERT INTO customer
VALUES('','$C Name','$C PhoneNum','$C Flat',
'$C_Street','$C_City','$C_State','$C_Country','$C_Postcode','$C_Date','
$sellerID')";
   $conn = mysqli_connect('localhost', 'root', '', 'superpropos');
   if (mysqli_query($conn, $query)) {
       echo "<script type='text/javascript'>
window.location='../../ApplicationLayer/ManageSeller/listCustomerSeller
.php' </script>";
   } else {
       echo "Error: " . $query . "<br>" . mysqli_error($conn);
```

```
//update customer profile
       public function updateCustomer()
       {
           if (isset($ POST['update'])) {
               $Customer_Id = $_POST['Customer_Id'];
               $C_Name = $_POST['C_Name'];
               $C PhoneNum = $ POST['C PhoneNum'];
               $C Flat = $ POST['C Flat'];
               $C_Street = $_POST['C_Street'];
               $C_City = $_POST['C_City'];
               $C State = $ POST['C State'];
               $C_Country = $_POST['C_Country'];
               $C_Postcode = $_POST['C Postcode'];
               $C_Date = $_POST['C_Date'];
               $sellerID = $ POST['Seller Id'];
               $query = "UPDATE `customer` SET `C_Name`='$C_Name',
 C_PhoneNum`='$C_PhoneNum', `C_Flat`='$C_Flat', `C_Street`='$C_Street',
 C_City`='$C_City', `C_State`='$C_State', `C_Country`='$C_Country',
 C Postcode` = '$C Postcode' WHERE `Customer Id` = '$Customer Id' AND
 Seller_Id`='$sellerID'";
               $conn = mysqli connect('localhost', 'root', '',
'superpropos');
               if (mysqli_query($conn, $query)) {
                   echo "<script type='text/javascript'>
window.location='../../ApplicationLayer/ManageSeller/listCustomerSeller
.php' </script>";
               } else {
                   echo "Error: " . $query . "<br>>" .
mysqli_error($conn);
               }
           }
       }
   //delete customer
   public function deleteCustomer($Customer Id) {
       $conn = mysqli_connect('localhost', 'root', '', 'superpropos');
       if (isset ($_POST['delete'])){
       $Customer_Id = mysqli_real_escape_string($conn, $Customer_Id);
```

```
$query = "DELETE FROM customer WHERE
Customer Id='$Customer_Id'";
       if (mysqli_query($conn, $query)) {
         echo "<script type='text/javascript'>
window.location='../../ApplicationLayer/ManageAdminProfile/listCustomer
Admin.php' </script>";
       } else {
         echo "Error: " . $query . "<br>" . mysqli_error($conn);
       mysqli_close($conn);
   }
   $customer = new customerController();
   if(isset($_POST['update'])){
       $customer->updateCustomer();
     if(isset($_POST['add'])){
       $customer->addCustomer();
     if (isset($_POST['delete'])) {
       $Customer_Id = $_POST['Customer_Id'];
       $customer->deleteCustomer($Customer_Id);
   ?>
```

#### 4.2.2.6 Manage Order

Manage Order module is work as a module that allow the seller to make order for customer. The customer needs to add product to cart and fill the order form in order to make the order submission successful. The admin then updated the status of the payment for the orders to allow the warehouse staff to pack the order and update the delivery status of the orders. Figure 4.33 below shows the process of manage order module.

The seller needs to click the "Add To Cart" in the page below to add the selected product to cart before submit an order form.



Figure 4.33 Add Order Page for Seller

Once the seller clicks the "cart" button, the system then displayed the Add To Cart page for seller as shown in figure 4.34 below.

SuperProPOS	ORDER NOW						wt <sup>9</sup>
Bashboard	$\equiv$ Dashboard						La facture d'est Alexand
\varTheta Profile							Saler I
I Froduct	Cart Detall						
🏛 Order				bonning Cart			
🛎 Customer				nopping care			
Complaint	Product		Frice	Guntly	Taral	Arites	
Soles Report	<u></u>	Stand G	RM 78.00	1 (gittar)	RM 76	the encounter of the second se	
	continue strapping	Grand total			RM 70	Windows	
G+ Log Out						proceed to checkture	
						_	

Figure 4.34 Add to Cart Pages for Seller.

Once the seller click add to cart button, the system then displays the Check-Out Order Form for seller as shown in figure 4.35 below.

SuperProPOS	CRIDIR NOW			an <sup>y</sup>
Dashboard	$\equiv$ Dashboard			La Yuman Dros
Profile				Salar 11
Product		Com	plete Your Order	
🚖 Order				
Customer		Sweet G(1) Grand Total - RM 76		
· Constitute				
ini conpani		Column Netwo	Phone Number	
Sales Report		Abdullan Dir Ans Telev	0.0-52000	
		Degeneral Medical	Bank	
🗢 Log Out		Cartestay	· · · · ·	
		Receipt Image	Percept Ref. Museum	
		Case of Fernand		
		14/22/2005	E Marrie Marge	
		417 PD / 4542	w percentra w	
		Address line 1	Address line 2	
		No.21	Engen kristnick Oner	
		oly	State	
		Baba Ponan	800.00	
		Country	Postcole	
		and a second second		
		at Opens		
			use new	

Figure 4.35 Check Out Order Form Page for Seller.

Once the order submitted, the admin then verify the payment status from the bank receipt information given by updating the Payment Status approved or disapproved.as shown in figure 4.36 below.

● Dashboard       Order U       049         ● Profile       049         ● Employee       Distorer Name       Habitah Elisti Ahmind         ● Order U       049         ● Order U       049         ● Order U       049         ● Order U       049001100         ● Order U       04001100         ● Order U       0402 Kg Simpang 4 65205 Sabak Bensam Selangor Matayaia         ● Order       Dashe U         ● Order U       Adress         ● Order U       Adress         ● Order U       Adress         ● Order U       Escelpt Mathod         ● Order U       Escelpt Mathod         ● Order U       Escelpt Reference         ● Log Out       Promet Date A Time         ● Log Out       Promet Status         ● Status (1) Trin Jetan Hitam (1) Hadue Propole (1)       2000         ● Order U       Order U         ● Promet Status       Ox/proved (0) Elisproved         ● Eliver Status       Ox/proved (0) Elisproved U         ● Deliver Status       Ox/prov	SuperProPOS	$\equiv$ Dashboard				Zaid Bin Ahmad Admin 1
Order ID       049         ✓ torployce       Customer Name       Hablish Elist Ahmad         I Order       Phone Nember       990001100         I Order       Adress       No 42 Xg Simpang 4 65200 Sabak Benam Selangor Matayala         I Order       Payment Method       ATLACDM Machine         I Complaint       Bak       Maybak         Sales Report       Receipt Reference       #Reft223131331         Payment Satus       20236423163800       Naja Yan         Sales Report       Side Nations(1), Tai. Alema Hiten(1), Nadu Propole (1)       200.00       Naja Yan         Payment Satus       I Order (1), Tai. Alema Hiten(1), Nadu Propole (1)       200.00       Naja Yan         Deliver Satus       I Order (2) Disproved (1) Disprov	B Dashboard	Update Order Status				
Customer Name       Habibat Birli Ahmad         Product       Pison Number       919001100         Adress       No 42 Kg Simpang 4 65200 Sabat Bernam Selangor Malayala       Adress         Order       Payment Method       ATMCCDM Machine         Complaint       Bak       Majbank         Soles Report       Receipt Baference       #Reft22131331         Payment Date & Time       2023-622315302       Total Price         Soles Report       Payment Batus       Total Price         Soles Report       Soles Introl (1), Tal. Artistan Hitteri (1), Naure Up Tablet (1), Made Proposit (1)       200.00         Soles Report       Soles Introl (1), Tal. Artistan Hitteri (1), Naure Up Tablet (1), Made Proposit (1)       200.00         Portext Name & Guandity       Soles Proposit (1)       200.00       Naija Van         Soles Report       Sole Soles Total Hitteri (1), Made Proposit (1)       200.00       Naija Van         Soles Control (1), Tal. Artistan Hitteri (1), Naure Up Tablet (1), Made Proposit (1)       200.00       Naija Van         Soles Control (1)       Soles Control (1)       Soles Control (1)       Soles Control (1)         Payment Satus       Soleptored (1) Disported (1)       Soles Control (1)       Soles Control (1)         Deliver Satus       Pending       Total Price (1)       Sol	• Profile	Order ID	Q49			
Product Phone Number 010001100   Address No 42 Kg Simpang 4 65200 Sabak Benam Selanger Malayala   Address No 42 Kg Simpang 4 65200 Sabak Benam Selanger Malayala   Complaint Bank   Complaint Receipt Image   Sales Report Receipt Reference   Payment Method Af822331331   Powent Name & Quantity 2023-66-2316.500   Powent Status Orlog Dut   Payment Status Orlog Dut	😁 Employee	Customer Name	Habibah Binti Ahmad			
Addres       No 42 Kg Simpang 4 65200 Sabak Bernam Selangor Malayala         Peyment Method       ATMCDM Machine         Complaint       Bask       Maybark         Complaint       Receipt Insage       Selensor Malayala         Sales Report       Receipt Reference       #Ref1223111331         Poyment Date & Time       2023-66-23 10 530       Shipping Method         Sales Report       Selensor Malayala       Shipping Method         Sales Report       Selensor Malayala       Shipping Method         Selensor Malayala       Selensor Malayala       Selensor Malayala         Poyment Date & Time       Suban Ham (1). Neuro Up Tablet (1). Madu Propositi (1)       Solo       Neija Van         Selensor Malayala       Selensor Malayala Bind Admad (S1)       Poyment Satus       Approved - Disapproved - Lensor Method         Deliver Status       Approved - Disapproved - Lensor Malayala       Selensor Malayala       Selensor Malayala         Deliver Status       Approved - Disapproved - Lensor Malayala <th>Product</th> <td>Phone Number</td> <td>0190001100</td> <td></td> <td></td> <td></td>	Product	Phone Number	0190001100			
Payment Method       ATMCCM Machine         Customer       Baik       Maytamk         Complaint       Receipt Baference       #Reft223131331         Sales Report       Receipt Baference       #Reft223131331         Payment Date & Time       2023-66-23 10 500         Product Name & Guanthy       Total Price       Shipping Method         Sales Intel(1), Tai. Jirtan Hitam (1), Neure Up Tablet (1), Madu Propole (1)       290.00       Neija Van         Seler       Sill Aliyah Bint Ahmad (S1)       Permont Satus       - Approved - Disaptroved         Deliver Satus       - Approved - Disaptroved       - E       - E         Deliver Satus       - Approved - Disaptroved - Disaptroved       - E       - E	â Order	Address	No 42 Kg Simpang 4 65200 Sabak Bernam Selar	gor Malaysia		
Consider     Bark     Marjarak       Complaint     Receipt flagen     Image       Sales Report     Receipt flagence     #Ref122313131       Image     Image     Image       Receipt flagence     #Ref122313131       Image     Image	- Cutomer	Payment Method	ATM/CDM Machine			
		Bank	Maybank			
Recipit Reference       #Ref1223131331         Payment Date & Time       2023-06-23 10 63 00         Product Name & Guantity       Total Price       Shipping Method         Sacha Inckl (1), Tah.Jintan Hitam (1), Nauru Up Tablet (1). Madu Propolis (1)       200.00       Ninja Van         Sacha Inckl (2), Tah.Jintan Hitam (1), Nauru Up Tablet (1). Madu Propolis (1)       200.00       Ninja Van         Safeir       Siti Alsyah Birti Akmad (S1)       200.00       Ninja Van         Deliver Status       0.Approved Olisapproved       V       V         Tracking Number       Tracking Number       V       V       V	Sales Report	Receipt Image				
Payment Date & Time     2023-86-23 18 53 00       Product Neme & Quantify     Total Price     Shipping Method       Sacha Inchi (1), Tah, Jintan Hitam (1), Neuro Up Tablet (1), Madu Propoliti (1)     290,00     Ninja Van       Seller     Shit Alayah Binf Almand (S)        Payment Status     - Approved - Disapproved        Deliver Status     Pending        Tacking Number     - Marcin		Receipt Reference	#Ref1223131331			
Product Name & Quantity     Total Price     Shipping Method       Sacha Inchi (1), Tah Jiman Hitam (1), Neuro Up Tablet (1), Madu Propols (1)     290.00     Ninja Van       Sellier     Stil Alsryah Bind Ahmad (3)        Payment Status     ○ Approved ○ Ditapproved        Deliver Status     Pending       Tracking Number	🕒 Log Out	Payment Date & Time	2023-06-23 10 53 00			
Sacha Inchi (1), Teh Jintan Hitam (1), Neuro Up Tablet (1), Madu Propolis (1) 290, 20 Ninja Van Seller Sitt Atryah Bind Abmad (S1) Peyment Status  Peyment Status  Pending Tracking Number Surt Cuecus		Product Name & Quantity		Total Price	Shipping Method	
Seller Sill Alsnych Bird Ahmad (S1) Payment Status OApptoved OBsapproved Deliver Status Pending Tracking Number		Sacha Inchi (1) , Teh Jintan Hitam (	1) , Neuro Up Tablet (1) , Madu Propolis (1)	290.00	Ninja Van	
Payment Status OApproved ODisapproved Deliver Status Pending Tracking Number		Seller	Siti Aisyah Binti Ahmad (S1)			
Deliver Status Pending Tracking Number Not Colorce		Payment Status	○ Approved ○ Disapproved			
Tracking Number		Deliver Status	Pending			
SAVE CANCEL		Tracking Number				
			SAVE CANCEL			

Figure 4.36 Update Order Payment Status Page for Admin.

Once the payment had been approved by admin, the warehouse staff then update the delivery status of the order as shown in figure 4.37 below:

Sup	<b>DerProPOS</b> = Dashbo	bard				1	Muhammad Azri Bin Asri Watehouse 4	
89 D	ashboard Update Order	r Status						
U Pi ≣ P	rollie Order ID roduct	04	46					
<b>≜</b> 0	Customer Nam	e Am	neerul Bin Hasl	him				
🚍 C	omplaint Address	Let	t 453 Kamoung	Marhum 65200 Pekan Pat	nang Malaysia			
	Payment Metho	od onl	ilne banking					
⊛ to	og Out Bank	CIA	MB					
	Receipt Image							
	Receipt Refere	ince #55	99900 <mark>0</mark> 244455					
_	Payment Date	& Time 202	23-06-22 13 20	00				
	Product Name	& Quantity			Total Price	Shipping Method		
	Sacha Inchi (1)	, Teh Jintan Hitam (1) , Neuro U	Jp Tablet (1)		260.00	J&T Express		
	Seller ID			1				
	Payment Statu	5	33	Approved				
	Deliver Status			OPacking Deliver				
	Tracking Numb	ser		N.2900098558				
				SAVE CANCEL				

Figure 4.37 Update Delivery Status Page for Warehouse staff.

#### 4.2.2.7 Manage Complaint

Manage Complaint module allowed the seller to make a complaint of the orders that the seller have made for their customers. The seller needs to choose the existing orders that have been made and fill the complaint form. Figure 4.38 below shows the complaint form of orders for seller.

SuperProPOS	ORDER NOW		ar
Dashboard	$\equiv$ Dashboard		Lia Yasmen Binti Ahmad
Profile			Seller 11
Product	Add New Complaint		
🚔 Order	Choose Order ID	038	~
🍐 Customer	Problem	Otters	-
E Complaint	Details of Problem	Customer complaint for late delivery	
Sales Report			
	Image	Choose File late proj	
Log Out		SUBMIT GANCEL	

Figure 4.38 Add Complaint Form Page for Seller.

The admin and warehouse staff then can update the status of the complaint of the orders as shown in figure 4.39 and figure 4.40 below.

SuperProPOS	$\equiv$ Dashboard		Zoid lin Ahmed Adment
🙃 Dashboard	Update Complaint Status		
Prolite	Complaint ID	C34	
😁 Employee	Order ID	039	
Product	Problem	missing	
🛆 Order	Details of Problem	So late	
Customer	Image	and a second sec	
Complaint	Date	2023-06-22 08:38:03	
Sales Report	Status	O Under Review * Solved	
€ Log Out	Solution Explaination	Counter will send back	]
		IME CMCEL	

Figure 4.39 Update Complaint Status Page for Admin.

SuperProPOS	≡ Dashboard		Mahammad Ausi Bio Apri Womtoure 4
2 Dushboard			
• Profile	Opdate Complaint Status		
E Product	Complaint ID	CP34	
🚔 Order	Order ID	039	
📼 Complaint	Problem Datality of Broblem	mitting So inte	
	Image	OU rent	
😥 Log Out			
	Date	2023 05 22 06.38.03	
	Status	O Under Review	
	Solution Explaination	Counier will send back	
		SWL CWCL	

Figure 4.40 Update Complaint Status Page for Warehouse staff.

Then the marketer can view the complaint that have been made by their seller. Figure 4.41 below shows the list of complaint made by the marketer's seller.



Figure 4.41 List of Seller Complaint Page for Marketer

#### 4.2.2.8 Generate Report

Generate Report module allowed the system to generate the sales report of orders for admin, seller and marketer The admin is able to view the overall orders sales by daily, monthly and yearly sales. While the seller is able to view their sales individually by daily, monthly and yearly. Marketer also can view their assign seller sales report by daily, monthly and yearly. Figure 4.42 until figure 4.45 below shows the generate report module details.



Figure 4.42 Daily Sales Report Page for Admin.

SuperProPOS		ORDER NOW				art
Deshippend		$\equiv$ Dashboard			9	Sill Abyen Seller 1
O Profile				Daily Monthly Yeary		
i Product	i Product			List Grach		
🏛 Order		Monthly Sales Report				
🛔 Customer		Month	Total Orders	Total Sales		
Complaint Complaint		Neg	1	228,00		
Sales Report		June	a	1012.00		
6+ Log Out				2 Ned.		
-						
2	SuperPr	roPOS	ORDER NOW		cart	
	🚯 Dashl	board	$\equiv$ Dashbo	ard	Siti Alsyah Seller 1	
	\rm erofil	e		Daily Monthly Yearly	,	
	🔳 Produ	uct		List Graph		
	📤 Orde	r				
	占 Custo	mer	Monthly Sale	s Graph		
	🔳 Comp	plaint	1,200	TOTAL SALES		
	📑 Sales	Report	800			
			400			
	🕩 Log C	Dut	0	May June	•	
						4

Figure 4.43 Monthly Sales Report for Seller.

SuperProPOS	$\equiv$ Dash	board					Hakimi Bin Hakim Marketer 5
<ul> <li>Bashboard</li> <li>Profile</li> </ul>	List Order	s of Seller	Sea	irch seller	٩		
😤 Employee	Seller ID	Seller Name	Today	This Month	This Year	Report Detail	
Product	S1	Siti Aisyah Binti Ahmad	0	0	11	DAILY MONTHLY YEARLY	
🚔 Order	\$3	Aminah Binti Hairi	0	0	0	DAILY MONTHLY YEARLY	_
<ul> <li>Customer</li> <li>Complaint</li> </ul>	S4	Abu Bakar Bin Ali	0	0	3	DAILY MONTHLY YEARLY	-
🗃 Sales Report	S18	Aiman Naim Bin Azhan	0	0	0	DAILY MONTHLY YEARLY	
🗭 Log Out							

Figure 4.44 List of Marketer's Seller Sales Page for Marketer.



Figure 4.45 Marketer's Seller Daily Sales Report Page for Marketer.

#### 4.3 System Testing

The SuperProPOS: Product Ordering System testing was conducted at Promaxx Marketing, a business company. User Acceptance Testing Forms were distributed to four users with different roles: Admin, Seller, Marketer, and Warehouse Staff. These forms were crucial for gathering valuable feedback regarding the SuperProPOS: Product Ordering System.

User Acceptance Testing (UAT) was employed to thoroughly assess every function within the SuperProPOS: Product Ordering System. It involved distributing the UAT forms to potential users of the system. The outcomes of the UAT indicated that all tested functions have successfully passed. The detailed results of these UAT can be found in Appendix C.

The formal approval of the User Acceptance Testing by the Client, as documented in Appendix C, reaffirmed that the SuperProPOS: Product Ordering System successfully meets the requirements and expectations of its users. The positive feedback received from the UAT further validates the system's efficiency and effectiveness in seamlessly facilitating business operations at Promaxx Marketing.

#### 4.4 Result Discussion

The SuperProPOS: Product Ordering System is expected to be completed before the due of the deadline. The result from the developing the system following the objectives that have been mentioned before, all of the objectives successfully achieved. It is measure by the User Acceptance Testing result given by the client as mentioned in Appendix C.

As stated in the first objective above which is to study the current method of ordering product in an improvised system. All the findings are gathered and resulting to develop the SuperProPOS: Product Ordering System as result of an improvised system.

The second objective was met which the development of SuperProPOS: Product Ordering System was done. Eight modules were developed which are login, register employee, manage user profile, manage product, manage customer, manage order, manage complaint and generate report. Figure 4.46 until figure 4.57 below are some the results of the development for SuperProPOS: Product Ordering System.

SuperProPOS	$\equiv$ Dashboard		Al Al
🏟 Dashboard	Register New Seller		
😁 Employee	Marketer	545 v	
Product	Name	ardia semployou come	
Conder	Phone Number	plana number 64, max length is 19 character	
Customer	Email	enter employee ernal address	
≣ Sales Report	Password		
		SURMIT CANOPI	
	·		

Figure 4.46 Register New Seller Page for Admin

SuperProPOS	≡ Dashb	oard					
Dashboard				Seller Markets	r Warehouse		
😁 Employee	Register New Seller						
Product	List of Es	ndauna (Sallar)					
🛆 Order	List of Li	(sea	ich seller			Search	
Customer	Seller ID	Soller Name	Phone	Enol	Password	Marketer ID	Action
Complaint	811	Lia Yastreo Ritti Ahmari	0105304570	larasmet (hamal com	0100304070	M17	11500
Sales Report							
	87	Hane Onli Hare	0195007858	Formis (Sigmail.com	01069787899	M15	UPDATE DELETE
Log Out	35	Aligan Binii Abu	0199944222	alicali@gnal.com	0156914222	85	UPDATE CELETE
	65	Sheemani <del>n</del> Binti Kamal	0123513144	shazwariw@gmail.com	0122513444	м15	UPONTE CELETE
				1 2 Nest			

Figure 4.47 List of Seller Page for Admin

SuperProPOS	$\equiv$ Dashboard		Al Anne
Dashboard	Add New Product		
😤 Employee	Product Name		1
Product	Information		
🛆 Order	Prine		
Customer			
Complaint	weight		
Sales Report	Image	Choose Fire No Vie chosen	
	Category	OBeauty O Health O Others	
		SUBRIT CANCEL	

# Figure 4.48 Add New Product Page for Admin

SuperProPOS	ORDER NOW						
Dashboard	$\equiv$ Dashboard						
😑 Profile							
Product	Cart Detail						
🚔 Order				honning C			
Lustomer			3	nopping Ca	art		
Complaint	Preduct		Price	Quarity		Total	Action
Sales Report		Stocet G	RM 76.00	1	update.	RM 76	C HERRY
	continue shapping	Grand total				RM 78	E Dolcte at
🕒 Log Out							and the street to a
							proceederation

# Figure 4.49 Cart Pages for Seller

iuperProPOS	OILDER NOW				
a Dishbourd	$\equiv$ Dashboard				🔒 terter
9 Profile					Stict
E Froduct		Com	plete 1	four Order	
Order					
Customer		Stated G(2)			
California		Grand Total: RM 76			
Complaint Complaint		Customer Name		Proce Number	
Sales Report		And all on This Adv. Bollow		0121535000	
		Reymont Method		Bank	
		Tring Balling	v	1010 Date	
<ul> <li>Log Out</li> </ul>		Decel of Longer		Receipt Rot, Number	
		Cranchie Incodure		(K-1122)19724	
		Date of Bayment		Taxe of Payment	
		14/14/14/1		10.35 er @	
		100001000		and the local	
		Address line 1		Address line 2	
		ken i		TABLE ADDRESS OF W	
		Uty .		State	
		Stor Bergin		Scala	
		Country		Postce do	
		Margan		4200	
		Shipping Method			
		.RTF25WK	۳,		
			ada	nw .	

# Figure 4.50 Check Out Order Form Page for Seller

SuperProPOS	∃ Dash	board								8 Al
a Dashboard	List of C	Inder								
😁 Employee			dea	rsh order			Se	arch		
Product	Order ID	Customer Name	Phone Number	Date	Products	Total Price	Payment Status	Deliver Status	Seller	Action
â Order	037	Dina Birti Nadzir	0132233133	2023- 08-01	Sweet G (1)	76.00	Approved	Delver	Sharitsh Birti Al(SZ)	UPDATE
Customer	036	Adwa	0190001100	2023- 05-07	Sweet G (4) , Sacha Inchi (1) , Joint Care (1)	344.00	Approved	Pending	Sill Abyoh(S1)	UPDATE
Sales Report	034	Afah Bisi Kviza	01322331	2023- 08-03	Swort G (4) , Sacha Inchi (1) , Joint Care (1)	344.00	Submitted	Pending	SH Abyah(B1)	UNAD
	032	Alla Maisarah Binti Kamarul	0190001100	2023- 08-07	Senst C (4) , Sacha Inchi (1) , Jaint Care (1)	344,00	Submitted	Pending	Sili Airyeh(S1)	UPDATE
Log Out	030	Asiam Bin Ahmad	0177880899	2023- 08-03	Sweet G (4) , Sacha Inshi (1)	324.00	Approved	Deter	Sill Alsyab(S1)	UPDATE
					1 2 3	Not				

Figure 4.51 List Order Page for Admin

									- Without
Product	List of O	rder	Search	order			Search		
l Complaint	Order ID	Customer Name	Phone Number	Date	Products	Total Price	Payment Status	Delivery Status	Action
	038	Abdullah Bin Abu Baker	0124529078	2023-06- 10	Sweet G (1)	76.00	Submitted	Deliver	UPDATE
	037	Dina Binti Nadzir	0132233133	2023-06- 01	Sweet G (1)	76.00	Approved	Deliver	UPDATE
	034	Afiah Binti Khira	01322331	2023-06- 03	Sweet G (4) , Sacha Inchi (1) . Joini Care (1)	344.00	Submitted	Pending	HPDATE
	032	Alia Maisarah Binti Kamarul	0190001100	2023-06- 07	Sweet G (4) , Sacha Inchi (1) , Joint Caro (1)	344.00	Submitted	Pending	UPDATE
	030	Asiam Bin Ahmad	0177888899	2023-06- 03	Sweet G (4) , Sacha Inchi (1)	324.00	Approved	Deliver	UPDATE
					1 2 3 Next				

Figure 4.52 List Order Page for Warehouse staff

<ul> <li>Dashboard</li> <li>Profile</li> </ul>	$\equiv$ Dashboard		
\varTheta Profile			Lia Yasmen Binti Ahmad
			Seller 11
i≣ Product	Add New Complaint		
🚔 Order	Choose Order ID	038	
🔺 Customer	Problem	Others	
Complaint	Details of Problem	Customer complaint for late delivery	
Sales Report			
	Image	Choose File late pro	
C+ Log Out		SUBMIT CANCEL	

# Figure 4.53 Add Complaint Form Page for Seller

SuperProPOS	$\equiv$ Dashboard						WI Watehouse
Dashboard     Product	List of Complaint		Search comp	laint	Sec	arch	
<ul> <li>Order</li> <li>Complaint</li> </ul>	Complaint ID	Order ID	Problem	Date	Image	Status	Action
🚱 Log Out	CP23	038	others	2023-06-11 08:22:29	Angeles and with the analysis of gamma factor and the system of the syst	Submitted	UPDATE
	CP22	037	missing	2023-06-10 07:58:47	Note and top reach the second	Submitted	UPDATE
	CP18	026	others	2023-06-06 12:18:17		Under Review	UPDATE
	CP17	O25	broken	2023-06-06 10:27:27	(	Solved	UPDATE

Figure 4.54 List Complaint Page for Warehouse staff

SuperProPOS	$\equiv$ Dashb	oard						Saharuddin Bin Vhmad Verketer 5
න Dashboard 🚰 Employee	List Orders o	of Seller	Search seller			Search		
Product Order	Seller ID	Seller Name	Today	This Month	This Year	Report Detail	_	
<ul> <li>Customer</li> <li>Complaint</li> </ul>	S1 S3	Siti Aisyah Aminah Binti Hairi	0	3	4	DWLY MONTHLY YEARLY DWLY MONTHLY YEARLY	_	
n Sales Report	S4	Abu Bakar Bin Ali	0	4	5	DAILY MONTHLY YEARLY		
🕩 Log Out	S6	Afiqah Binti Abu	0	0	0	DWLY MONTHLY YEARLY		

Figure 4.55 List Seller's Sales Report Page for Marketer

SuperProPOS	$\equiv$ Dashboard			A1 Admin
🚯 Dashboard		Daily N	Ionthly Yearly	
😁 Employee			Graph	
E Product	Daily Sales Report			
🚊 Order	Day	Total Orders	Total Sales	
🐣 Customer	2023-06-08	1	20.00	
📼 Complaint	2023-06-07	2	688.00	
Sales Report	2023-06-03	4	016.00	
	2023-06-02	2	324.00	
🕩 Log Out	2023-06-01	1	76.00	
	2023-05-27	1	228.00	
	2023-05-25	1	76.00	
		1 2 5	lext	

Figure 4.56 Daily Report Sales Page for Admin

SuperProPOS	≡ Dashboard
Dashboard	Daily Monthly Yearly
😁 Employee	List Graph
I Product	Daily Salar Granh
🛍 Order	Total Sales
🔒 Customer	1,000
🔲 Complaint	800
Sales Report	500
🕒 Log Out	
	2023-06-08 2023-06-07 2023-06-03 2023-06-02 2023-06-04 2023-05-27 2023-06-26

Figure 4.57 Daily Report Sales Graph Page for Admin

The completion of development for SuperProPOS: Product Ordering System project has been evaluated by the client company which is Promaxx Marketing. This evaluation has met the third objective of this project. The evaluation had been done by using a formal User Acceptance Testing form that had been approved by the Owner of Promaxx Marketing business company. The formal result of User Acceptance Testing form by the client can be found in Appendix C.

#### **CHAPTER 5**

#### CONCLUSION

#### 5.1 INTRODUCTION

This chapter provides a summary of the SuperProPOS: Product Ordering System project, specifically focusing on the development process of a product ordering system suitable for e-commerce businesses. It presents an overview of the achieved objectives and the implemented solutions for previously identified problems. In the context of ecommerce companies, having an efficient and effective product ordering system is crucial for smooth business management. This system encompasses various functions such as login, register employee, manage user profile, manage product detail, manage order, manage customer, manage complaint and generate report.

To develop this system, Visual Studio Code and XAMPP Control Panel were utilized as software tools, while the programming languages employed were HTML, PHP, CSS, and JavaScript. The Waterfall Methodology was employed to ensure effective project timeline management. The system's effectiveness and functionality were thoroughly tested and evaluated by employees of Promaxx Marketing Company. The evaluation process resulted in positive feedback from the employees, affirming that the system successfully achieved its objectives. Additionally, it should be noted that the system was successfully deployed on the FK INDAH server and can be found in this link: https://indah.ump.edu.my/CB20009/superproposnew/ApplicationLayer/indexMain.php.

#### 5.2 System Constraint

The constraint that happened in the developing of the project are:

• Time limitation

The time given was limited so it requires an effective time management, prioritization of tasks and efficient allocation of resources to ensure the system is developed and deployed within the specified timeframe in order to finish7 module of the SuperProPOS: Product Ordering System.

• Code Error

Coding is important in developing the system. Some error had occurred during the scripting of the code. The error has caused the system to display unexpected output and not functioning well. When the error happened, a guidance from an expert was needed in order to solve the problem.

#### 5.3 Future Work

The future work of the SuperProPOS: Product Ordering System can be enhanced for e-commerce business company.

- Developer can make an additional modules and content, such as manage commission of seller.
- Developer may make some changes on manage order modules that allow the module to also been used by customer to make an order.
- Developer may add print sales report function in the system.

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**APPENDICES** 

Appendix A: Software Requirement Specification (SRS) of SuperProPOS: Product Ordering System



# SUPERPROPOS: PRODUCT ORDERING SYSTEM

Faculty of Computing

# Software Requirement Specification (SRS)

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#### **1.0 PRODUCT DESCRIPTION**

SuperProPOS: Product Ordering System is a system that help a business company to manage their ordering products information and operation. The system's end-user are admin, seller, marketer and warehouse staff.

#### **1.1 User Characteristics**

User	Education level	Background experience
Admin	Bachelor's degree	Must have a high level of experience in using IT Technology.
Seller	Diploma	Must have a medium level of experience in using IT Technology.
Marketer	Diploma	Must have a medium level of experience in using IT Technology.
Warehouse staff	Diploma	Must have a medium level of experience in using IT Technology.

Table 1: User C	Characteristics
-----------------	-----------------

#### **1.2** Constraints

- The admin, marketer, seller and warehouse staff must login to the system in order to get an access to the system's functions.
- The system should be available for 24 hours of all time.
- The system should allow only one email address for each user to register in the system.
- The system must have internet connection to allow the system to functioning well.
- The system should have continuous integration to deploy features and fix bugs without downtime.
- The system interface should be user friendly and free or error.
- The system should be accessible for all type of web browser.

### 2.0 INTERFACE REQUIREMENTS

This topic discusses about the detailed description of all inputs and outputs of the SuperProPOS: Product Ordering System.

\_\_\_\_\_

#### 2.1 User Interface

User Interface Name	Description
Login interface	Admin, Seller, Marketer and warehouse staff shall insert email and password to login.
Homepage	System displays the homepage once Admin, Seller, Marketer and Warehouse staff success to login to system.
Register Employee	Admin should be able to register seller, marketer and warehouse staff to the system.
Manage User Profile	Seller, Marketer and Warehouse staff should be able to update their profile. Admin and marketer shall be able to view sellers list. Admin also should be able to view marketer and warehouse staff list.
Manage Product Detail	Admin should be able to add, update and delete product list. Warehouse staff should be able to update the product stock quantity. Seller and Marketer should be able to view the products.

Manage Order	Seller should be able to add and edit order. Admin and Warehouse staff shall be able to update the status of order. Marketer is able to view the order list of assigned seller.
Manage Complaint	Seller shall be able to make complaint and edit complaint. Admin and Warehouse staff shall be able to update the complaint status. Marketer is able to view the complaint.
Generate Report	The systems generated report should display the sales report.

#### 2.2 Hardware Interface

#### Hardware:

Asus Laptop = Windows 11, Intel i7, 16GB of RAM Purpose = As a tool for the documentation of the SuperProPOS: Product Ordering System.

#### 2.3 Software Interface

The system is developed using the PHP, CSS and JavaScript. The platform that is used to run the code is VS Code. While the platform to connect the database is PhpMyAdmin and XAMPP. Draw.io also used for designing the diagram for each document. Microsoft Word is used as a tool for writing the document.

# **3.0 SOFTWARE PRODUCT FEATURES**

# 3.1 Login



Figure 1: Login

T 1 1 A	<b>T</b> T	~	D .	• .•	0	<b>.</b> .
Table 2	Ise	( 'ase	Descri	infion	tor	1.001n
1 4010 2.	050	Cube	DUSUI	puon	101	LUGIII

Use Case ID	POS-UC001	
Use Case Name	Login	
Brief	This use case is initiates by admin, seller, marketer and warehouse staff.	
Description	It allowed the admin, seller, marketer and warehouse staff to login into	
	the SuperProPOS: Product Ordering System to access the functionality of	
	the system.	
Actor	Admin, Seller, Marketer and Warehouse staff	
Pre-Condition	• The admin, seller, marketer and warehouse staff already have a registered account in the system.	
	• The admin, seller, marketer and warehouse staff must have internet connection.	
Basic Flow	<ol> <li>The use case starts when the admin, seller, marketer and warehouse staff go to the login menu.</li> <li>The system displays the login page.</li> </ol>	
	3.	The admin, seller, marketer and warehouse staff insert their email and password
--------------------------------	--	---
		eman and password.
	4.	The admin, seller, marketer and warehouse staff click
		< <login>&gt; button.</login>
	5.	The system validates the email and password information. [E1:
		Invalid Email or Password]
	6.	The admin, seller, marketer and warehouse staff successfully
		login to system.
	7.	The system displayed the homepage screen.
	8.	The use case end.
Alternative Flow	No	ne
Exception Flow		[E1: Invalid Email or Password]
Exception Flow	1.	[E1: Invalid Email or Password] Admin, seller, marketer and warehouse staff insert invalid
Exception Flow	1.	[E1: Invalid Email or Password] Admin, seller, marketer and warehouse staff insert invalid email or username.
Exception Flow	1.	[E1: Invalid Email or Password] Admin, seller, marketer and warehouse staff insert invalid email or username.
Exception Flow	1. 2.	[E1: Invalid Email or Password] Admin, seller, marketer and warehouse staff insert invalid email or username. Admin, seller, marketer and warehouse staff click < <i ogin="">&gt; button</i>
Exception Flow	1. 2.	[E1: Invalid Email or Password] Admin, seller, marketer and warehouse staff insert invalid email or username. Admin, seller, marketer and warehouse staff click << <login>&gt; button.</login>
Exception Flow	1. 2. 3.	[E1: Invalid Email or Password] Admin, seller, marketer and warehouse staff insert invalid email or username. Admin, seller, marketer and warehouse staff click < <login>&gt; button. The system display error message.</login>
Exception Flow	1. 2. 3. 4.	[E1: Invalid Email or Password] Admin, seller, marketer and warehouse staff insert invalid email or username. Admin, seller, marketer and warehouse staff click < <login>&gt; button. The system display error message. The use case continues with step 2 from basic flow.</login>
Exception Flow	1. 2. 3. 4.	[E1: Invalid Email or Password] Admin, seller, marketer and warehouse staff insert invalid email or username. Admin, seller, marketer and warehouse staff click < <login>&gt; button. The system display error message. The use case continues with step 2 from basic flow.</login>
Exception Flow Post Conditions	1. 2. 3. 4. The admir	[E1: Invalid Email or Password] Admin, seller, marketer and warehouse staff insert invalid email or username. Admin, seller, marketer and warehouse staff click < <login>&gt; button. The system display error message. The use case continues with step 2 from basic flow. h, seller, marketer and warehouse staff are able to access to the</login>
Exception Flow Post Conditions	1. 2. 3. 4. The admir SuperProF	[E1: Invalid Email or Password] Admin, seller, marketer and warehouse staff insert invalid email or username. Admin, seller, marketer and warehouse staff click < <login>&gt; button. The system display error message. The use case continues with step 2 from basic flow. n, seller, marketer and warehouse staff are able to access to the POS: Product Ordering System.</login>
Exception Flow	1. 2. 3. 4. The admir SuperProF None	[E1: Invalid Email or Password] Admin, seller, marketer and warehouse staff insert invalid email or username. Admin, seller, marketer and warehouse staff click < <login>&gt; button. The system display error message. The use case continues with step 2 from basic flow. h, seller, marketer and warehouse staff are able to access to the POS: Product Ordering System.</login>

# 3.2 Register Employee



Figure 2: Register Employee

Table 3. Lice	Case Descri	ntion for I	Register	Employee
	Case Deseri	puon ioi i	itegister .	Linployee

Use Case ID	POS-UC002				
Use Case Name	Register Employee				
Brief Description	This use case is initiates by admin. It allowed the admin to register				
	employees which are seller, marketer and warehouse staff into the				
	SuperProPOS: Product Ordering System.				
Actor	Admin, Seller, Marketer and Warehouse				
Pre-Condition	• The admin already has a registered account in the system.				
	• The admin already login to the system.				
	• The admin must have internet connection.				
Basic Flow	1. The use case starts when the admin goes to employee				
	menu page.				
	2. The system displays the employee list page by category seller, marketer and warehouse staff,				
	<ol> <li>The admin chooses Register New Seller, Register New Marketer and Register New Warehouse staff.</li> </ol>				
	4. The system then displays the registration form page.				

	5. The admin inserts employee information in the						
	registration form. [E1: Email already existed]						
	6. The admin clicks < <submi1>&gt; button.</submi1>						
	7. The system validates the employee information.						
	8. The system displays the employees list information fro						
	the database.						
	9. The admin is able to view the list of employee list by						
	clicking on the Employee List menu and choose menus of						
	seller list, marketer list and warehouse staff list.						
	10. The seller, marketer and warehouse are able to view the						
	registered profile account after login to the system.						
	11. The use case ends.						
Alternative Flow	None						
Exception Flow	E1: Email Already Existed						
	1. The admin inserts a new email for registration.						
	2. The system checks the non-existence of similar email.						
	3. The use case continues to step 6 in basic flow.						
Post Conditions	The seller, marketer and warehouse staff are able to login and						
	access to the SuperProPOS: Product Ordering System.						
Rules	None						
Constraints	None						

#### SuperProPOS: Product Ordering System



# 3.3 Manage User Profile



Figure 3: Manage User Profile

Use Case ID	POS-UC003					
Use Case Name	Manage User Profile					
Brief Description	This use case is initiates by seller, admin, marketer warehouse					
	staff and user. It allowed the admin, seller, marketer and					
	warehouse staff to update their profile detail.					
	The admin also can update and delete seller. marketer and					
	warehouse staff detail from the database.					
	The marketer can view all their assigned seller detail made by the					
	admin.					
Actor	Seller, Admin, Marketer and Warehouse staff.					
Pre-Condition	• The seller, admin, warehouse staff and marketer already					
	have a registered account in the system.					
	• The seller, warehouse staff, admin and marketer alr					
	login to the system.					
	• The seller, warehouse staff, admin, marketer and user					
	must have internet connection.					
Basic Flow	1. The use case starts when the seller, warehouse staff,					
	marketer and admin go to update profile detail page.					
	2. The system displays the user profile detail.					
	3. The admin, seller, marketer and warehouse staff update					
	their own name, phone number and password details in					
	the system.					
	4. While the admin is able to:					
	<b>a.</b> Update the name, phone number, marketer ID and password of seller, marketer and					

Table 4: Use Case Description for Manage User Profile

		warehouse staff profile detail [A1 Undate
		watchouse start prome detail. [A1. Opdate
		Employee Profile].
		<ul> <li>b. Delete seller, marketer and warehouse staff</li> <li>profile detail [A2: Delete Employee Profile]</li> </ul>
	5.	The seller, warehouse staff, marketer and admin click <> button.
	6.	The system validates the user's profile information.
	7.	The system displays successful message to the seller, marketer, warehouse staff and admin.
	8.	The system list all the employees profile details from the database.
	9.	The marketer and admin are able to view the updated sellers profile details by click on the Seller List menu.
	10.	The admin able to view the updated marketer profile details by click on the Marketer List menu.
	11.	The admin able to view the updated warehouse staff profile details by click on the Warehouse staff List menu.
	12.	The use case ends.
Alternative Flow	<b>A1: U</b>	pdate Employee Profile
	1.	The admin chooses the employee profile detail that he/she already done it before this.

	2.	The admin clicks <> button.
	3.	The admin updates the employee profile detail that he/she key-in before this.
	4.	The use case continues to step 5 in basic flow.
	A2: D	elete Employee Profile
	1.	The admin chooses the employee that he/she already
		done it before this.
	2.	The admin clicks < <delete>&gt; button.</delete>
	3.	The use case continues to step 5 in basic flow.
Exception Flow	None	
Post Conditions	The list o	of employee profile detail is successfully updated.
Rules	None	
Constraints	None	

# **3.4 Manage Product Detail**



Figure 6: Use Case Manage Product Detail

Table 5: U	Jse Case D	escription for	r Manage I	Product Detail

Use Case ID	POS-UC004					
Use Case Name	Manage Product Detail					
Brief Description	This use case is initiates by admin, seller, marketer warehouse					
	staff and user. It allowed the admin to add a product by					
	categories. The admin also can update and delete the product					
	information.					
	The warehouse staff can update the quantity and status of					
	product stock in the product information.					
	The marketer and seller can view all the products information					
	from the database.					
Actor	Admin, Warehouse staff, Seller and Marketer.					
Pre-Condition	• The admin, warehouse staff, seller and marketer already					
	have a registered account in the system.					
	• The admin, warehouse staff, seller and marketer already					
	login to the system.					
	• The admin, warehouse staff, seller, user and marketer					
	must have internet connection.					
Basic Flow	1. The use case starts when the admin goes to product list					
	menu page.					

2. The system displays the product list detail.
3. The admin is able to:
<ul> <li>a. Add new product by name, information, price, weight, image, document and category to system [A1: Add Product]</li> </ul>
b. Delete product from the system [A2: Delete Product].
<ul> <li>c. Update product's name, information, price, weight, image, document and category in the system [A3: Update Product]</li> </ul>
4. The admin clicks < <save>&gt; button.</save>
5. The system validates the products information.
6. The warehouse staff is able to update the quantity and status of product stocks in the database.
7. The system validates the products information.
8. The system displays successful message to the warehouse staff and admin.
9. The seller and marketer are able to view the updated products details by click on the Product menu.
10. The system list all the products details from the database.
11. The use case ends.

Alternative Flow	A1: Add Product
	1. The admin goes to add new product menu.
	2. The admin inserts the new product by name, information, price, weight, image, document and category to system.
	3. The admin clicks < <submit>&gt; button.</submit>
	4. The use case continues to step 4 in basic flow.
	A2: Delete Product
	<ol> <li>The admin chooses the product that he/she already done it before this.</li> </ol>
	2. The admin clicks < <delete>&gt; button.</delete>
	3. The use case continues to step 4 in basic flow.
	A3: Update Product
	<ol> <li>The admin chooses the product detail that he/she already done it before this.</li> </ol>
	2. The admin clicks < <update>&gt; button.</update>
	<ol> <li>The admin updates the product detail that he/she key-in before this.</li> </ol>
	4. The use case continues to step 4 in basic flow.
Exception Flow	None
Post Conditions	The list of products is successfully updated.
Rules	None
Constraints	None

# SuperProPOS: Product Ordering System



# 3.5 Manage Order



Figure 5: Manage Order

Table 6 <sup>.</sup>	Use	Case	Descrip	ntion	for	Manage	Order
	030	Case	Deseri	puon	101	Manage	oruer

Use Case ID	POS-UC005
Use Case Name	Manage Order
Brief Description	This use case is initiates by seller, admin, marketer and
	warehouse staff. It allowed the seller to make and order for the
	product. The seller also can edit the order information.
	The admin can view and update the order payment status from
	the order list.
	The warehouse staff can view and update the order status and
	tracking number after the payment has been approved by admin
	from the order list.
	The marketer can view all the order list information from their
	assigned seller from the database.
Actor	Admin, Warehouse staff, Seller and Marketer.
Pre-Condition	• The admin, warehouse staff, seller and marketer already
	have a registered account in the system.
	• The admin, warehouse staff, seller and marketer already
	login to the system.

	• The admin, warehouse staff, seller and marketer must
	have internet connection.
Basic Flow	<ol> <li>The use case starts when the seller goes to Order Now menu page.</li> </ol>
	2. The system displays the products to be ordered by seller.
	<ol> <li>The seller clicks &lt;<add cart="" to="">&gt; button on the product.</add></li> </ol>
	4. The system submits the product to the cart.
	<ol> <li>The seller clicks the &lt;<cart>&gt; button to go to the cart page.</cart></li> </ol>
	<ol> <li>The system displays the chosen products details and its total price and payment that need to be made.</li> </ol>
	7. The seller is able to
	a. Update quantity of products in cart. [A1: Update Cart]
	b. Delete the selected product from cart. [A2: Delete Cart]
	<ol> <li>The seller then clicks on the &lt;&lt; Proceed to Check Out&gt;&gt; button.</li> </ol>
	9. The system displays the total price, total products and order form.
	10. The seller is able to:

	a. Add order details choose existing customer
	details, payment method and upload the receipt
	image to the system [A3: Add Order]
	b. Update order details in the system. [A4: Edit Order]
	11. The seller clicks < <submit>&gt; button.</submit>
	12. The system validates the order information.
	13. The system displays successful message to the seller.
	14. The admin is able to update the status of order payment in the database.
	15. The warehouse staff is able to update the delivery status and tracking number of order after admin approved the payment in the database.
	16. The seller, marketer, warehouse staff and admin are able to view the updated order details by click on the Order List menu.
	17. The system list all the order details from the database.
	18. The use case ends.
Alternative Flow	A1: Update Cart
	1. The seller inserts the quantity of selected products.
	2. The seller clicks the < <update>&gt; button.</update>
	3. The use case continues to use case 8 in basic flow.

A2: Dele	ete Cart
----------	----------

1.	The seller chooses the existing products in cart.
2.	The seller clicks < <delete>&gt; button.</delete>
3.	The use case continues to use case 8 in basic flow.
	A3: Add Order
1.	The seller chooses the existing customer from the list. [A3.1 Add New Customer]
2.	The seller inserts the payment method and upload the receipt image to the system.
3.	The seller clicks < <submit>&gt; button.</submit>
4.	The use case continues to step 11 in basic flow.
	A4: Edit Order
1.	The seller chooses the order detail that he/she already done it before this.
2.	The seller clicks < <edit>&gt; button.</edit>
3.	The seller edits the order's payment receipt image that he/she key-in before this.
4.	The use case continues to step 11 in basic flow.
	A3.1 Add New Customer
1.	The seller clicks on the <<+NEW CUSTOMER>> button.

	2. The seller inserts customer name, phone number and
	address to the system.
	3. The seller clicks < <submit>&gt; button.</submit>
	4 The use case continues to step 1 in alternative flow A3
	r in the second s
Exception Flow	None
Post Conditions	The list of order is successfully updated.
Rules	None
Constraints	None
Sequence Diagram	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	ManagaChter AddState UpdariOtter OnterSetuter Onterinte
	Addre choose Shop menu (Selete, Admus) Atternative Flow : At <u>operShop()</u>
	add0rder(date,.limis.subject) POST()
	send_confirmation
	Attenuitve Flow : A3 geneticationder)
	estitude(ii) POST(ii) savorite() send_continuation estitude(iii)
	continuitation > saveCriency - continuitation > continuit
	admin, makele and subtrout of the subtrout of
	order_information_steplay order_information_steplay

# 3.6 Manage Complaint



Figure 6: Manage Complaint

T-1-1 - 7.	II C	<b>D</b>	f N /	C 1 - : 4
Table /	Use Case	Description	tor Manage	Complaint
14010 /.	Obe Cube	Desemption	101 manuge	Comptaint

Use Case ID	POS-UC006	
Use Case Name	Manage Complaint	
Brief Description	This use case is initiates by seller, admin, warehouse staff and	
	marketer. It allowed the seller to add a complaint for the order in	
	the system. The seller also can edit the complaint information.	
	The admin and warehouse staff can view and update the status of	
	complaint in the complaint information.	
	The marketer can view the complaint information of their	
	assigned seller from the database.	
Actor	Admin, Warehouse staff, Seller and Marketer.	
Pre-Condition	• The admin, warehouse staff, seller and marketer already	
	have a registered account in the system.	
	• The admin, warehouse staff, seller and marketer already	
	login to the system.	
	• The admin, warehouse staff, seller and marketer must	
	have internet connection.	
Basic Flow	1. The use case starts when the seller goes to complaint menu	
	page.	
	2. The system displays the complaint list detail.	

	3. The seller is able to:
	<ul> <li>a. Add new complaint by order id, problem, details of problem and image in the system. [A1: Add Complaint]</li> </ul>
	b. Edit the complaint problem, details of problem and image in the system [A2: Edit Complaint]
	4. The seller clicks < <save>&gt; button.</save>
	5. The system validates the complaint information.
	6. The system displays successful message to the seller.
	7. The admin and warehouse staff are able to update the status of complaint in the database.
	8. The marketer is able to view the complaint list made by their assigned sellers.
	9. The system list all the complaint details from the database.
	10. The use case ends.
Alternative Flow	A1: Add Complaint
	1. The seller goes to Add New Complaint menu.
	2. The seller inserts the order id, problem, details of problem and image in the system.
	3. The seller clicks < <submit>&gt; button.</submit>
	4. The use case continues to step 4 in basic flow.

	A2: Edit Complaint	
	<ol> <li>The seller chooses the complaint detail that he/she already done it before this.</li> </ol>	
	2. The seller clicks < <edit>&gt; button.</edit>	
	3. The seller edits the complaint detail that he/she key-in before this	
	4. The use case continues to step 4 in basic flow.	
Exception Flow	None	
Post Conditions	The list of complaints is successfully updated.	
Rules	None	
Constraints	None	
Sequence Diagram	Image: contraster       Compare test       Compare test       Compare test         Image: result       Addresses       Reserve test       Compare test       Compare test         Image: result       Addresses       Reserve test       Compare test       Compare test         Image: result       Addresses       Reserve test       Compare test       Compare test         Image: result       Addresses       Reserve test       Compare test       Compare test         Image: result       Addresses       Reserve test       Compare test       Compare test         Image: result       Addresses       Reserve test       Compare test       Compare test         Image: result       Send_contraster       POST(d)       Send_contraster       Send_contraster         Image: result       Contraster       Image: result       POST(d)       Send_contraster       Send_contraster         Image: result       Contraster       Image: result       Image: r	

# 3.7 Generate Report

Use Case ID	POS-UC007	
Use Case Name	Generate Report	
Brief Description	This use case describes the process of generating sales	
	reports for different user roles within the system.	
	Sellers, marketers, and admins have the ability to	
	view sales reports based on their specific access rights	
	and requirements.	
	The reports can be generated on a daily, monthly, or	
	yearly basis.	
Actor	Admin, Seller and Marketer.	
Pre-Condition	• The admin, seller and marketer already have a	
	registered account in the system.	
	• The admin, seller and marketer already login to	
	the system.	
	• The admin, seller and marketer must have	
	internet connection.	
	• Sales data must be available and up to date in	
	the system.	
Basic Flow	1. The use case starts when the seller, admin and	
	marketer go to Sales Report menu page.	
	2. The system presents options to generate sales reports by daily, monthly, or yearly intervals.	

 Table 8: Use Case Description for Generate Report

3. The seller is able to:
a. selects the desired time interval (daily,
monthly, or yearly).
b. The system retrieves the sales data for
the selected interval and generates a
sales report specific to the Seller's orders
within that interval.
c. The Seller views and analyses the
generated sales report.
<b>4</b> The marketer is able to:
4. The marketer is able to.
a. Choose to view their assigned seller
Sales Report by selects the desired time
interval (daily, monthly, or yearly).
b. The system retrieves the sales data for
the selected interval and generates a
sales report specific to the Marketer's
assigned Sellers' orders within that
interval.
c. The Marketer views and analyses the
generated sales report.
5 The admin is able to:
a. Selects the desired time interval (daily,
montniy, or yearly).

	b. The system retrieves the sales data for
	the selected interval and generates an
	overall sales report based on all Sellers'
	orders within that interval.
	c. The admin views and analyses the
	generated sales report.
	6. The use case ends.
Alternative Flow	None
Exception Flow	None
Post Conditions	The sales report is displayed to the respective user
Post Conditions	The sales report is displayed to the respective user (Seller, Marketer, or Admin) based on their access
Post Conditions	The sales report is displayed to the respective user (Seller, Marketer, or Admin) based on their access rights and specific requirements.
Post Conditions	The sales report is displayed to the respective user (Seller, Marketer, or Admin) based on their access rights and specific requirements. The user can analyse the sales report to gain insights
Post Conditions	The sales report is displayed to the respective user (Seller, Marketer, or Admin) based on their access rights and specific requirements. The user can analyse the sales report to gain insights into their sales performance within the selected time
Post Conditions	The sales report is displayed to the respective user (Seller, Marketer, or Admin) based on their access rights and specific requirements. The user can analyse the sales report to gain insights into their sales performance within the selected time interval.
Post Conditions Rules	The sales report is displayed to the respective user (Seller, Marketer, or Admin) based on their access rights and specific requirements. The user can analyse the sales report to gain insights into their sales performance within the selected time interval. None

## 4.0 REQUIREMENT TRACEABILITY

This section shall contain:

- a. Traceability from each software unit identified in this SRS of the system requirements allocated to it.
- b. Traceability from each system requirement for the software units to which it is allocated.

Table 4: Requirement Traceability
-----------------------------------

Requirement	Description
POS-UC001	Login
	Provide capability of users to login in the system
POS-UC002	Register Employee
	Provides the capability of admin to register seller,
	marketer and warehouse staff to system.
POS-UC003	Manage User Profile
	Provide the capability of seller, marketer warehouse
	staff and admin to update their profile. The marketer
	also can view the seller's profile. The admin can
	view, update and delete marketer, seller and
	warehouse staff profile.
POS-UC004	Manage Product Detail
	Provide the capability of admin to add and update the
	product detail. The warehouse staff also can update
	the product stock detail. The seller and marketer can
	view the product list.
POS-UC005	Manage Order

	Provide the capability of seller to add and edit the
	order detail. The warehouse staff and admin also can
	update the order status. The marketer can view the
	order list.
POS-UC006	Manage Complaint
	Provide the capability of seller to add and update the
	complaint detail. The warehouse staff and admin also
	can update the status complaint. The marketer can
	view the complaint list.
POS-UC007	Generate Report
	Provide the capability of admin, seller and marketer
	to view the sales report performance by daily,
	monthly and yearly in list and graph format.

# 5.0 SYSTEM REQUIREMENTS APPROVAL

	Name	Date
Verified by:	RINA BINTI ISHAK	15 FEBRUARY 2023
Rina		
Developer		
Approved by:	ZAID BIN ISHAK	15 FEBRUARY 2023
Zaid		
Client		

Appendix B: Software Design Document



# SUPERPROPOS: PRODUCT ORDERING SYSTEM

Faculty of Computing

# Software Design Document (SDD)

# **Table of Contents**

1.0	DATA DICTIONARY	1
2.0	PRELIMANARY DESIGN 2.1 System Architecture 2.1.1 Static Organization 2.1.2 Dynamic Organization	2
3.0	DETAILED DESIGN 3.1 Package Name	4
4.0	SYSTEM DESIGN APPROVAL	6

#### **1.0 DATA DICTIONARY**

Define set of tables that provides information about the database. The data dictionary example is shows in Table 1.1.

# Table 1.1: Data Dictionary for table SuperProPOS: Product Ordering System.

Field Name	Description	Data Type	Constraint
Admin_Id	Admin ID	INT (10)	РК
A_Name	Admin Name	VARCHAR (200)	
A_PhoneNum	Admin Phone	VARCHAR (11)	
	Number		
A_Email	Admin Email	VARCHAR (100)	
A_Password	Admin Password	VARCHAR (20)	

#### 1.1 admin

#### 1.2 seller

Field Name	Description	Data Type	Constraint
Seller_Id	Seller ID	INT (10)	РК
Marketer_Id	Marketer ID	INT (10)	FK
SName	Seller Name	VARCHAR (200)	
S_PhoneNumber	Seller Phone Number	VARCHAR (11)	
S_Email	Seller Email	VARCHAR (100)	

## 1.3 marketer

Field Name	Description	Data Type	Constraint
Marketer_Id	Marketer ID	INT (10)	РК
M_Name	Marketer Name	VARCHAR (200)	
M_PhoneNum	Marketer Phone	VARCHAR (11)	
	Number		
M_Email	Marketer Email	VARCHAR (100)	
M_Password	Marketer Password	VARCHAR (20)	

## 1.4 warehouse

Field Name	Description	Data Type	Constraint
Warehouse	Warehouse staff ID	INT (10)	РК
staff_Id			
WName	Warehouse staff Name	VARCHAR (200)	
W_PhoneNum	Warehouse staff Phone	VARCHAR (12)	
	Number		
W_Email	Warehouse staff Email	VARCHAR (100)	

## 1.5 customer

Field Name	Description	Data Type	Constraint
Customer_Id	Customer ID	INT (10)	PK
Seller_Id	Seller ID	INT (10)	FK
CName	Customer Name	VARCHAR (200)	
C_PhoneNum	Customer Phone Number	VARCHAR (11)	
C_Flat	Customer Flat Address	VARCHAR (255)	
C_Street	Customer Street Address	VARCHAR (255)	
C_City	Customer City Address	VARCHAR (255)	
C_State	Customer State Address	VARCHAR (255)	
C_Country	Customer Country	VARCHAR (255)	
	Address		
C_Postcode	Customer Postcode	VARCHAR (255)	
	Address		
C_Date	Customer Information	VARCHAR (10)	
	Date Inserted		

# 1.6 product

Field Name	Description	Data Type	Constraint
Product_Id	Product ID	INT (11)	РК
P_Name	Product Name	VARCHAR (200)	
P_Info	Product Info	VARCHAR (500)	
P_Price	Product Price	DECIMAL (7,2)	
P_Weight	Product Weight	FLOAT	
P_Image	Product Image	VARCHAR (500)	
P_Doc	Product Document	VARCHAR (500)	
P_Status	Product Status	VARCHAR (20)	
P_Category	Product Category	VARCHAR (20)	
P_Stock	Product Stock	INT (11)	

# 1.7 orders

Field Name	Description	Data Type	Constraint
Order_Id	Order ID	INT (255)	РК
Seller_Id	Seller ID	INT (12)	FK
C_Name	Customer Name	VARCHAR (255)	
C_PhoneNum	Customer Phone	VARCHAR (255)	
	Number		
O_PayMethod	Payment Method	VARCHAR (255)	
O_Bank	Bank Name	VARCHAR (255)	
O_RecImage	Receipt Image	VARCHAR (255)	
O_RefRec	Receipt Reference	VARCHAR (255)	
O_Date	Receipt Payment	DATE	
	Date		
O_Time	Receipt Payment	TIME	
	Time		
C_Flat	Customer Flat	VARCHAR (255)	
	Address		
C_Street	Customer Street	VARCHAR (255)	
	Address		
C_City	Customer City	VARCHAR (255)	
	Address		
C_State	Customer State	VARCHAR (255)	
	Address		
C_Country	Customer Country	VARCHAR (255)	
	Address		
C_Postcode	Customer Postcode	VARCHAR (255)	
	Address		
total_products	Total Product	VARCHAR (255)	
	Ordered		
total_price	Total Price Paid	DECIMAL (7,2)	
O_ShipMethod	Order Shipment	VARCHAR (255)	
	Method		

O_Status	Order Payment	VARCHAR (255)	
	Status		
O_DeliverStatus	Order Delivery	VARCHAR (255)	
	Status		
O_Tracking	Order Tracking	VARCHAR (255)	
	Number		

# 1.8 complaint

Field Name	Description	Data Type	Constraint
Complaint_Id	Complaint ID	VARCHAR (10)	РК
Order_Id	Order_ID	VARCHAR (10)	FK
Seller_Id	Seller ID	VARCHAR (10)	FK
Comp_Prob	Complaint Problem	VARCHAR (20)	
Comp_Info	Complaint Info	VARCHAR (200)	
Comp_Date	Complaint Date	DATE	
Comp_Image	Complaint Image	VARCHAR (500)	

# 1.9 cart

Field Name	Description	Data Type	Constraint
Cart_Id	Cart ID	INT (11)	РК
Seller_Id	Seller ID	INT (255)	FK
P_Name	Product Name	VARCHAR (255)	
P_Price	Product Price	DECIMAL (7,2)	
P_Image	Product Image	VARCHAR (255)	
P_Quantity	Product Quantity	VARCHAR (255)	

#### 2.0 PRELIMANARY DESIGN

#### 2.1 System Architecture

This paragraph identifies the internal organizational the SuperProPOS: Product Ordering System (POS). The relationship among system subsystem will be described.

#### 2.1.1 Static Organization

Figure 2.1 shows the static organization of SuperProPOS: Product Ordering System. It consists of:



Figure 2.1: Static Organization of SuperProPOS: Product Ordering Syste

This section describes the detail for each subsystem/package.

#### 1. ManageAdmin

This package is responsible to for all function for admin when interact with SuperProPOS: Product Ordering System. This package consists of the following classes or unit:

- a. addEmployeeMarketerAdmin Class
- b. addEmployeeSellerAdmin Class
- c. addEmployeeWarehouse staffAdmin Class
- d. addNewProductAdmin Class
- e. adminHome Class
- f. adminLogout Class
- g. listComplaintAdmin Class
- h. listCustomerAdmin Class
- i. listMarketerAdmin Class
- j. listOrderAdmin Class
- k. listProductAdmin Class
- 1. listSellerAdmin Class

- m. listWarehouse staffAdmin Class
- n. loginAdmin Class
- o. updateAdminProfile Class
- p. updateComplaintStatusAdmin Class
- q. updateMarketerProfileAdmin Class
- r. updateNewProductAdmin Class
- s. updateOrderStatusAdmin Class
- t. updateSellerProfileAdmin Class
- u. updateWarehouse staffrProfileAdmin Class
- v. viewCustomerAdmin Class
- w. viewDailyReportSalesAdmin Classs
- x. viewMonthlyReportSalesAdmin Class
- y. viewYearlyReportSaleAdmin Class

#### 2. ManageMarketer

This package is responsible to for all function for admin when interact with SuperProPOS: Product Ordering System. This package consists of the following classes or unit:

- a. listComplaintMarketer Class
- b. listCustomerMarketer Class
- c. listOrderMarketer Class
- d. listProductMarketer Class
- e. listSalesMarketer Class
- f. marketerHome Class
- g. marketerLogin Class
- h. marketerLogout Class
- i. updateProfileMarketer Class
- j. viewComplaintStatusMarketer Class
- k. viewCustomerMarketer Class
- 1. viewDailySaleMarketer Class
- m. viewMonthlySaleMarketer Class
- n. viewOrderStatusMarketer Class
- o. viewProductMarketer Classs

- p. viewSellerProfileMarketer Class
- q. viewYearlySaleMarketer Class

#### 3. ManageSeller

This package is responsible to for all function for seller when interact with SuperProPOS: Product Ordering System. This package consists of the following classes or unit:

- a. addComplaintSeller Class
- b. addCustomerSeller Class
- c. addOrderSeller Class
- d. cartOrderSeller Class
- e. cartSeller Class
- f. checkoutSeller Class
- g. header Class
- h. listComplaintSeller Class
- i. listCustomerSeller Class
- j. listOrderSeller Class
- k. listProductSeller Class
- 1. sellerHome Class
- m. sellerLogin Class
- n. sellerLogout Class
- o. updateComplaintStatusSeller Class
- p. updateCustomerSeller Class
- q. updateOrderStatusSeller Class
- r. updateProfileSeller Class
- s. viewDailyReportSeller Class
- t. viewMonthlyReportSeller Class
- u. viewProductSeller Class
- v. viewYearlyReportSeller Class
#### 4. ManageWarehouse

This package is responsible to for all function for warehouse staff when interact with SuperProPOS: Product Ordering System. This package consists of the following classes or unit:

- a. listComplaintWH Class
- b. listOrderWh Class
- c. listProductWh Class
- d. updateComplaintStatusWh Class
- e. updateOrderStatusWh Class
- f. updateProductWh Class
- g. updateProfileWh Class
- h. whHome Class
- i. whLogin Class
- j. whLogout Class

#### 5. controller

- a. adminController Class
- b. complaintController Class
- c. customerConrtroller Class
- d. marketersController Class
- e. warehouse staffController Class
- f. orderController Class
- g. productController Class
- h. reportController Class
- i. sellerController Class

#### 6. libs

a. database Class

#### 7. model

- a. admin Class
- b. seller Class

- c. marketer Class
- d. warehouse staff Class
- e. cart Class
- f. orders Class
- g. product Class
- h. complaint Class
- i. customer Class

# 4.0 SYSTEM DESIGN APPROVAL

	Name	Date
Verified by:	RINA BINTI ISHAK	15 FEBRUARY 2023
Rina,		
Developer		
Approved by:	ZAID BIN ISHAK	15 FEBRUARY 2023
Zaid		
Client		

Appendix C: User Acceptance Test (UAT) Form

# Version

# SUPERPROPOS: PRODUCT ORDERING SYSTEM Faculty of Computing

# User Acceptance Test (UAT)

# **Table of Contents**

1.0	TESTING REPORT	1
2.0	SYSTEM TESTING APPROVAL	2

#### 1.0 TESTING REPORT

The purpose of this section is to outline the User Acceptance Testing (UAT) process for the system. Approval of this testing implies that reviewers are confident that following the execution of the test plan, the resulting system will be considered fully-tested and eligible for implementation.

The chosen user will go through each of the instructions in the user manual. Any errors or problems found by the user must be noted on this form. The form is also needs to be signed by the user after the test is finished.

#### 1.1 Login

Event	Test Data	Expected	Actual	Pass/Fail	Comment
		Result	Result		
Admin login to	Email:zaid@gmail.com	Succefully	Succefully	Pass	Good
the system	Password: 0123456789	login	login		
Seller login to	Email:	Succefully	Succefully	Pass	Good
system	liayasmen@gmal.com	login	login		
	Password: 0105304570				
Marketer login	Email:	Succefully	Succefully	Pass	Good
to system	azhankhir@gmail.com	login	login		
	Password: 0173045649				
Warehouse	Email:	Succefully	Succefully	Pass	Good
login to system	azri@gmail.com	login	login		
	Password: 0123999977				

#### 1.2 Registration

Event	Test Data	Expected	Actual	Pass/Fail	Comment
		Result	Result		
Register seller	Marketer Id:17	Successfully	Successfully	Pass	Good
	Name: Lia Yasmen	registered	registered		
	Binti Ahmad.				

	Phone Number:				
	0105304570				
	Email:				
	liayasmen@gmail.com				
	Password:				
	0105304570				
Register	Name: Muhammad	Successfully	Successfully	Pass	Good
marketer	Azhan Bin Khairi	registered	registered		
	Phone Number:				
	0173045649				
	Email:				
	azhankhir@gmail.com				
	Password:				
	0173045649				
Register	Name: Muhammad	Successfully	Successfully	Pass	Good
warehouse	Azri Bin Ismail	registered	registered		
	Phone Number:				
	0123999977				
	Email:				
	azri@gmail.com				
	Password:				
	0123999977				

#### 1.3 Manage Employee Profile

Event	Test Data	Expected	Actual	Pass/Fail	Comment
		Result	Result		
Update seller	Marketer Id:17	Updated in	Updated	Pass	Able to update
profile	Name: Lia Yasmen	database	in		
	Binti Ahmad.		database		
	Phone Number:				

	0105304570				
	Email:				
	liayasmen@gmail.com				
	Password:				
	0105304570				
Update	Name: Muhammad	Updated in	Updated	Pass	Able to update
marketer	Azhan Bin Khairi	database	in		
profile	Phone Number:		database		
	0173045649				
	Email:				
	azhankhir@gmail.com				
	Password:				
	0173045649				
Update	Name: Muhammad	Updated in	Updated	Pass	Able to update
warehouse	Azri Bin Ismail	database	in		
profile	Phone Number:		database		
	0123999977				
	Email:				
	azri@gmail.com				
	Password:				
	0123999977				
Update admin	Name: Zaid Bin Ishak	Updated in	Updated	Pass	Able to update
profile	Phone Number:	database	in		
	0123456789		database		
	Email:				
	zaid@gmail.com				
	Password:				
	0123456789				
Delete seller	None	Deleted from	Deleted	Pass	Able to delete
		database	from		

			database database		
Delete marketer	None	Deleted from database	Deleted from database	Pass	Able to delete
Delete warehouse	None	Deleted from database	Deleted from database	Pass	delete

## 1.4 Manage Product

Event	Test Data	Expected	Actual	Pass/Fail	Comment
		Result	Result		
Add product	Name: Fibre Choco	Successfully	Successfully	Pass	Product Image
information	Info: Minuman	added	added		and Product
	Berkhasiat coklat				Document are
	yang sedap dan				needed. If not
	baik untuk tubuh				insert, message
	badan				will ask to insert.
	Price: 150.00				
	Weight:330				
	Image: fibre-				
	choco.png				
	Document:				
	EBOOK FIBRE				
	CHOCO.pdf				
	Status: Available				
	Category: Health				
	Quantity: 20				

Update product	Name: Fibre Choco	Updated in	Updated in	Pass	Good
information	Info: Minuman	database	database		
	Berkhasiat coklat				
	yang sedap dan				
	baik untuk tubuh				
	badan				
	Price: 150.00				
	Weight:330				
	Image: fibre-				
	choco.png				
	Document:				
	EBOOK FIBRE				
	CHOCO.pdf				
	Status: Available				
	Category: Health				
	Quantity: 20				
Delete product	-	Deleted	Deleted	Pass	Good
information		from	from		
		database	database		
View product list	Name: Fibre Choco	System	System	Pass	Good
	Info: Minuman	display	display		
	Berkhasiat coklat	product list	product list		
	yang sedap dan				
	baik untuk tubuh				
	badan				
	Price: 150.00				
	Weight:330				
	Image: fibre-				
	choco.png				
	Document:				

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	EBOOK FIBRE				
	CHOCO.pdf				
	Status: Available				
	Category: Health				
	Quantity: 20				
View product	Name: Fibre Choco	System	System	Pass	Good
information	Info: Minuman	display	display		
	Berkhasiat coklat	product	product		
	yang sedap dan	detail	detail		
	baik untuk tubuh				
	badan				
	Price: 150.00				
	Weight:330				
	Image: fibre-				
	choco.png				
	Document:				
	EBOOK FIBRE				
	CHOCO.pdf				
	Status: Available				
	Category: Health				
	Quantity: 20				

# 1.5 Manage Order

Event	Test Data	Expected	Actual	Pass/Fail	Comment
		Result	Result		
Add product	Product: Sweet G	Product	Product	Pass	Okay
to cart	Price: 76.00	added to	added to		
	Quantity: 1	cart	cart		
Update	Product: Sweet G	Product	Product	Pass	Okay

product in cart	Price: 152.00	updated in	updated in		
	Quantity: 2	cart	cart		
Delete product	-	Product	Product	Pass	Okay
in cart		deleted in	deleted in		
		cart	cart		
Add order	Name: Dina Binti	Successful	Successful	Pass	Okay. Maybe
form	Nadzir	add order	add order		can add option
	Phone: 0132233133				for extra
	Pay method: online				delivery
	banking				payment.
	Bank: Ambank				
	Receipt Image:				
	receipt,png				
	Rec. Reference:				
	#Ref122316754				
	Date: 2023-06-10				
	Time: 14:16:00				
	Address: No 90 Jalan				
	Tebu, Sabak Bernam,				
	45200, Selangor				
	Malaysia				
Update order	Name: Dina Binti	Order	Order	Pass	okay
information	Nadzir	information	information		
	Phone: 0132233133	updated	updated		
	Pay method: online				
	banking				
	Bank: Ambank				
	Receipt Image:				
	receipt,png				
	Rec. Reference:				

	#Ref122316754				
	Date: 2023-06-10				
	Time: 14:16:00				
	Address: No 90 Jalan				
	Tebu, Sabak Bernam,				
	45200, Selangor				
	Malaysia				
View order list	Name: Dina Binti	Order list	Order list	Pass	okay
	Nadzir	displayed	displayed		
	Phone: 0132233133				
	Pay method: online				
	banking				
	Bank: Ambank				
	Receipt Image:				
	receipt,png				
	Rec. Reference:				
	#Ref122316754				
	Date: 2023-06-10				
	Time: 14:16:00				
	Address: No 90 Jalan				
	Tebu, Sabak Bernam,				
	45200, Selangor				
	Malaysia				

#### 1.6 Manage Payment

Event	Test Data	Expected Result	Actual	Pass/Fail	Comment
			Result		
Update receipt	Receipt Image:	Succefully	Succefully	Pass	Okay. Maybe can
image	receipt,png	update receipt	update		make payment
		image	receipt		link that can be
					generated.
Update receipt	Rec. Reference:	Succefully	Succefully	Pass	okay
reference	#Ref122316754	update receipt	update		
		reference	receipt		
			reference		
Update receipt	Date: 2023-06-	Succefully	Succefully	Pass	okay
date	10	update receipt	update		
		date	receipt date		
Update receipt	Time: 14:16:00	Succefully	Succefully	Pass	okay
time		update receipt	update		
		time	receipt time		

### 1.7 Manage Complaint

Event	Test Data	Expected Result	Actual Result	Pass/Fail	Comment
Add complaint	Order Id: O34	Successfully	Successfully	Pass	
information	Problem: broken	added complaint	added		
	Image:lost.png		complaint		
Update	Order Id: O34	Successfully	Successfully	Pass	
complaint	Problem: broken	updated	updated		
information	Image:lost.png	complaint	complaint		
	Status: Under	information			
	Review				

#### 1.2 Manage Customer

Event	Test Data	Expected Result	Actual Result	Pass/Fail	Comment
Add customer	Name: Dina	Successfully	Successfully	Pass	
information	Binti Nadzir	added customer	added		
	Phone:		customer		
	0132233133				
	Address: No 90				
	Jalan Tebu,				
	Sabak Bernam,				
	45200, Selangor				
	Malaysia				
Update	Name: Dina	Successfully	Successfully	Pass	
customer	Binti Nadzir	updated	updated		
information	Phone:	customer	customer		
	0132233133				
	Address: No 90				
	Jalan Tebu,				
	Sabak Bernam,				
	45200, Selangor				
	Malaysia				
View customer	Name: Dina	Customer detail	Customer	Pass	
information	Binti Nadzir	displayed in	detail		
	Phone:	system	displayed in		
	0132233133		system		
	Address: No 90				
	Jalan Tebu,				
	Sabak Bernam,				
	45200, Selangor				
	Malaysia				

# 1.8 Generate Report

Event	Test Data	Expected Result	Actual Result	Pass/Fail	Comment
View Daily Sales	-	List and graph	List and graph	Pass	May change to
		of daily sales	of daily sales		variety of color
		displayed	displayed		for the graph
View Monthly		List and graph	List and graph	Pass	May change to
Sales		of monthly sales	of monthly		variety of color
		displayed	sales displayed		for the graph
View Yearly		List and graph	List and graph	Pass	May change to
Sales		of yearly sales	of yearly sales		variety of color
		displayed	displayed		for the graph

	Name	Date
Verified by:	RINA BINTI ISHAK	12/06/2023
Developer		
Approved by:	ZAID BIN ISHAK	12/06/2023

#### 2.0 SYSTEM TESTING APPROVAL

NO	Module	Activities	Status	Comment
1.	Login	Login to system	Pass	
2.	Register Employee	Register seller, marketer and warehouse	Pass	
3.	Manage User Profile	View, delete and update admin, seller, marketer an warehouse staff profile	Pass	
4.	Manage Customer	View and update customer profile	Pass	Only view customer
5.	Manage Product Detail	Add, view, delete and update product information	Pass	
6.	Manage Order	Add, view and update order information	Pass	Cannot delete orde
7.	Manage Complaint	Add, view and update complaint information	Pass	
8.	Generate Report	View sales report	Pass	Need improveme

Figure 1.1 User Acceptance Testing Form by Admin

NO	Module	Activities	Status	Comments
1.	Login	Login to system	Pass	
2.	Register Employee	Register seller, marketer and warehouse	Fail	Not availa (admin did it)
3.	Manage User Profile	View, delete and update admin, seller, marketer an warehouse staff profile	Pass	Able to update o profile and can vi seller assign to me
4.	Manage Customer	View and update customer profile	Pass	Only can vi seller's customer
5.	Manage Product Detail	Add, view, delete and update product information	Pass	Can view prod details only
6.	Manage Order	Add, view and update order information	Pass	Can view my se order only
7.	Manage Complaint	Add, view and update complaint information	Pass	Can view my se complaint only
8.	Generate Report	View sales report	Pass	Can view my se sales report only

Figure 1.2 User Acceptance Testing Form by Marketer

NO	Module	Activities	Status	Comments
1.	Login	Login to system	Pass	
2.	Register Employee	Register seller, marketer and warehouse	Fail	Not availa (admin did it)
3.	Manage User Profile	View, delete and update admin, seller, marketer an warehouse staff profile	Pass	Able to up own profile.
4.	Manage Customer	Add, view and update customer profile	Pass	
5.	Manage Product Detail	Add, view, delete and update product information	Pass	View proc only
6.	Manage Order	Add, view and update order information	Pass	
7.	Manage Complaint	Add, view and update complaint information	Pass	
8.	Generate Report	View sales report	Pass	

Figure 1.3	User Acceptance	Testing	Form b	by Seller
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NO	Module	Activities	Status	Comments
1.	Login	Login to system	Pass	
2.	Register Employee	Register seller, marketer and warehouse	Fail	Not available (ad did it)
3.	Manage User Profile	View, delete and update admin, seller, marketer an warehouse staff profile	Pass	Able to update of profile.
4.	Manage Customer	Add, view and update customer profile	Fail	Not available
5.	Manage Product Detail	Add, view, delete and update product information	Pass	Can update proo stock and availabit
6.	Manage Order	Add, view and update order information	Pass	Can update o delivery status tracking number o
7.	Manage Complaint	Add, view and update complaint information	Pass	Can up complaint status explanation only
8.	Generate Report	View sales report	Fail	Not available

Figure 1.4	User Acco	eptance Test	ting Form	by	Warehouse	Staff
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Appendix D: Gannt Chart for SuperProPOS: Product Ordering System



Figure 1.0 Gantt Chart of SuperProPOS: Product Ordering System Phase