

TOT'S N FUN ONLINE STORE



UNIVERSITI TEKNIKAL MALAYSIA MELAKA

TOT'S N FUN ONLINE STORE

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This report is submitted in partial fulfilment of the requirements for the Bachelor of Computer Science (Software Development)] with Honours.

FACULTY OF INFORMATION AND COMMUNICATION TECHNOLOGY
UNIVERSITI TEKNIKAL MALAYSIA MELAKA

2021

DECLARATION

I hereby declare that this project report entitled

[TOT'S N FUN ONLINE STORE]

is written by me and is my own effort and that no part has been plagiarized

without citations.

STUDENT : _____ Date : 4/9/2021

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I hereby declare that I have read this project report and found
this project report is sufficient in term of the scope and quality for the award of
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DEDICATION

I humbly dedicate this piece of work to my beloved parents, Nor Hidan Bin Md Nor and Rosmawati Binti Ahmad for their guidance and support. Also, for my friend Muhammad Syafiq, Mohd Zaki and Muhammad Asyraf who help me to complete my project and advise me to make a good system.

I also dedicate this to my supervisor, Dr Kasturi A/P Kanchymalay for the guidance and advisor for me.

Above all, to Allah S.W.T who always give me strength, knowledge, and wisdom in everything I do.

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I wish to thank to my family and friends for the encouragement and motivation toward to complete this final year project. It is so helpful. Also, I appreciated to the owner of Tot's N Fun Muhammad Amirul Mukmin who give me opportunity to develop this system for his store.

Lastly, I are thankful for all I mention and others who helped us a lot in finishing this project within the limited time.

ABSTRACT

Now day, online shopping is very popular especially during this Covid 19 pandemic. People like to stay at home and buy the product though online. It not only can save time but can save flue. Therefore, by using Tot's N Fun Online Store system, it can help people especially parent to buy the essential oil for their kid to appetite their kids. From this system people can buy any product that this store sell. People can make payment through PayPal which is online payment method. Besides that, from this system admin for this store can manage the product, order and customer details. It can make their system more organize.

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ABSTRAK

Di masa sekarang ini, pembelian atas talian sangat penting terutamanya di waktu pandemic Covid 19. Masyarakat suka tinggal di rumah dan membeli barang-barang melalui atas talian. Cara ini bukan sahaja dapat menjimatkan masa namun menjimatkan minyak untuk kenderaan. Oleh itu, dengan menggunakan sistem Tot's N Fun Online Store. Ia dapat membantu ibu bapa membeli minyak pati meningkatkan selera makan untuk anak-anak mereka. Dari system ini pengguna dapat membeli pelbagai produk yang dijual di kedai ini. Pengguna boleh membuat pembayaran melalui pembayaran atas talian iaitu PayPal. Selain itu, dengan system ini admin mampu menguruskan produk, pesanan dan maklumat pelanggan. Ia juga akan membuat system kedai mereka lebih terurus.

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LIST OF ABBREVIATIONS

FYP	-	Final Year Project
TNFOS	-	Tot's N Fun Online Store

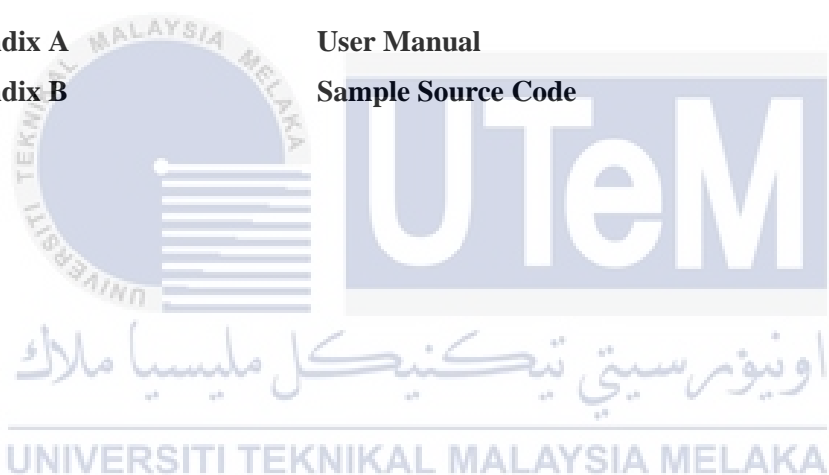


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CHAPTER 1. INTRODUCTION

1.1 Introduction

Tot's N Fun Online Store (TNFOS) is an online shopping for Tot's N Fun store that sell variety of essential oil for kids. Before this, all the product from this store was sold in Facebook. To buy the product, customer need to contact or message the number from the Facebook page to buy the product. It be little bit complicated and difficult for certain customer. Therefore with the system that I proposed, customer can just go to the website buy what they need. It not only can save the time but also easy for the first time user. Customer can choose any product that they want. Also from this website, customer can get many information about the product. To make the online store more convenience, admin can manage it with the updated product, updated advertisement and other more. Besides, staff can get the sales report from this system and can manage the customer details.

1.2 Problem statement(s)

There are many reasons this project was developed. This is because there are a few problems that happen to users which are:

- i. To buy the product, customer need to contact the staff and give confirmation for the purchase.

- ii. Take time for the customer to get the responses from the staff when want to buy the product.
- iii. Difficult for staff to manage the order when there are many customers that contact at the same time.

1.3 Objective

The objective for this project is:

- i. To develop web based application which can help the Tot's N Fun store to increase the profit.
- ii. To facilitate admin to manage customer order.
- iii. To develop interactive web based application that can attract user buy the product.
- iv. To automate the calculation process

1.4 Scope

1.4.1 Modules to be developed:

- i. Customer Module

In this module the user, Customer can register the account and update the information details. Admin only can view the customer details to know the customer's order.

- ii. Order Module

This module including the detail for the customer order such as customer name, product name, quantity, address and total price.

Customer can add and delete item to buy. Also include the payment.

In this module, admin can view the order from the customer.

iii. Product module

This module is for admin to manage product. Admin can add, update or delete the details of the product existing. Admin can add new products into the existing system with all details including the image. For delete product admin can delete the product that does not sell in the store.

iv. Report Module

This module is for Admin. From this module, admin can know the higher product that was sold. Admin also can know the details of the order from the customer.

1.4.2 Target User

Admin Tot's N Fun and customer.

1.5 Project Significance

Nowadays, online store is important for everyone especially for seller. Customer most like to buy product through an online rather to the store because can give many benefits for the customer. For example, buy product through online can save the time. Customer can go the website or the application and search the product want to buy. Therefore, with this TNFOS system it can give the benefit for the seller and customer. If before this, customer need to contact seller from the Facebook to

buy the product, with this system, customer can go to the website and search product want to buy. From the website also, customer can see the information about the product.

1.6 Expected Output

From this TNFOS system, it can help seller which is admin to manage the store through online. Admin can organize the product details nicely. Also, it can help admin to manager order perfectly. From that it can avoid from any order left to ship. With this system, admin can know the most popular of the product that customer like.

For customer, with the TNFOS system customer can buy the product customer want easily. When customer use this system firstly customer can see all the advertisement about all product in this store. From that, customer can go to product page to buy any product. All the product that wants to buy will be added to cart. After that customer can view all the cart detail and can update if have any mistake such as quantity of the product want to buy. Also, can remove the product from the cart if do not want to buy it. Then, customer can checkout and make a payment. Before making a payment, customer must login the account if not has an account customer can register. Finally, customer can make a payment through the papal. To view the history order, customer can go to the order page. All the history order details will be display such as product name, quantity, date, and total.

1.7 Conclusion

From all the details in this chapter, the project developed follow as a planning. The system has four modules which as Order Module, Customer Module, Product Module and Report Module.

CHAPTER 2. LITERATURE REVIEW AND PROJECT METHODOLOGY

2.1 Introduction

In this chapter, it explains about the existing system, proposed system and project methodology used to develop the proposed system. To develop a new system, reference from the existing system is very important. From the existing system it gives many inputs and idea to develop a proposed system.

For the project methodology, it explains about the Agile methodology. The reason why developer use this methodology to develop the system. Also, it explains the benefit for the developer when use this methodology.

2.2 Facts and findings (based on topic)

2.2.1 Domain Identify

This project is related to e-commerce. E-commerce is the selling and buying of products, services or the transmitting of funds or data, over an electronic network, primarily the internet. The system that develops is for the selling and buying of the product from the store.

2.2.2 Existing System

There are many online stores which is the domain base is e-commerce that sell their product through the internet. To develop this project there are a few online stores as a reference such as Hush Puppies and Kidstuff.

Hush Puppies sells casual shoes, boots, and dress shoes. When open the website, user can know what is the product that this store sell. This is because, in the home page there are slide image of the product in this store. From the Hush Puppies website there are few functions that user can use such as search bar to find the product user want to explore, customer review, shopping cart and other. Also, when user click the product there are a product related display above the product description. The benefit for this functionality it can give a user variety of option that user can choose.

The important part in this online store website is About Us page. In this page, it describes the mission of this store and history about this store. From that, it will make user believe about this store.

The next reference is Kidstuff. Kidstuff is a store that sells toys that inspire individuality and reward curiosity. The product range includes unique and prestigious toy brands from around the world. In this system the feature product of this store is put at the homepage. The reason is to grab the customer's attention and showcase the most interesting toys.

Other than the basic functionality for every online store, this Kidstuff has Wishlist functionality. User can save the product user like in this system and it will be saved in the Wishlist. This function also can attract the user to use this system because user can know if have any promotion about the product user like from this functionality.

Table 2.1 Features of Current System

Features	Hush Puppies	Kidstuff
Login and Registration	✓	✓
Product search	✓	✓
Wishlist	✗	✓
Product Similarity	✓	✗
Order history	✓	✓
Shopping Cart	✓	✓
Product Filter	✓	✓

2.2.3 Technique

Majority of the online store system will use online banking payment and credit or debit card. For this system, the method that will be use for the payment is PayPal. PayPal is an electronic commerce company that facilitates payments between parties through online transfers. It allows customers to establish an account on its platform, which is connected to a user's credit card.

The reason for use PayPal as a payment method because it offers businesses low-cost services. Since Tot's N Fun is a small store, therefore with the PayPal it can give a benefit to the owner. Also, PayPal is considered a very secure method of sending payment online.

To use the PayPal, users need an email address to sign up for an account and must provide a credit card, debit card or bank account to complete the setup. PayPal will verify all the information to make sure the person setting up the account is the rightful owner before the service can be used.

2.3 Project Methodology

To develop the project, the methodology that will be use is Agile Methodology. Agile methodology is a project management process which mainly used for software development.

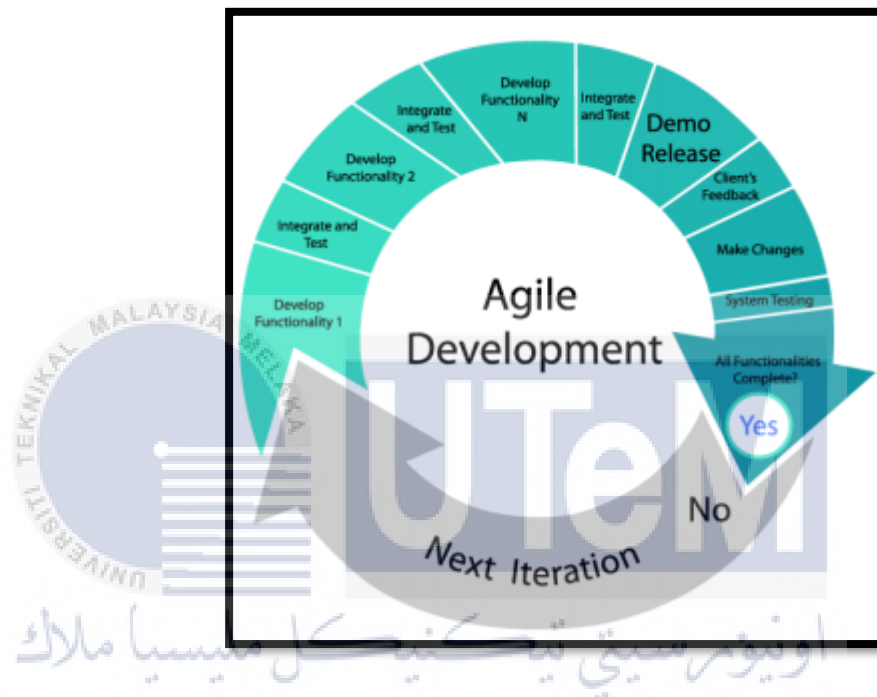


Figure 2.1 Agile Methodology model (Ichanical Technologies)

Figure 2.1 shows the software development model for Agile methodology approach. One software life cycle is not enough to create a complete project, but each iteration shows the part of the software functionality that can be tested and/ or changed. After each of cycle, the software development team will summarize each cycle. Then, may receive new project requirements, and some adjustment can easily be made to the project plan.

The reason uses this methodology because the demand and solutions evolve through the collaborative effort of self-organizing and cross-function teams and the customer.

When used the agile, it can help to describe approaches to software development emphasizing incremental delivery, team collaboration, continual planning, and continual learning instead of trying to deliver it all at once near the end. From the phases of this methodology, it also has the phase where the client can give the feedback and developer can make the improvement for the system. Therefore, it be much dynamic process because everyone working together toward one goal.

2.4 Project Requirements

2.4.1 Software Requirement

i. Visual Studio Code

Visual Studio Code is a powerful source code editor which can run on desktop and is available for Windows, macOS and Linux. It comes with built-in support for JavaScript, TypeScript and Node.js and has a rich ecosystem of extensions for other languages such as C++, C#, Java, Python and other and runtimes such as .NET and Unity. This software suitable for develop this project because the language that will use to develop the project is PHP and HTML.

ii. MYSQL

MySQL is used for a wide range purposes, including data warehousing, e-commerce, and logging application. For this project development MySQL is used to store the data that related to this project.

iii. phpMyAdmin

phpMyAdmin is a free software tool written in PHP, intended to handle the administration of MySQL over the Web. Because of this system use PHP language, therefore phpMyAdmin is suitable for managing MySQL database.

iv. Microsoft Office

To develop this system, Microsoft Word is used for the documentation such as proposal, report progress and final report. All the documentation shows the details of this project. Also, Microsoft Project was used to prepare the Gant Chart. It is used to plan the schedule of the project to ensure the flow of project development smoothly.

2.4.2 Hardware Requirement

- i. Laptop

2.4.3 Other Requirements

- i. Google Meet

This platform is used to do the discussion and meeting with the supervisor. Every week need to show the project progress to supervisor. After that, supervisor will comment the system and need to fix or improve all the comment from the supervisor.

2.5 Project Schedule and Milestones

GANTT CHART

	Task Mode ▼	Task Name ▼	Duration ▼	Start ▼	Finish ▼	Predecessors ▼
1	✦	▸ Planning	10 days	Mon 15/3/21	Fri 26/3/21	
2	✦	Choose Suitable Project	3 days	Mon 15/3/21	Wed 17/3/21	
3	✦	Discussion with Supervisor	4 days	Thu 18/3/21	Tue 23/3/21	2
4	✦	Create Proposal	2 days	Wed 24/3/21	Thu 25/3/21	
5	✦	Proposal Submission	1 day	Fri 26/3/21	Fri 26/3/21	4
6	✦	▸ Analysis	15 days	Mon 29/3/21	Fri 16/4/21	
7	✦	Analyze Current System	4 days	Mon 29/3/21	Thu 1/4/21	
8	✦	Analyze Proposed System	4 days	Fri 2/4/21	Wed 7/4/21	7
9	✦	Identify Software and Hardware	3 days	Thu 8/4/21	Mon 12/4/21	8
10	✦	Analyze System Requirement	4 days	Thu 8/4/21	Tue 13/4/21	7,8
11	✦	▸ Design	15 days	Mon 19/4/21	Fri 7/5/21	
12	✦	Design Data Flow Diagram	5 days	Wed 14/4/21	Tue 20/4/21	8,9,10
13	✦	Design Database	2 days	Wed 21/4/21	Thu 22/4/21	12
14	✦	Design Interface	8 days	Fri 23/4/21	Tue 4/5/21	12,13
15	✦	▸ Development	50 days	Tue 11/5/21	Mon 19/7/21	
16	✦	Develop Product Module	10 days	Wed 5/5/21	Tue 18/5/21	13,14
17	✦	Develop Customer Module	10 days	Wed 19/5/21	Tue 1/6/21	16
18	✦	Develop Order Module	10 days	Wed 2/6/21	Tue 15/6/21	16,17
19	✦	Develop Report Module	10 days	Wed 16/6/21	Tue 29/6/21	16,17,18
20	✦	Develop Other Functionality	10 days	Wed 30/6/21	Tue 13/7/21	16,17,18,19
21	✦	▸ Testing	15 days	Tue 20/7/21	Mon 9/8/21	
22	✦	Create Testing schedule	5 days	Tue 20/7/21	Mon 26/7/21	
23	✦	Create Use Case	8 days	Tue 27/7/21	Thu 5/8/21	22
24	✦	Perform Testing	2 days	Fri 6/8/21	Mon 9/8/21	23
25	✦	▸ Maintenance	4 days	Tue 10/8/21	Fri 13/8/21	
26	✦	Create User Manual	4 days	Tue 10/8/21	Fri 13/8/21	

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Figure 2.2: Task Distribution

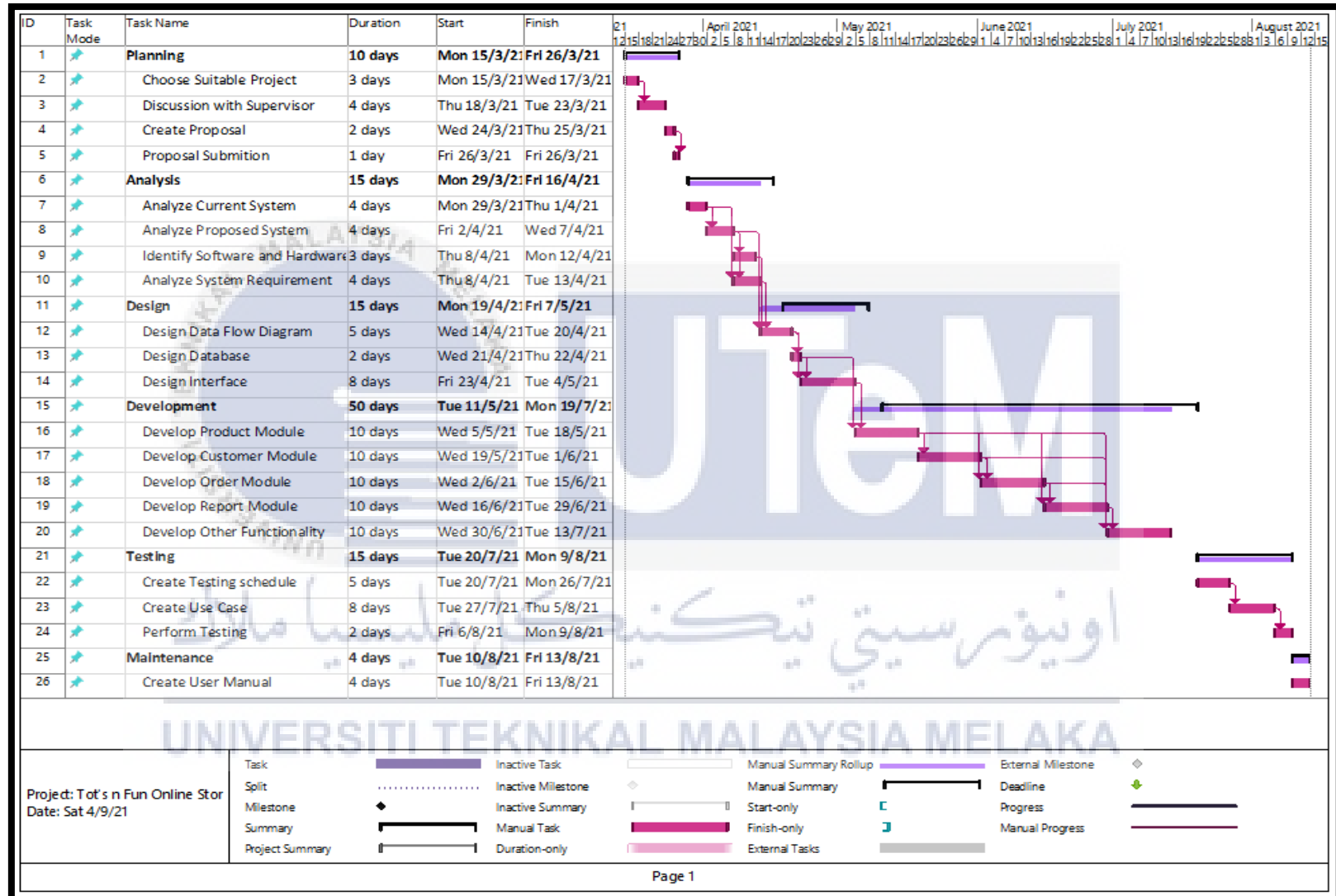


Figure 2.3: Gantt Chart

2.6 Conclusion Summarize

In conclusion, do the research about the current system for the proposed system is very important to make sure the system that will develop has the new functionality. Then, with the methodology that was plan need to be followed to make sure the project not overlapping and follow every phase in the methodology to make sure the system can be complete before the due date. Therefore, project schedule was created to help the developer.



CHAPTER 3. ANALYSIS

3.1 Introduction

In this chapter, it explains the requirement need to develop the TNFOS system. All the requirements are explained from data requirement, functional requirement, and non-functional requirement. Functional requirement is a description of the service that the software must offer. It describes a software system. The benefit when list the functional requirement is to helps developer to check whether the system is providing all the functionalities that were mentioned in functional requirement of the system or not.

Non-functionality requirement is a specification that describes the system's operation capabilities and contains that enhance its functionality. For example, speed, security, reliability, etc.

3.2 Problem Analysis

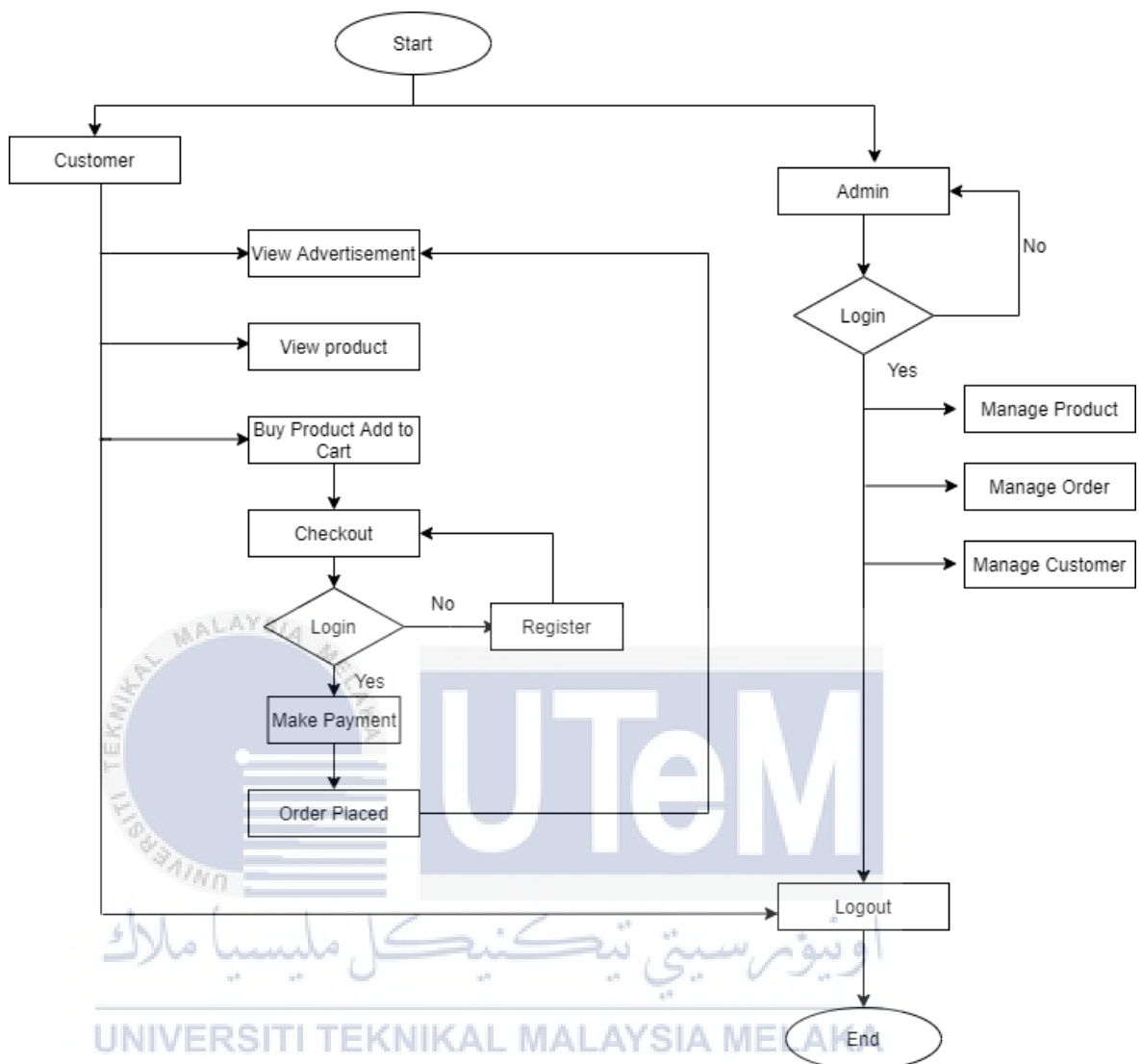


Figure 3.1 Flow chart for the system

From figure 3.1, it shows the system have two user which is customer and admin.

When customer use this system customer will see the home page that explain about all the product that Tot's N Fun sell. After that, customer can view all the product and buy it. To buy the product, customer need to add to cart the product that was choose. If customer is a first timer, customer need register and login the system to make a payment. Finally, customer can view the order at the order page.

For admin, when login the system it will display the dashboard which display all the total of product, order and customer have. Then, admin can maintain the product details which is add new product, delete product, or update product details. After admin maintain all the product details, the new details will be update in the product page of customer user. For manage order, admin need to update the status of order either in progress, shipping or complete.

3.3 Requirement analysis

3.3.1 Data Requirement

i. User information

User id, first name, last name, email, password, phone number, address line 1 and address line 2 of the user which is customer.

ii. Admin information

Id, name, email, and password

iii. Product details

Product id, product name, product price, product description and product image for every product.

iv. Cart details

Cart id, product id, user id and quantity.

v. Order details

Date, order id, user id, product id, quantity, transaction id and product status for every product that customer buy.

3.3.2 Functional Requirement

i. Maintain (Add, Delete, Update) the product details

Admin can maintain all the product details from Tot's N Fun Management and it will automatically update in Tot's N Fun Online Store for customer to view it.

ii. Make an order

Customer can choose any product want can add to cart to make an order. Customer can save the order in a cart before confirming to but the product.

iii. Make payment

Customers need to do a payment through PayPal after making a confirmation to buy the product. Customer need to has PayPal account to make a payment.

iv. View history order

From this functionality, customer can view all previous order that customer do.

v. Customer registration

Customer need to has an account to buy any product from this store. After customer register, customer need to login the system to make an order.

3.3.3 Non-functional Requirement

i. Reliability

Verify the system must update order status after every update process.

ii. Performance

Validate that the database will be updating in less than 3 second after inserting/ updating or delete data.

iii. Usability

Verify the system should be user friendly with the interface that easy to understand.

iv. Compatibility

- Verify the system shall be compatible on every platform.
- Verify the system can be run on Window 7 and above.

v. Security

- Validate the system to define specific threats that can affect the system to be protected from.
- Validate the system authentication working correctly.
- Verify that customer can only update their data.

3.3.4 Others Requirement

None

3.4 Conclusion

In conclusion, this chapter explained all the requirement need to develop this system. All the requirement listed is important to make sure the system completely follow requirement needed. Also, from this chapter show the flow for the system that will be develop.



CHAPTER 4. DESIGN

4.1 Introduction

In this chapter, it will explain the process of defining elements of the system such as modules, system architecture, component and the interface and the data for a system based on the requirement.

The architecture is the conceptual model that defines the structure, behaviour and more view of the system. Use case diagram was used to illustrate the system flow. Next the component is referring as a module that include in this system. Then in this chapter also show the interface for all modules. It to show to the client how the system will be.

4.2 High-Level Design

4.2.1 System Architecture

Web application consists of many components such as the user interface, a login-screen, an in-app store, the database and other. Figure 4.1 show web application architecture.

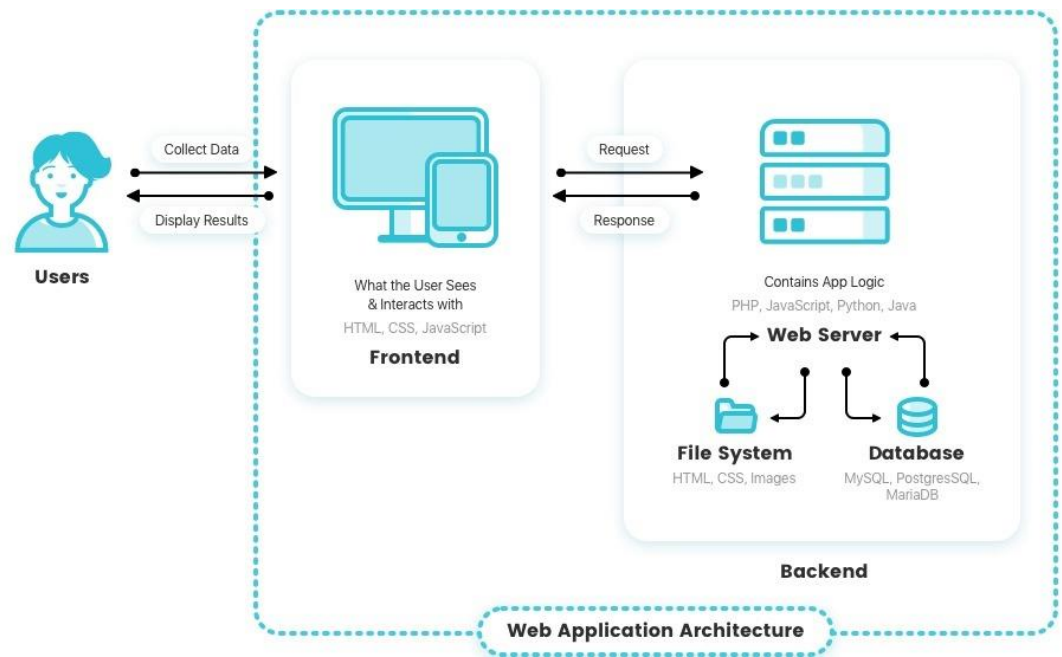


Figure 4.1: Web Application Architecture (Marks Dabbs 2019)

From figure 4.1 it shows that every web application consists of front-end and back-end.

The front-end also known as client side. It means user can see and interacts with everything inside the browser. The main purpose of the client-side is to collect the data from users.

Then, the back end is known as the server-side of the app. It is the part which not accessible by user like the stores data and manipulates data.

The web application architecture that was used for this project is client-side rendering. Client-side rendering is that when user visit website that uses CSR, only a single request will be made to the server to load the main skeleton of the app.

The advantage of the client-side rendering is it rich of site interactions. Then, after the initial load, the speed of the website is very fast.

4.2.2 User Interface Design

4.2.2.1 Customer Interface

When customer used the system, the system will display home page where show all the advertisement of the product. From that customer can choose the product that will buy. Customers need to register and login before making a payment for the order.



Figure 4.2: Home Page

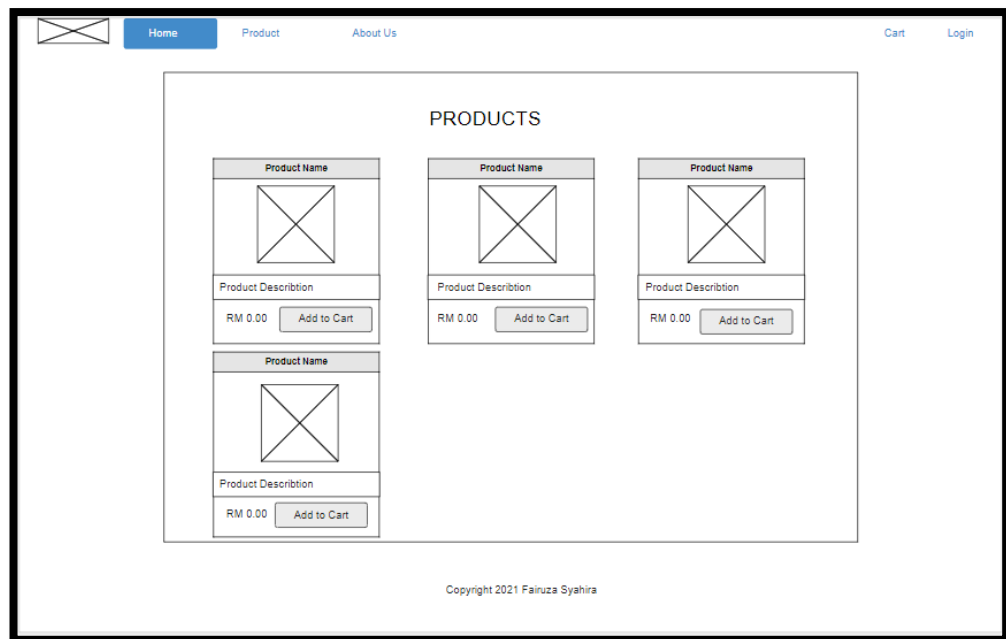


Figure 4.3: Product page

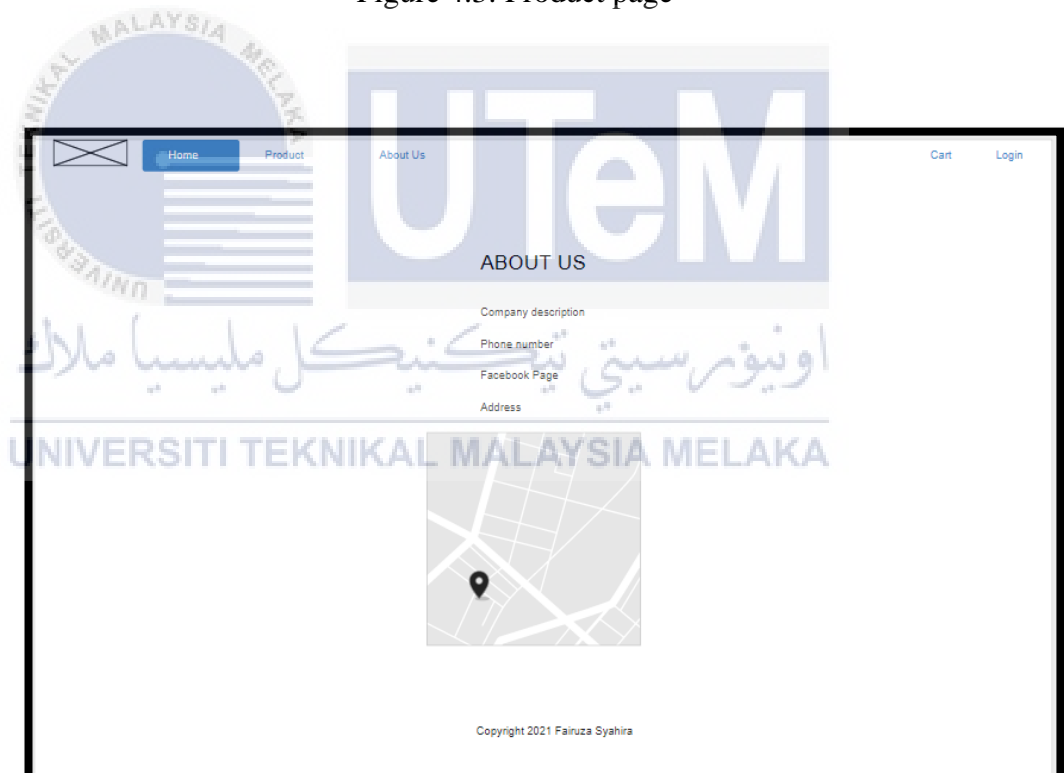


Figure 4.4: About Us page

Action	Product Image	Product Name	Quantity	Unit Price	Subtotal
Delete Update		Gardiee	2	RM 0.00	RM 0.00
Delete Update		Kiddit	2	RM 0.00	RM 0.00

TOTAL: RM 0.00

[CHECKOUT](#)

Copyright 2021 Fairuza Syahira

Figure 4.5: Checkout page

REGISTRATION

First Name

Last Name

Email

Password

Re-enter Password

Phone No.

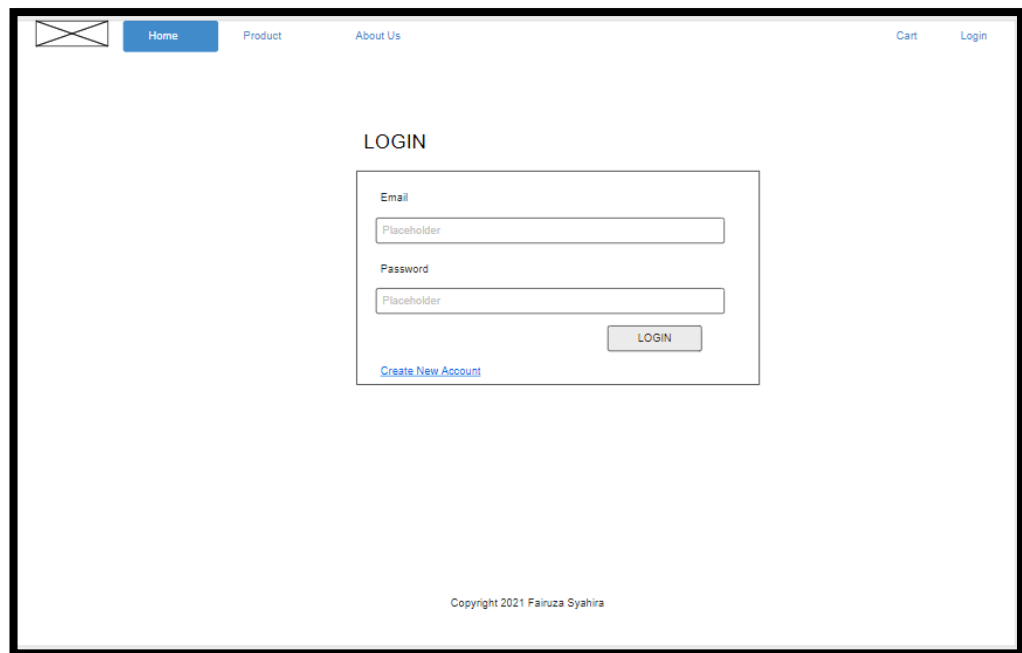
Address line 1

Address line 2

[SIGN UP](#)

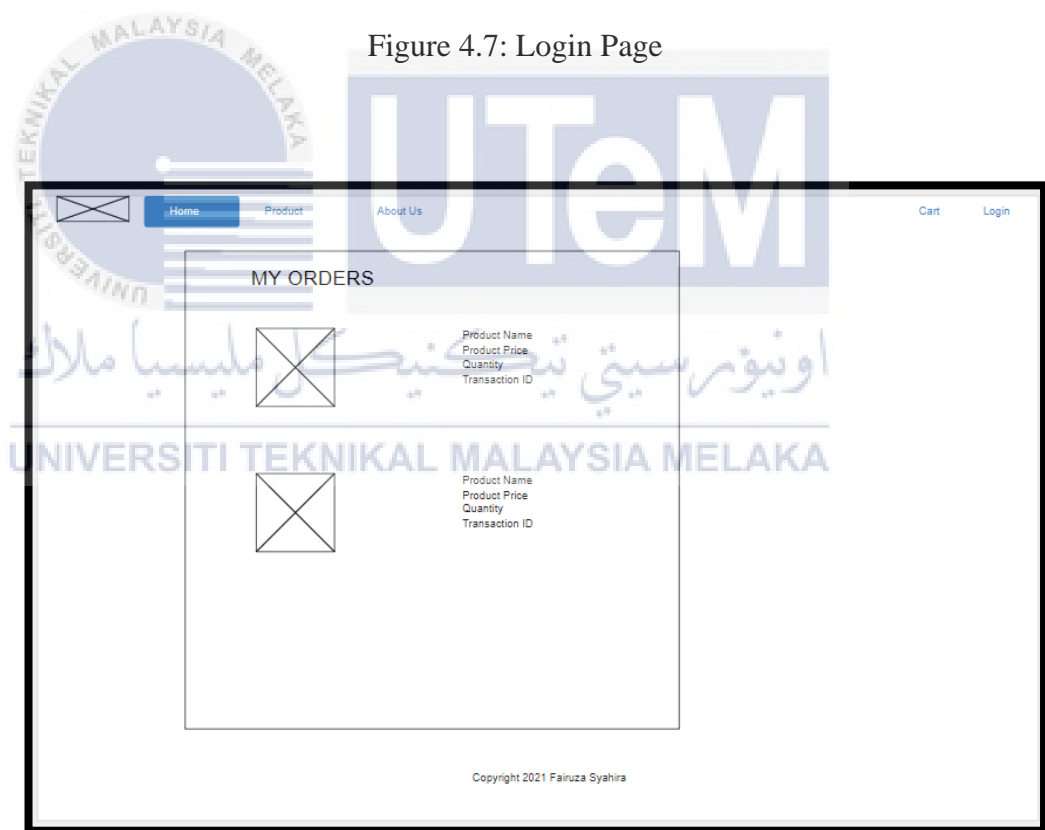
Copyright 2021 Fairuza Syahira

Figure 4.6: Registration page



The login page features a navigation bar at the top with a logo placeholder, and links for Home, Product, About Us, Cart, and Login. The main content area is titled "LOGIN" and contains a form with two input fields: "Email" and "Password", both with "Placeholder" text. A "LOGIN" button is positioned to the right of the password field. Below the form is a link that says "Create New Account". At the bottom of the page, there is a copyright notice: "Copyright 2021 Fairuza Syahira".

Figure 4.7: Login Page



The "MY ORDERS" page has a navigation bar identical to the login page. The main content area is titled "MY ORDERS" and displays a table of orders. The table has five columns: a placeholder for an image, "Product Name", "Product Price", "Quantity", and "Transaction ID". Two rows of data are shown, each with a placeholder image and the text "Product Name", "Product Price", "Quantity", and "Transaction ID". At the bottom of the page, there is a copyright notice: "Copyright 2021 Fairuza Syahira".

Figure 4.8: My Order Page

4.2.2.2 Admin Interface

When admin login the system, the first page that admin view is the dashboard. From the dashboard admin can see the total product, total order and total customer. After that, admin can maintain the product details which is update, add, or delete. Admin also can update order status of the customer.

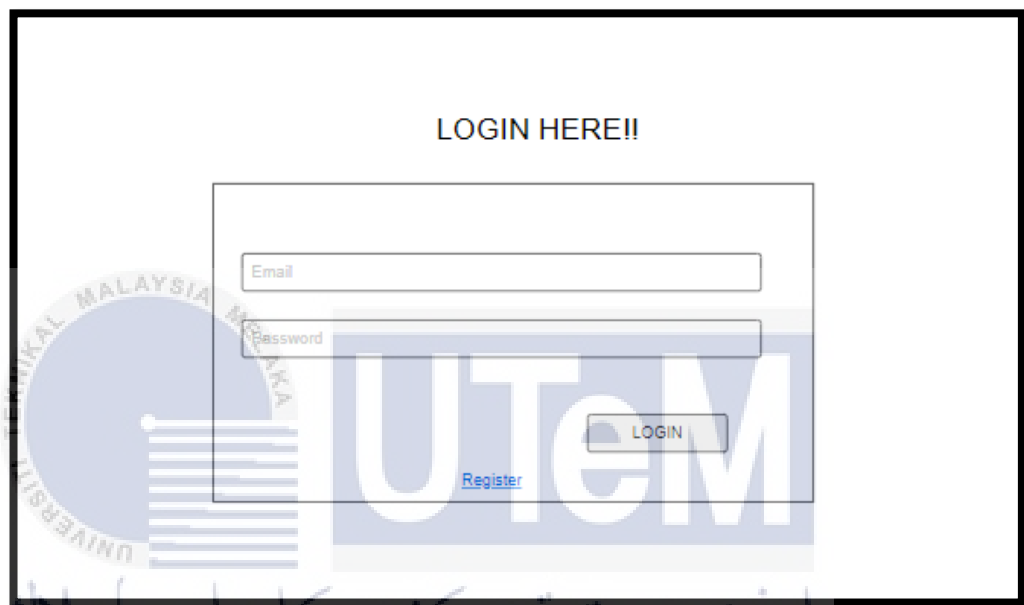


Figure 4.9: Admin Login Page

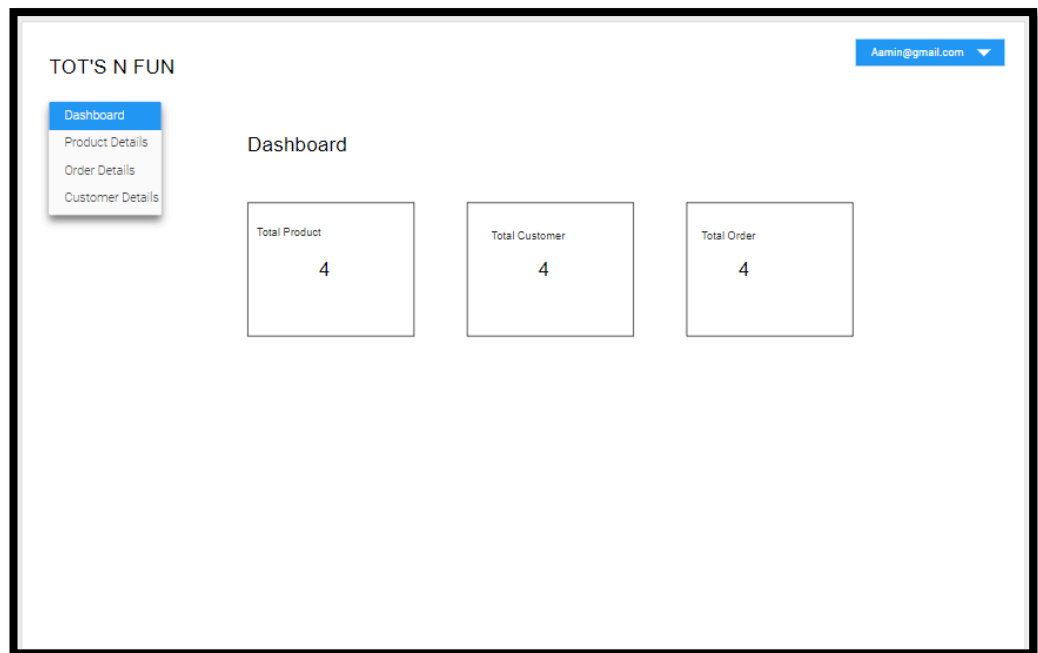


Figure 4.10: Dashboard Page

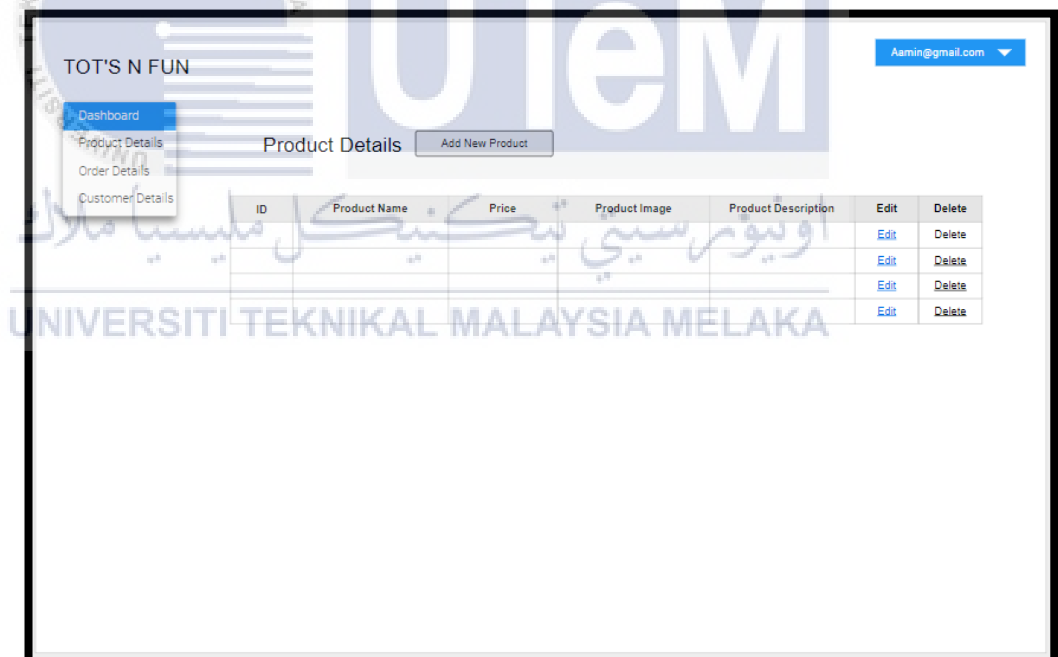


Figure 4.11: Product Details page

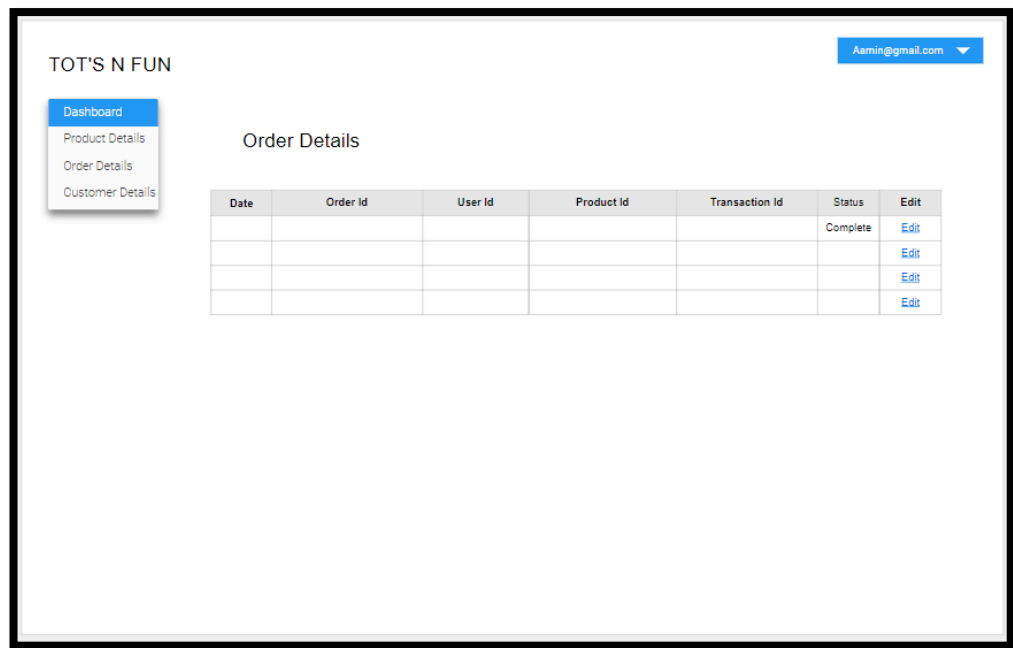


Figure 4.12: Order Details page

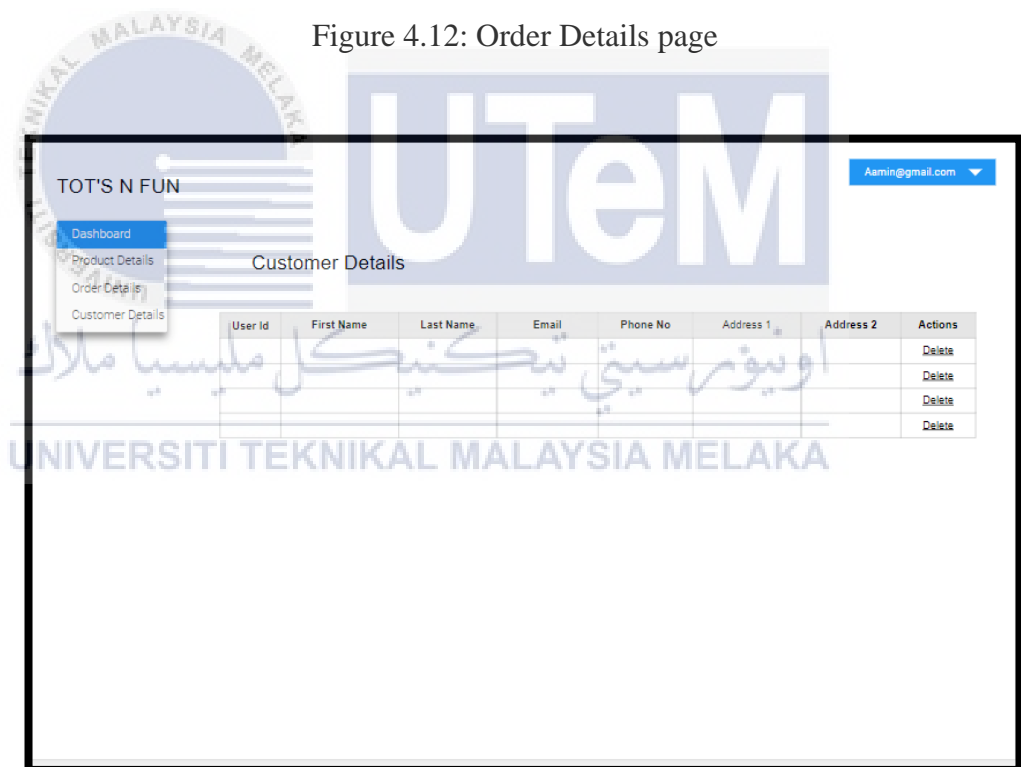


Figure 4.13: Customer Details page

4.2.3 Database Design

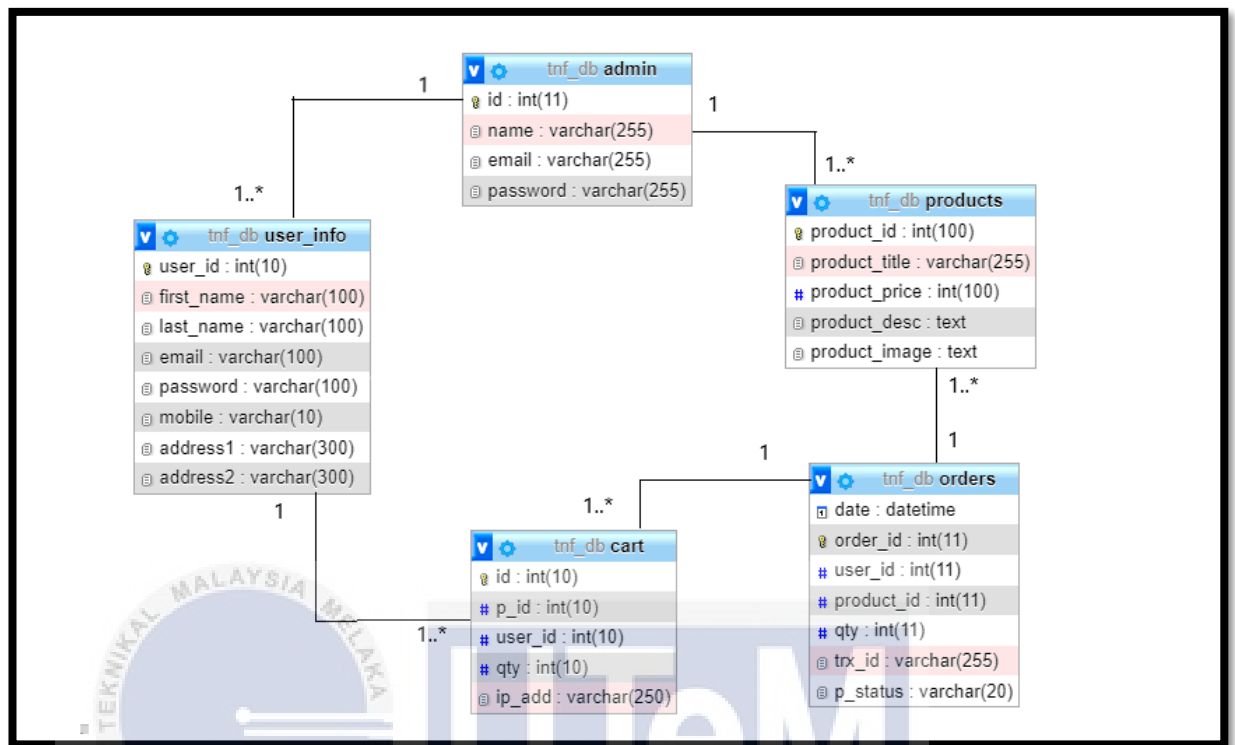


Figure 4.14: Database design

4.2.3.1 Conceptual and Logical Database Design

Table 4.1: Database Table for admin

admin			
Key	Datatype	Attribute	Description
PK	Int	ID	ID for admin
	Varchar	Name	Admin's name
	Varchar	Email	The email for the admin use to login system
	varchar	Password	Password to login the system

Table 4.1 show the data needed for the admin.

Table 4.2: Database Table for user_info

user_info			
Key	Datatype	Attribute	Description
PK	Int	User_id	ID for the customer
	Varchar	first_name	Name of the customer
	Varchar	last_name	Last name of customer
	Int	email	The email for the user to login the system
	Varchar	password	Password to login the system
	Varchar	mobile	Customer's phone number
	varchar	address1	First line of customer's address
	Varchar	address2	Second line of customer's address

Table 4.2 shows data store for the user which is customer.

Table 4.3: Database Table for products

products			
Key	Datatype	Attribute	Description
PK	Varchar	product_id	code for every product
	Varchar	product_title	The name of the product
	Double	Product_price	Price for the product
	Varchar	product_desc	Description about the product
	Varchar	Product_image	Image of the product

Table 4.3 shows the data for the details of the product.

Table 4.4: Database Table for orders

orders			
Key	Datatype	Attribute	Description
PK	Int	order_id	ID for the order
FK	Int	user_id	Customer ID
FK	Varchar	product_id	Product ID

	Datetime	date	Date of the order
	Int	Qty	Quantity of the product buy
	Varchar	trx_id	Transaction id payment
		status	Status either to ship or to receive

Table 4.4 shows the order data after customer make a payment.

Table 4.5: Database Table for cart

cart			
Key	Datatype	Attribute	Description
PK	Int	id	ID for the cart
FK	Int	user_id	Customer ID
FK	Varchar	p_id	Product ID
	Int	qty	Quantity of the product buy

Table 4.5 show the data that need to be display in the system before customer confirm the order.

4.3 Detailed Design

4.3.1 Software Design

To develop the system the design that will use is Data Flow Diagram (DFD). DFD are used to graphically represent the flow of data in business information system. DFD describes the processes that are involved in a system to transfer data from the input to the file store



Figure 4.15: DFD 0 level

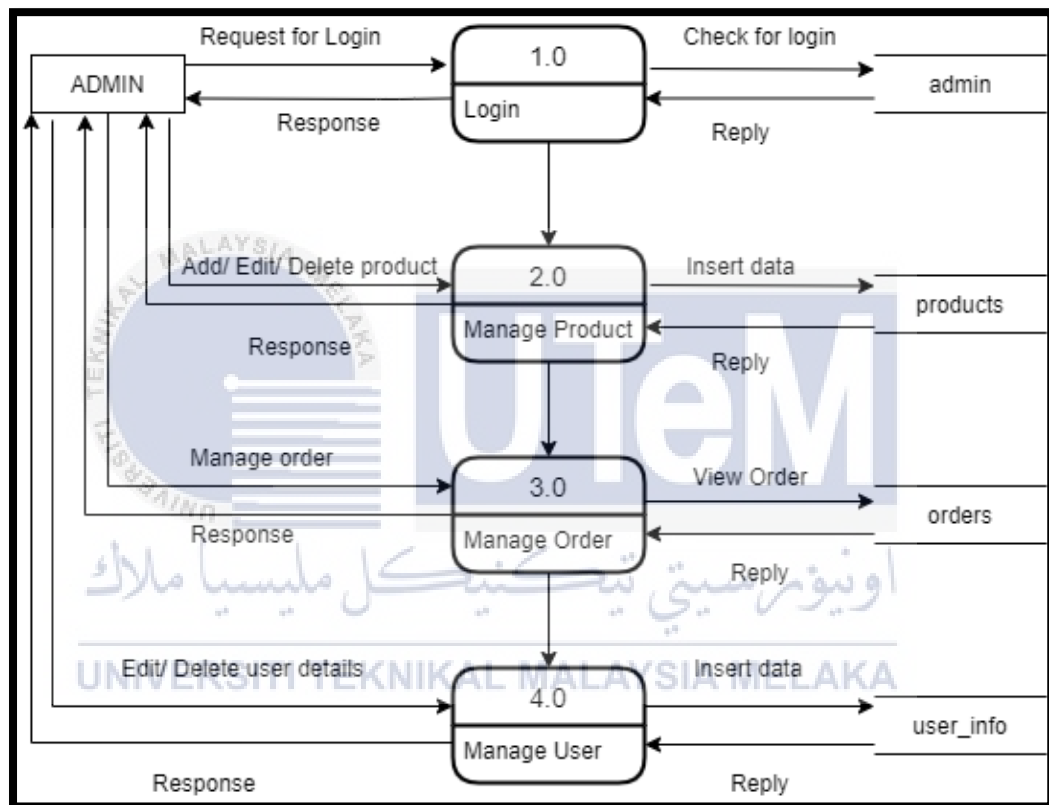
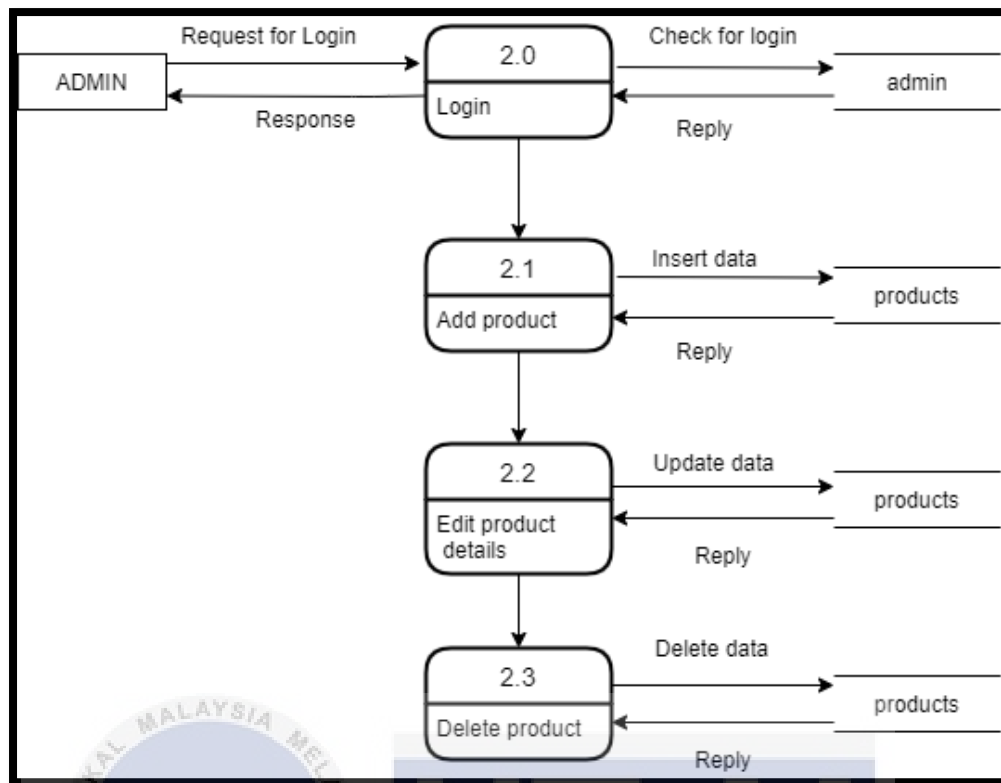
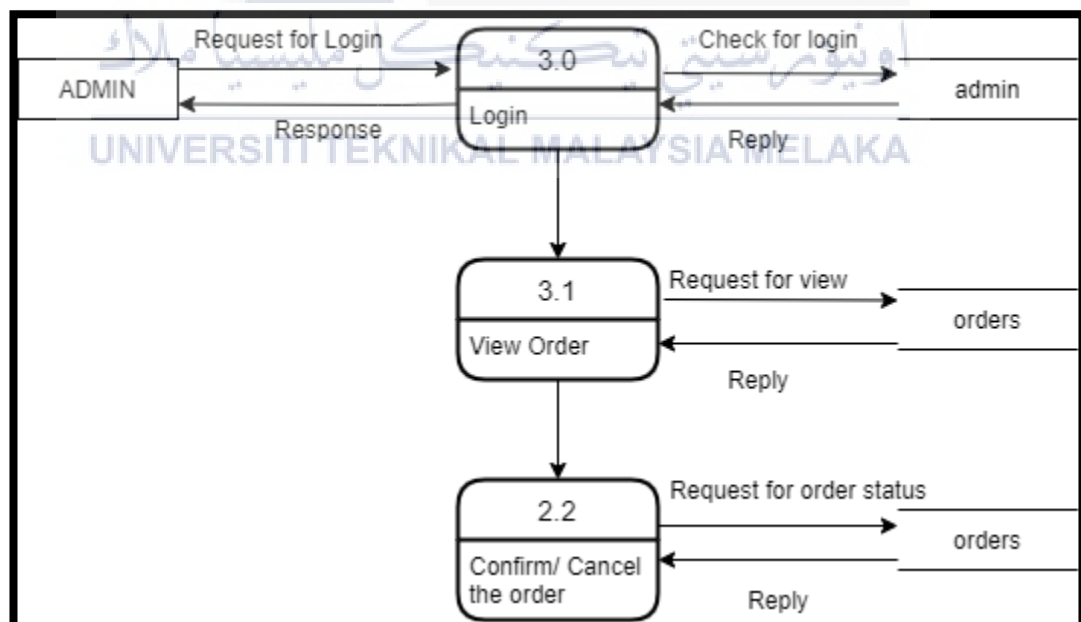
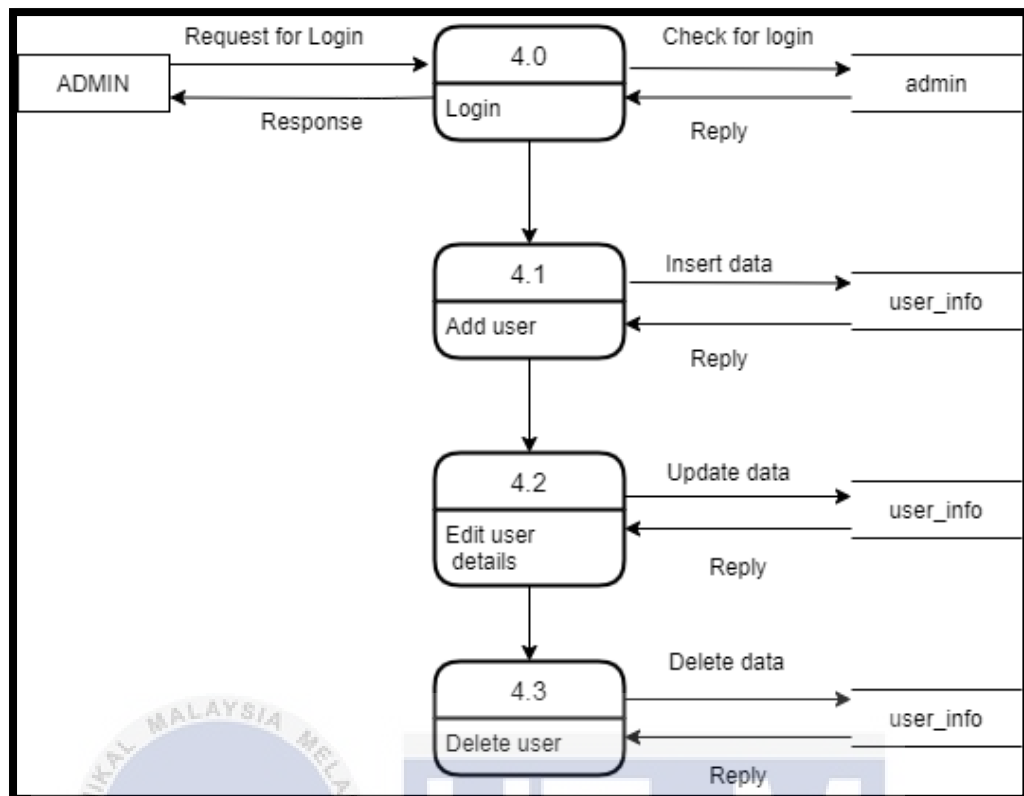
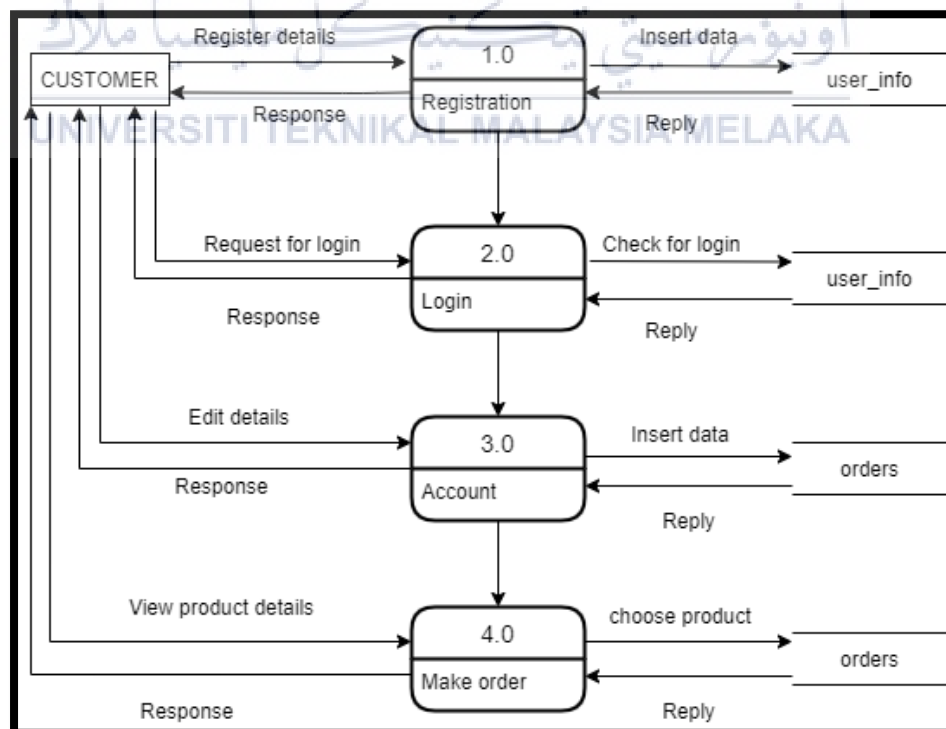
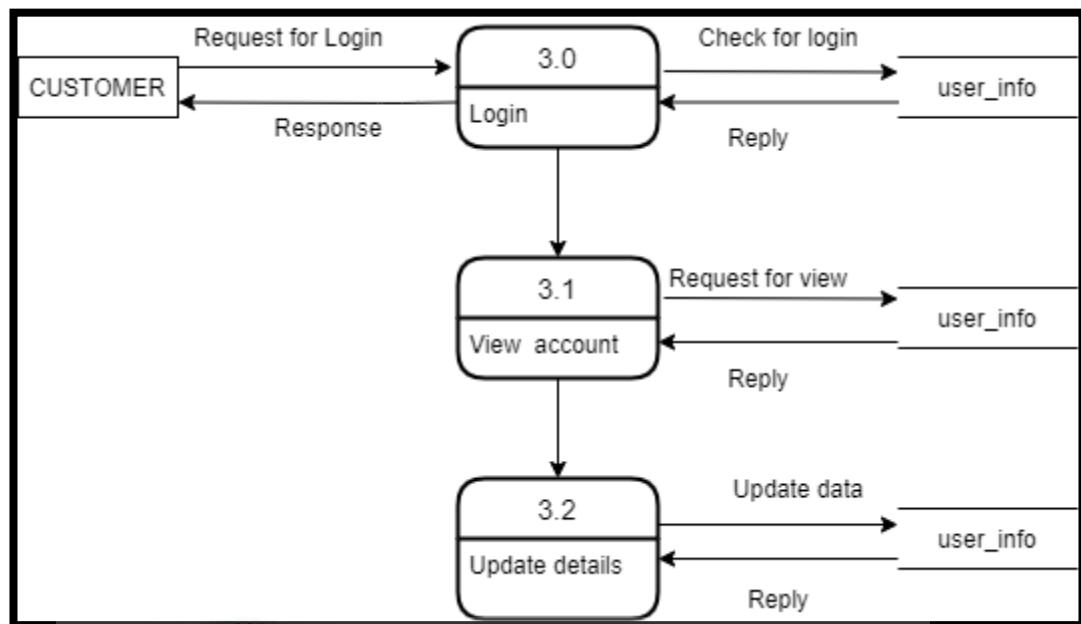
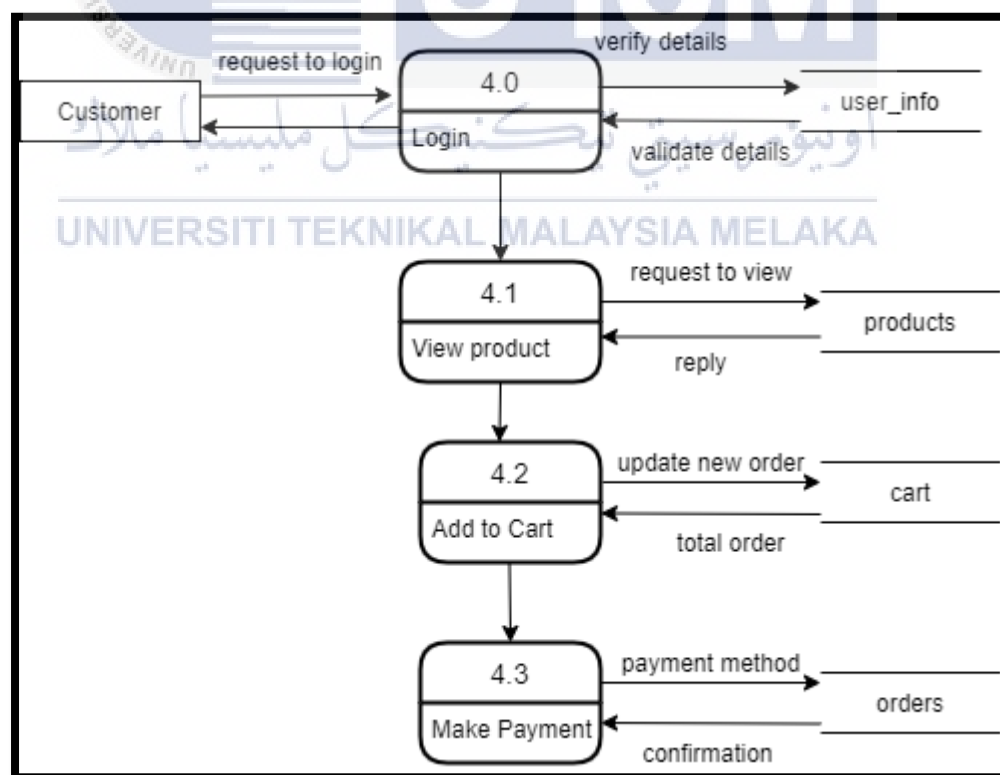


Figure 4.16: DFD Admin 1st level

Figure 4.17: DFD Admin 2nd level 2.0Figure 4.18: DFD Admin 2nd level 3.0

Figure 4.19: DFD 2nd level 4.0Figure 4.20: DFD Customer 1st level

Figure 4.21: DFD Customer 2nd level 3.0Figure 4.22: DFD Customer 2nd level 4.0

4.3.2 Physical Database Design

```
SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
SET AUTOCOMMIT = 0;
START TRANSACTION;
SET time_zone = "+00:00";
```

```
--
-- Database: `tnf_db`
--
```

```
--
-- Table structure for table `admin`
--
```

```
CREATE TABLE `admin` (
  `id` int(11) NOT NULL,
  `name` varchar(50) NOT NULL,
  `email` varchar(100) NOT NULL,
  `password` varchar(255) NOT NULL,
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

```
--
-- Dumping data for table `admin`
--
```

```
INSERT INTO `admin` (`id`, `name`, `email`, `password`) VALUES
(3, 'Admin', 'admin@gmail.com', 'admin123'),
```

```
--
-- Table structure for table `cart`
--
```

```
CREATE TABLE `cart` (
  `id` int(10) NOT NULL,
  `p_id` int(10) NOT NULL,
  `ip_add` varchar(250) NOT NULL,
  `user_id` int(10) DEFAULT NULL,
  `qty` int(10) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

```
--
-- Table structure for table `orders`
--
```

```
CREATE TABLE `orders` (
  `date` datetime NOT NULL,
  `order_id` int(11) NOT NULL,
  `user_id` int(11) NOT NULL,
  `product_id` int(11) NOT NULL,
  `qty` int(11) NOT NULL,
  `trx_id` varchar(255) NOT NULL,
  `p_status` varchar(20) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

```
--
-- Dumping data for table `orders`
--
```

```
INSERT INTO `orders` (`date`, `order_id`, `user_id`, `product_id`, `qty`, `trx_id`, `p_status`) VALUES
(2021-06-18 12:36:49, 3, 3, 2, 2, '17L763175J518912W', 'Completed'),
(2021-06-23 19:26:15, 4, 3, 1, '4L316538RJ360273X', 'Completed');
```

```
--
-- Table structure for table `products`
--
```

```
CREATE TABLE `products` (
  `product_id` int(100) NOT NULL,
  `product_title` varchar(255) NOT NULL,
  `product_price` int(100) NOT NULL,
  `product_desc` text NOT NULL,
  `product_image` text NOT NULL,
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

```
--
-- Dumping data for table `products`
--
```

```
INSERT INTO `products` (`product_id`, `product_title`, `product_price`, `product_desc`, `product_image`) VALUES
(2, `Kiddit`, 98, 'Bantu tambah selera makan anak dalam masa 1 minggu.', `kiddit.png`),
(3, `Gardee`, 120, 'Membantu melancarkan sistem pencernaan dan keselesaan perut', `gardee_p.png`),
```

```
(5, `Stizer`, 20, ' Sembur pada mainan anak dan lap dengan kain bersih.', `Stizer_p.png`),
(6, `Handibac`, 20, ' Hand Sanitizer. Lavender Scent.', `Handtibac 2.png`),
(12, `Mosqute`, 20, ' Lindungi anak dari nyamuk sehingga 3 jam.', `Mosqute .png`);
```

```
--
-- Table structure for table `user_info`
--
```

```
CREATE TABLE `user_info` (
  `user_id` int(10) NOT NULL,
  `first_name` varchar(100) NOT NULL,
  `last_name` varchar(100) NOT NULL,
  `email` varchar(300) NOT NULL,
  `password` varchar(300) NOT NULL,
  `mobile` varchar(10) NOT NULL,
  `address1` varchar(300) NOT NULL,
  `address2` varchar(11) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

```
--
-- Dumping data for table `user_info`
--
```

```
INSERT INTO `user_info` (`user_id`, `first_name`, `last_name`, `email`, `password`,
`mobile`, `address1`, `address2`) VALUES
(1, 'fairuza', 'syahira', 'syahira@gmail.com', '971008Fa!', '0125927515', 'Bagan Datoh', 'Perak'),
(3, 'Nur', 'Izz', 'izz@gmail.com', 'izz1234567', '0122345677', 'Hutan Melintang', 'Perak');
```

```
--
-- Indexes for dumped tables
--
```

```
--
-- Indexes for table `admin`
--
```

```
ALTER TABLE `admin`
  ADD PRIMARY KEY (`id`),
  ADD UNIQUE KEY `email` (`email`);
```

```
--
-- Indexes for table `cart`
--
```

```
ALTER TABLE `cart`
```

```

ADD PRIMARY KEY (`id`);

--
-- Indexes for table `orders`
--
ALTER TABLE `orders`
  ADD PRIMARY KEY (`order_id`);

--
-- Indexes for table `products`
--
ALTER TABLE `products`
  ADD PRIMARY KEY (`product_id`),

--
-- Indexes for table `user_info`
--
ALTER TABLE `user_info`
  ADD PRIMARY KEY (`user_id`);

--
-- AUTO_INCREMENT for dumped tables
--
--
-- AUTO_INCREMENT for table `admin`
--
ALTER TABLE `admin`
  MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=8;

--
-- AUTO_INCREMENT for table `cart`
--
ALTER TABLE `cart`
  MODIFY `id` int(10) NOT NULL AUTO_INCREMENT;

--
-- AUTO_INCREMENT for table `orders`
--
ALTER TABLE `orders`
  MODIFY `order_id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=5;

--
-- AUTO_INCREMENT for table `products`
--
ALTER TABLE `products`

```

```

MODIFY `product_id` int(100) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=6;

--
-- AUTO_INCREMENT for table `user_info`
--
ALTER TABLE `user_info`
MODIFY `user_id` int(10) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=3;

```

4.4 Conclusion

In conclusion, this chapter explained all the system design for all the system. From database design, data flow diagram and the interface for the system. All the design is use as a guideline for the system to develop. From the data flow diagram can know the flow for the whole system. Then explanation for every attribute in the dataset table to help develop know use of the attribute.

CHAPTER 5. IMPLEMENTATION

5.1 Introduction

In this chapter will explain the implementation use to develop this system. TNFOS system follows the deployment diagram of web base application which explain how the system will be. Also, in this chapter explain the extension that need to be install when use Visual Studio Code as the code editor for the PHP language. It has the list of the advantage of the extension that was install. Then it has the method that developer uses to manage the source to make sure developer easy to understand about the code. Lastly it has a table that show progress of development status.

5.2 Software Development Environment setup

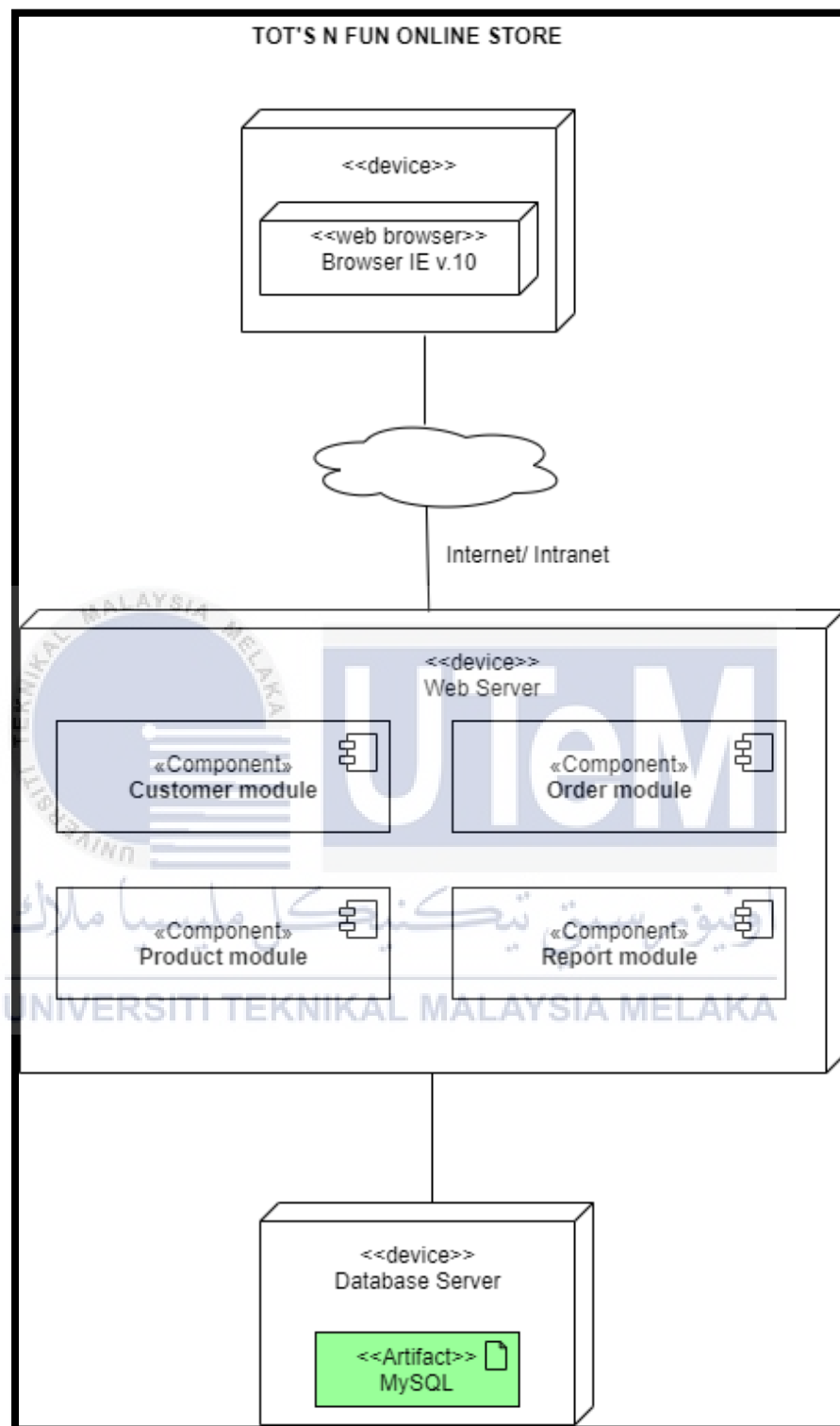


Figure 5.1: Deployment Diagram

Figure 5.1 show the deployment diagram for this project which is based on web server. Deployment diagram is a type of the diagram that specifies the physical hardware on which the software system will be execute. User can use the system in a browser through the internet or intranet. It has four module that need to be develop for this system which are Customer module, Order module, Product module and Report module. This system also has database call tnf_db that store all the data about the system. To manage the data, the software that was use is Xampp that provide tool such as MySQL and phpMyAdmin that can manage all the data in the database.

5.3 Software Configuration Management

5.3.1 Configuration environment setup

The code editor that was used to develop this project is Visual Studio Code. To use PHP language in Visual Studio code must install PHP Debug (Xdebug). Xdebug is PHP extension which provides debugging and profiling capabilities. It uses the DBGp debugging protocol. This tool is responsible to enable the debugging on PHP and give more advantage.

Xdebug provide many information as the advantage such as has stack and function traces in error message. The message will display:

- Full parameter for user defined function
- Function name, file name and line indications
- Support for member functions
- Memory allocation
- Protection for infinite recursions.

This extension is important to install because it can handle the debugging options when developer want to debug the code.

5.3.2 Version Control Procedure

To manage the source the method was do is make a note or comment. In every file of the code there are many comments to make sure it is for developer to now the code is what for. The comment was at the beginning of the code. If there are some new ideas or features that want to replace the current feature the code will be comment and developer can create a new code replacement. This method is used to backup if the coding for new idea does not work that the system will use the previous features.

5.4 Implementation

Table 5.1: Progress of The Development Status

Component/ module	Description	Duration to complete	Date complete
User (Customer)			
<u>Customer module</u>			
Interface for index.php	This is a page user(customer view when open the system) <ul style="list-style-type: none"> • Create navigation bar • Put banner of the store. • Add the advertisement of the product. 	1 week	23/4/2021
Registration and login page	User can enter the details. Use form (Input group from the bootstrap)	2 days	25/4/2021
My account page	It display all the user information. User can update the information	1 days	1/8/2021
<u>Product module</u>			

Product page	Display all the product. It has product name and product description. User can use button Add to Cart to buy the product.	6 days	5/5/2021
<u>Order module</u>			
Cart function	Quantity of the cart will be added when user click button Add to Cart (Navigation bar)	5 days	11/5/2021
Edit cart	Make a table that list all the product information that user chooses. User can add the quantity of the product and can cancel the cart of the product.	3 days	14/5/2021
Checkout button	This button will link with the paypal which the method of the payment	3 days	20/5/2021
Order button in navigation bar	This button link to order page which display all the user's order.	1 day	22/5/2021
About us page	Must have the company background, phone number, social media address and map.	2 days	23/5/2021
Admin			
Login page	Only the correct username and password can login the system	1 days	24/5/2021
Create navigation bar	Must have dashboard, order details, product details, user details, report and logout button.	4 days	25/5/2021
Dashboard page	Have some card that display total order, total product and graph of the product that was	4 days	30/5/2021

	sold.		
Product page	Table of the product details. Admin can add new product by click the button. Admin can update the product details or remove the product.	5 days	4/6/2021
Order page	Table of the order list. Admin can search by user ID to know how much product that the ID buy.	5 days	9/6/2021
Filter order	Admin can filter order between 2 date	2	31/7/2021
User details page	Table of user details. Admin can find the user details by searching using the ID	5 days	15/6/2021
Report page	Display the total for every product that was sold.	1 weeks	15/8/2021
Quantity products reduce	Quantity of the product will be reduced when customer buy the product.	3 days	16/8/2021

5.5 Conclusion

In conclusion, this chapter explain all the method need to be implemented to develop this TNFOS system. All the method is important to control and manage the implementation during the development to make sure that the system develop correctly as a propose. Also, to make sure the development time not over the due date. At the next chapter will explain about the testing.

CHAPTER 6. TESTING

6.1 Introduction

Testing is the important part in system development. The purpose does a testing is to evaluate the end-to-end system specifications. In this chapter we have explain about test plan, test strategy and test design for this project. In the test plan there are test organization, test environment and test schedule that were use for the project. Testing tool that was used for this project is white box and black box testing.

6.2 Test Plan

6.2.1 Test Organization

Test organization is a procedure to define the roles in the testing process. This test to defines who is responsible for which activities in the testing process. The testing level use for this project are test by the person who wrote the test plan and test by a person from outsourced such as a client.

The roles in test process are:

- i. Test Manager

Test managers need to have software test and quality management skill to make sure can plan, monitor, and control the testing. This skill is important to make sure the testing process run smoothly.

ii. Test Designer

As a test designer must design the test case for the project. The test case is use as a guideline during the testing process.

iii. Tester

Tester must use the test case to test functionality in this project. The tester that includes for this project is programmer and client. Clients need to test to make sure that the project is meet the client requirement.

6.2.2 Test Environment

Test environment is a platform, specifically build for test case implementation and execution on the software product. It is created by integrating hardware and software along with proper network configuration and necessary setting.

There are a few things that will be test for this project. Firstly, for the hardware device that can be used for this software product. This to check either the system can be use in computer or laptop only or can use also by mobile phone. Then, to test the network connectivity for this product. This product must use network to use it so network connectivity is very important.

Next, the operating system uses to use the system. This system suitable for user that use window 7 and above. Therefore, tester engineer must check that the

system can be use or not in window 7 and above. Lastly, make sure that the database is function because the database will store all the details relate to the system.

6.2.3 Test Schedule

Table 6.1: Test Schedule

Project Name:	Tot's N Fun Online Store	Designed by:	Nur Fairuza Syahira
Release Version:	1.0	Design date:	20/7/2021
Review by:	Nur Fairuza Syahira	Review date:	27/7/2021
Test Step	Start Date	End Date	Responsibility
Test Planning			
Design test plan	21/7/2021	23/7/2021	Test manager
Review/ approve plan	23/7/2021	23/7/2021	Test manager
Test Case Design			
Design function test	24/7/2021	26/7/2021	Test designer
Create use case	27/7/2021	29/7/2021	Test designer
Review/ approve design	29/7/2021	29/7/2021	Test manager
Test Development			
Develop test scripts	30/7/2021	30/7/2021	Tester
Review/ approve design	2/8/2021	2/8/2021	Tester
Conduct system Testing			
Complete system test plan	3/8/2021	3/8/2021	Testing team
Complete System Test Cases	4/8/2021	5/8/2021	Testing team
Review/ Approve System Tests	6/8/2021	6/8/2021	Test manager
Execute the System Tests	9/8/2021	9/8/2021	Testing team

6.3 Test Strategy

To make the successful project, type of testing that will do for this project is black box and white box testing. Black box testing is a method to derive the test

cases based on the functionality of the system or application and it does not consider the internal structure of the system. While white box testing is technique to select test cases based on an analysis of the internal structure of a component or system

6.3.1 Classes of tests

Table 6.2: Functional Requirement Test

Functional Requirement Test	
Customer Module	
C1.1	Verify the system need user login to checkout the item from the cart.
C1.2	Verify user need to register before login the system.
C1.3	Verify user can cancel the item before do the checkout.
C1.4	Verify user can buy any product from the system.
C1.5	Validate the system will reject when user use incorrect username and password.
C1.6	Validate user can update the information details in My Account page.
C1.7	Validate user can edit the cart product before the checkout.
C1.8	Verify the system will be display customer details when admin filter by the user ID.
Order Module	
O1.1	Verify admin can see all the order data from All Details order page.
O1.2	Verify admin can filter the order between two date.
O1.3	Verify admin can filter the order by user ID.
O1.4	Validate the system will be display order details for the customer after make the payment.
Product module	
P1.1	Validate new product will be display in product page (Customer view) when admin add new product.
P1.2	Verify the system update the new details when admin update product details.
P1.3	Verify the system will be delete the product details when admin delete it.

Report Module
R1.1 Validate the system can display the order report by date for admin.
R1.2 Validate the system will be display order report by month for admin.

Table 6.3: Non-Functional Requirement Test

Non-Functional Requirement Test
Performance
P1.1 Validate the database will be updating in less than 3 second after inserting data.
Reliability
R1.1 Verify the system must update product details and customer details after updating process.
Compatibility
C1.1 Verify the system can be run on Window 7 and above.
Security
S1.1 Validate the system authentication working correctly.
S1.2 Verify the user (Customer) can update their data only.
S1.3 Verify the user (Admin) only can update product details.
Usability
U1.1 Verify the system must be easy to use with the easy interfaces to understand.
Implementation
I1.1 Verify the system developed using Visual Studio Code.
I1.2 Verify the system use Xampp as a server.
I1.3 Verify the system use PHP as a programming language.
I1.4 Verify the system using HTML to make the interface
I1.5 Verify the system use phpPMyAdmin as a database.

6.4 Test Design

6.4.1 Test Description

Table 6.4: Test Description Customer Module

Customer Module		
Test Case	Test Summary	Expected Result
C1.1	Customer need to has an account to login the system before can checkout the item in cart.	Customer can do the checkout after login the system.
C1.2	Customer need to register the account for the login system.	System will display login page.
C1.3	To test that customer can cancel the item in the cart.	System will delete the remove item from the list cart.
C1.4	Customer can add to cart any product from the system.	The selected product will be added in cart list.
C1.5	The system will reject when customer enter incorrect username or password.	System will display warning message.
C1.6	To test customer can edit or update their information details.	System will display successful message.
C1.7	To test that customer can edit remove or add quantity in cart list before the checkout.	The cart details will be update when customer update the quantity and the product will be delete when customer cancel it.
C1.8	To test admin can filter the customer details by user ID.	System will display the customer details by the user ID that admin enter.

Table 6.5: Test Description Order Module

Order Module		
Test Case	Test Summary	Expected Result
O1.1	To test the system can display all order details when admin All Details in order page.	System will display all order details from the customer.
O1.2	To check system can filter the order when admin enter two date.	System will display all order between the date choosen.
O1.3	To check system can filter the order by the user ID.	System will display all order by the user ID that admin enter.
O1.4	The system can display order details when customer click Order in menu.	System will display all order details history.

Table 6.6: Test Description Product Module

Product Module		
Test Case	Test Summary	Expected Result
P1.1	To check that the system can display the same product details when admin add or update the product from admin page in customer product page.	System will display the same product details in admin page and customer page.
P1.2	To test system can update the product details when admin update the product details.	System will update the product details.
P1.3	To check the system can delete the product details when admin delete the choosen product.	System will delete the choosen product.

Table 6.7: Test Description Report Module

Report Module		
Test Case	Test Summary	Expected Result
R1.1	To test the system can display order report by date.	System will display all the order details by date.
R1.2	To test the system can display order report by month.	System will display all the order details by month.

6.4.2 Test Data

Table 6.8: Test Data Customer Module

Customer Module			
Test Case	Test Summary	Expected Result	Test Data
C1.1	Customer need to has an account to login the system before can checkout the item in cart.	Customer can do the checkout after login the system.	Email: aisy@gmail.com Password: aisy12345
C1.2	Customer need to register the account for the login system.	System will display login page.	First name: Mia Last name: Ila Email: miaila@gmail.com Password: miaila12345 Re-enter password: miaila12345 Mobile: 0122123456 Address 1: Segamat Address 2: Johor
C1.3	To test that customer can cancel the item in the cart.	System will delete the remove item from the list cart.	Delete product no 2

C1.4	Customer can add to cart any product from the system.	The selected product will be added in cart list.	Add to Cart “Kiddit”
C1.5	The system will reject when customer enter incorrect username or password.	System will display warning message.	Email: mia@gmail.com Password: 12345
C1.6	To test customer can edit or update their information details.	System will display successful message.	Address 1: Ipoh Address 2: Perak
C1.7	To test that customer can edit remove or add quantity in cart list before the checkout.	The cart details will be update when customer update the quantity and the product will be delete when customer cancel it.	Change quantity to 3 for product no 1 in cart list.
C1.8	To test admin can filter the customer details by user ID.	System will display the customer details by the user ID that admin enter.	User ID = 5

Table 6.9: Test Data Order Module

Order Module			
Test Case	Test Summary	Expected Result	Test Data
O1.1	To test the system can display all order details when admin All Details in order page.	System will display all order details from the customer.	Click “All Details” in order Menu
O1.2	To check system can	System will display	1st date : 28 /8/2021

	filter the order when admin enter two date.	all order between the date choosen.	2nd date : 1/9/2021
O1.3	To check system can filter the order by the user ID.	System will display all order by the user ID that admin enter.	User ID = 7
O1.4	The system can display order details when customer click Order in menu.	System will display all order details history.	Customer click "Order in menu"

Table 6.10: Test Data Product Module

Product Module			
Test Case	Test Summary	Expected Result	Test Data
P1.1	To check that the system can display the same product details when admin add or update the product from admin page in customer product page.	System will display the same product details in admin page and customer page.	Change quantity for product ID 2 to 100.
P1.2	To test system can update the product details when admin update the product details.	System will update the product details.	Change product ID 3 Price = RM 15
P1.3	To check the system can delete the product details when admin delete the choosen product.	System will delete the choosen product.	Delete product ID 9.

Table 6.11: Test Data Report Module

Report Module			
Test Case	Test Summary	Expected Result	Test Data
R1.1	To test the system can display order report by date.	System will display all the order details by date.	-
R1.2	To test the system can display order report by month.	System will display all the order details by month.	-



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6.5 Test Results and Analysis

Project Name:	Tot's N Fun Online Store	Test Designed by:	Nur Fairuza Syahira
Module Name:	Customer module	Test Design date:	8/8/2021
Release Version:	1.0	Test Executed by:	Nur Fairuza Syahira
		Test Execution date:	9/8/2021
Pre-Condition:	Customer must open the system		
Dependencies:	-		
Test Priority:	High		

Test Case	Test Title	Test Summary	Test Steps	Test Data	Expected Result	Post-Condition	Actual Result	Status
C1.1	Login	Customer need to has an account to login the system before can checkout the item in cart.	<ol style="list-style-type: none"> 1. Click Login 2. Enter email and password 3. Click Submit 	Email: aisy@gmail.com Password: aisy12345	Customer can do the checkout after login the system.	Customer can checkout the system	As expected	Pass
C1.2	Register	Customer need to register the account for the login system.	<ol style="list-style-type: none"> 1. Click "Create a new account?" 2. Fill in all the details. 	First name: Mia Last name: Ila Email: miaila@gmail.com Password: miaila12345	System will display login page.	Login page displayed	As expected	Pass

				Re-enter password: miaila12345 Mobile: 0122123456 Address 1: Segamat Address 2: Johor				
C1.3	Cancellation product	To test that customer can cancel the item in the cart.	<ol style="list-style-type: none"> 1. Click icon cart. 2. Click "Edit". 3. Click remove icon. 	Delete product no 2	System will delete the remove item from the list cart.	The product was deleted.	As expected	Pass
C1.4	Add to cart	Customer can add to cart any product from the system.	<ol style="list-style-type: none"> 1. Click "Product". 2. Choose product want to buy. 3. Click "Add to cart". 	Add to Cart "Kiddit"	The selected product will be added in cart list.	The product was added in cart list	As expected	Pass
C1.5	Login	The system will reject when customer enter incorrect username or password.	<ol style="list-style-type: none"> 1. Click Login 2. Enter email and password 3. Click Submit 	Email: mia@gmail.com Password: 12345	System will display warning message.	System displayed warning message.	As expected	Pass
C1.6	My account	To test customer can edit or update their	<ol style="list-style-type: none"> 1. Click "My Account" 2. Click "Edit" 3. Edit any 	Address 1: Ipoh Address 2: Perak	System will display successful message.	The system displayed successful message.	As expected	Pass

		information details.	4. Click “Update”.					
C1.7	Add to Cart	To test that customer can edit remove or add quantity in cart list before the checkout.	<ol style="list-style-type: none"> 1. Click cart icon. 2. Click “Edit”. 3. Update quantity. 4. Click tick icon. 	Change quantity to 3 for product no 1 in cart list.	The cart details will be update when customer update the quantity and the product will be delete when customer cancel it.	The details were updated.	As expected	Pass
C1.8	Customer Details (Admin)	To test admin can filter the customer details by user ID.	<ol style="list-style-type: none"> 1. Click “Customer Details”. 2. Choose “Search by User ID”. 3. Enter user ID. 4. Click search. 	User ID = 5	System will display the customer details by the user ID that admin enter.	System displayed customer details.	As expected	Pass

Project Name:	Tot's N Fun Online Store	Test Designed by:	Nur Fairuza Syahira
Module Name:	Order module	Test Design date:	8/8/2021
Release Version:	1.0	Test Executed by:	Nur Fairuza Syahira
		Test Execution date:	9/8/2021
Pre-Condition:	Customer must add to cart the product. Admin must login the system.		
Dependencies:	-		
Test Priority:	High		

Test Case	Test Title	Test Summary	Test Steps	Test Data	Expected Result	Post-Condition	Actual Result	Status
O1.1	Order	To test the system can display all order details when admin All Details in order page.	<ol style="list-style-type: none"> 1. Click "Order Details". 2. Click "All Details" 	Click "All Details" in order Menu	System will display all order details from the customer.	System displayed all order details.	As expected	Pass
O1.2	Filter order	To check system can filter the order when admin enter two date.	<ol style="list-style-type: none"> 1. Click "Order Details". 2. Choose "Search by Date" 3. Choose date. 	1st date : 28 /8/2021 2nd date : 1/9/2021	System will display all order between the date choosen.	System displayed all order details.	As expected	Pass
O1.3	Filter order	To check system can filter the	<ol style="list-style-type: none"> 1. Click "Order Details". 2. Choose 	User ID = 7	System will display all order by the	System displayed all order details.	As expected	Pass

		order by the user ID.	“Search by User ID” 3. Enter User ID. 4. Click search		user ID that admin enter.			
O1.4	Order (Customer)	The system can display order details when customer click Order in menu.	1. Click “Hi, Aisy”. 2. Click Order	Customer click “Order in menu”	System will display all order details history.	System displayed all order details.	As expected	Pass

Project Name:	Tot’s N Fun Online Store	Test Designed by:	Nur Fairuza Syahira
Module Name:	Product module	Test Design date:	8/8/2021
Release Version:	1.0	Test Executed by:	Nur Fairuza Syahira
		Test Execution date:	9/8/2021
Pre-Condition:	Admin must login the system.		
Dependencies:	-		
Test Priority:	High		

Test Case	Test Title	Test Summary	Test Steps	Test Data	Expected Result	Post-Condition	Actual Result	Status
P1.1	Product display	To check that the system can display the same product	1. Click “Product Details”. 2. Choose product want to change the details.	Change quantity for product ID 2 to 100.	System will display the same product details in admin page	New details was display in product page for customer.	As expected	Pass

		details when admin add or update the product from admin page in customer product page.	<ol style="list-style-type: none"> 3. Click "Edit" 4. Enter new details. 5. Click "Update" 		and customer page.			
P1.2	Update Product	To test system can update the product details when admin update the product details.	<ol style="list-style-type: none"> 1. Click "Product Details". 2. Choose product want to change the details. 3. Click "Edit" 4. Enter new details. Click "Update" 	Change product ID 3 Price = RM 15	System will update the product details.	New details were updated.	As expected	Pass
P1.3	Delete Product	To check the system can delete the product details when admin delete the chosen product.	<ol style="list-style-type: none"> 1. Click "Product Details". 2. Choose product want to change the details. 3. Click "Delete" 	Delete product ID 9.	System will delete the chosen product.	System was delete the product.	As expected	Pass

Project Name:	Tot's N Fun Online Store	Test Designed by:	Nur Fairuza Syahira
Module Name:	Report module	Test Design date:	8/8/2021
Release Version:	1.0	Test Executed by:	Nur Fairuza Syahira
		Test Execution date:	9/8/2021
Pre-Condition:	Admin must login the system.		
Dependencies:	-		
Test Priority:	High		

Test Case	Test Title	Test Summary	Test Steps	Test Data	Expected Result	Post-Condition	Actual Result	Status
R1.1	View report	To test the system can display order report by date.	<ol style="list-style-type: none"> 1. Click "Report". 2. Choose "By Date" 	-	System will display all the order details by date.	System displayed all the order	As expected	Pass
R1.2	View report	To test the system can display order report by month.	<ol style="list-style-type: none"> 1. Click "Report". 2. Choose "By Month" 	-	System will display all the order details by month.	System displayed all the order	As expected	Pass

6.6 Conclusion

Testing is important to make sure the system meet all the requirement through it is a crucial stage in the system development life cycle. When do the testing it can help to find important detect which unit and integration testing could not detect. From that programmer can fix the bug that was found. Testing also has a high-cost value because it will be start when all component in the system is ready.

In conclusion, based on the result tested, some action will be taken to improve and fix the system to ensure a high-quality product can be produced.



CHAPTER 7. CONCLUSION

7.1 Observation on Weaknesses and Strengths

TNFOS is a simple online store system that can make the Alfat Global Sdn Bhd get more profit compare the previous method. If before this company use Facebook as a platform to promote and get customer now with this TNFOS system, it can help them. There are a few weaknesses and strengths from this system.

The weakness of the TNFOS is customer can't know the status of their product. It means customer can't know if the item has been delivering or not. If the item has delivered it don't have a status where the item has been. Next is at the report part admin can't filter the report. For example, admin can't filter the current date of the order. With this functionality it can make admin more easily to organize the report. Lastly, the interface system for admin not attractive. For example, at Dashboard Page. The graph can be more colourful to make the user more attract when see the graph for the sales.

The strengths of the TNFOS are admin can organize the order well. This is because after customer make an order which after making a payment, the order details save in order details list. Admin no need to key the item that customer buy. It also can save the time. Next in a dashboard, admin can see the total order for that day. From that, admin can make sure the total of the parcel need to delivery is same

with the total order to make sure there are not order that missing. Finally, customer can view the advertisement about all product when use TNFOS system. This because, when customer use this system the first page that will be display is all the advertisement about the product that company sell. From that, customer can understand the function and benefit for every product for sale.

7.2 Propositions for Improvement

There are some suggestions that can be make for TNFOS to make it more complex. Firstly, use a colourful colour for the system. Since TNFOS is a system that sell the product that can help kid more appetite and sell many products that related to kid therefore use a colourful colour is a good idea to make the system more attractive even usually parent used the system. This idea to make parent more trusted to the seller that product is good for their kids.

Next is put the item status. This status is for customer to view the status of their product make a payment. The system can display “Sender prepare the item” or “The item has been delivery”. With this function can make customer easily to track their product.

Lastly, make the function that customer can inform the seller that the item is receive. From that admin can trace if there is any product that didn’t receive to the customer. Customer also can give their feedback about the product.

7.3 Project Contribution

TNFOS give many benefits for the Alfat Global Sdn Bhd. With this system the company can get more customer. The method that the company use before this is by chatting and reply one by one order customer is difficult and maybe can make the staff or admin stress. This is because there are a few messages receive at the same time and need to reply if not maybe they can miss their customer. Therefore, with this TNFOS, admin can more relax and focus to order work. Admin can make the order more organize and it can avoid from customer angry to them because not reply to the message or late reply.

When use TNFOS customer can choose the product they want to buy can make payment. Customer can view all the details of the product such as the price and product description. Before that, need to register and login the system. Admin also can save customer details properly.

View user manual in Appendix A.

7.4 Conclusion

In a conclusion TNFOS can make Alfat Global Sdn Bhd more famous with the product sold. The product that can help kid more appetite and other product that suitable for the kids. Such as the objectives states earlier the TNFOS can increase the company benefit. Customer can buy any product from the TNFOS without chatting and waiting for the reply from the staff. Also, this system help admin to manage customer order with the list of the order details that will be update when customer make an order. In a nutshell, TNFOS can give many benefits for admin an customer when use it.

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Hush Puppies 2021, accessed 21 April 2021, <<https://www.hushpuppies.com/US/en/womens-loafers/>>

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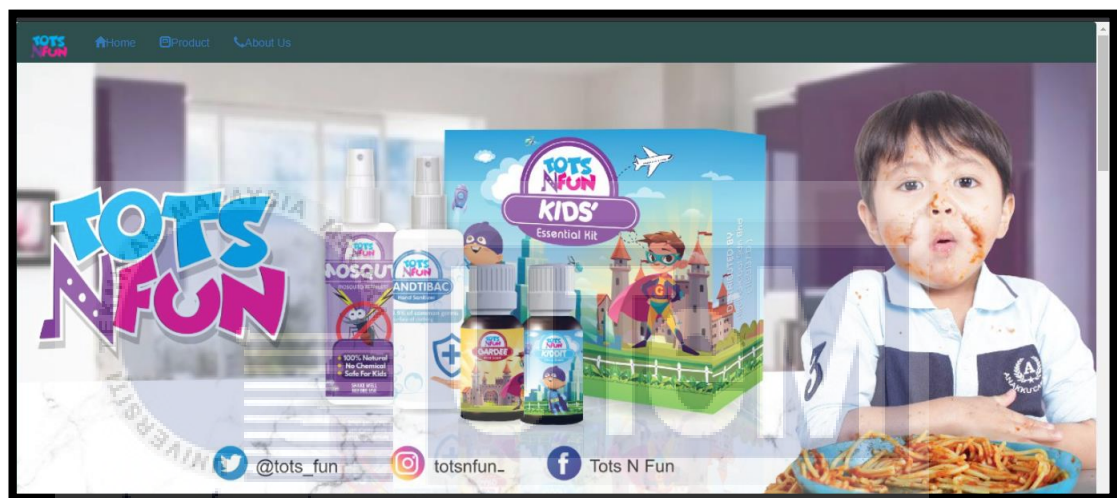
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APPENDIX A: USER MANUAL

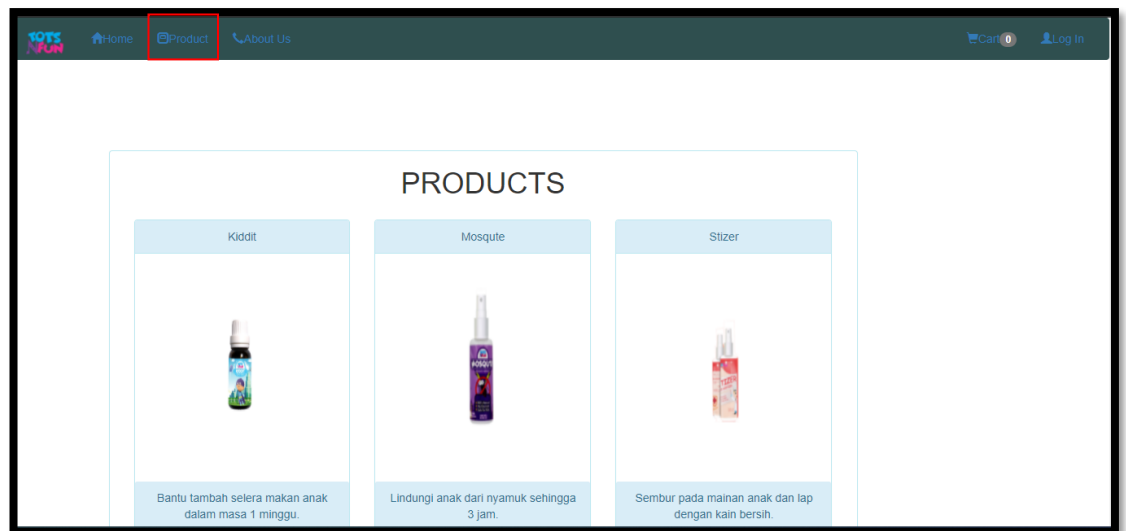
Customer User



Customer will see home page when open the system. To view the product sold, customer can choose Product and to know about the company can choose About Us.

Buy The Product

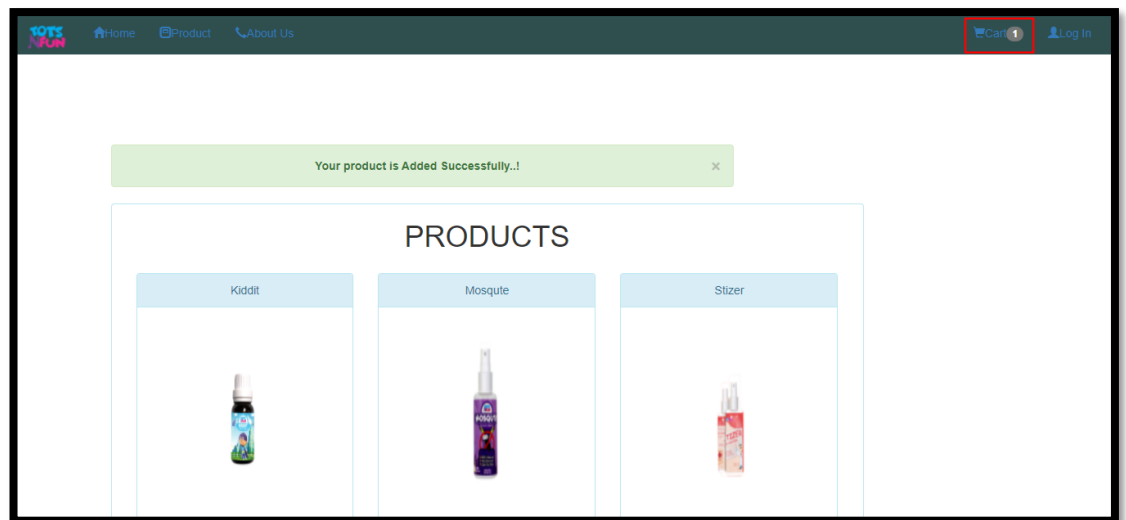
1. Customers need to click “Product” and all the products will be display.



2. Then choose the product want to buy and click “Add to cart”. And successful message will appear.



3. Quantity in a cart also will be added.






4. To edit the cart can click “Cart” then click “Edit”.



5. After that checkout details will be display. Customer can edit the quantity then click icon tick at action to update the quantity. If want to cancel can click icon remove. The click Ready to Checkout to make a payment.

CHECKOUT DETAILS

Action	Product Image	Product Name	Quantity	Product Price	SubTotal RM
 		Mosquite	1	20	20

Total : RM 20

[Ready to Checkout](#)

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6. If customer didn't login the system can login then make a payment. But it customer don't have an account need to create new account.

Customer Login Form

Email

Password

[Forgotten Password](#)

[Create a new account?](#)

[Login](#)

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7. Customer must fill in all the details for the registration. Then login the system.



Customer SignUp Form

First Name	Last Name
<input type="text"/>	<input type="text"/>
Email	
<input type="text"/>	
password	
<input type="text"/>	
Re-enter Password	
<input type="text"/>	
Mobile	
<input type="text"/>	
Address Line 1	
<input type="text"/>	
Address Line 2	
<input type="text"/>	

[Sign Up](#)

8. Click Paypal Check out to make a payment.

CHECKOUT DETAILS

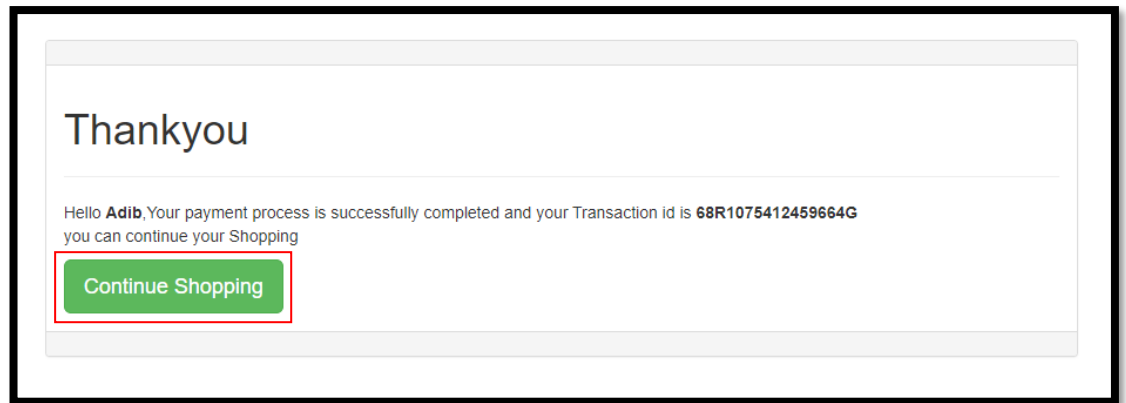
Action	Product Image	Product Name	Quantity	Product Price	SubTotal RM
 		Mosque	1	20	20

Total : RM 20

[PayPal Check out](#)

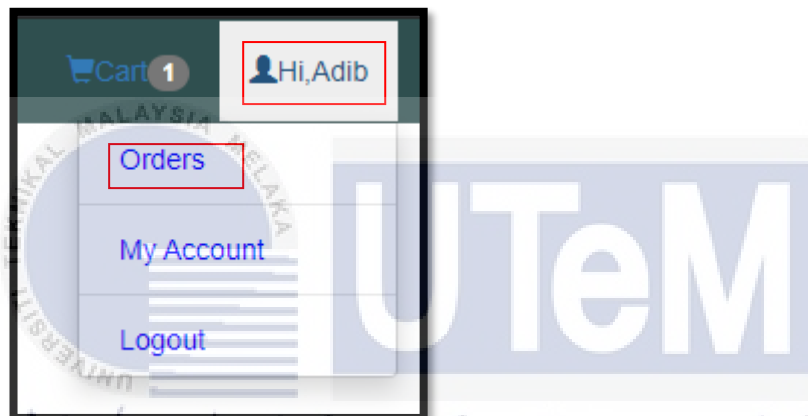
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9. After finish make a payment Thank you message will be appear and customer can click “Continue Shopping” to continue shopping.

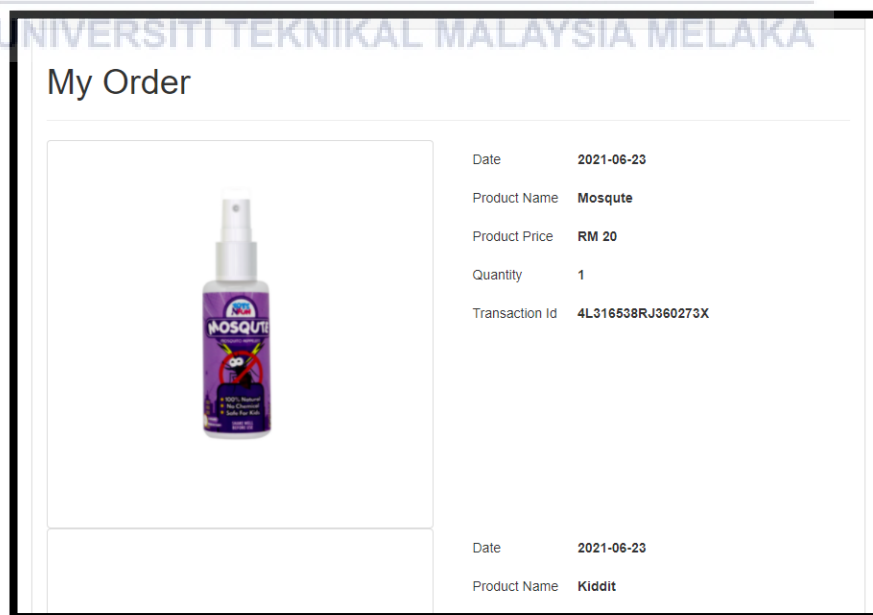


View Order History

1. Click at “Hi, *name*” and choose Orders.

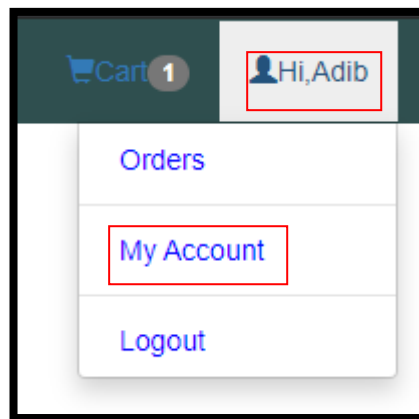


2. All the order history will be display.

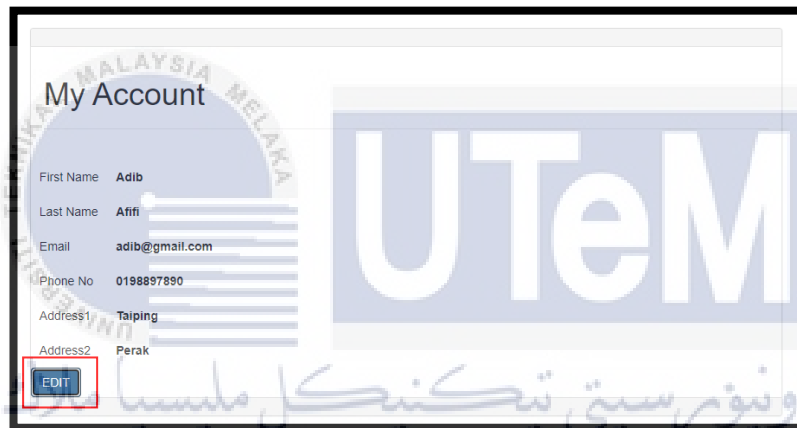


Edit Information Details

1. Click at “Hi, *name*” and choose My Account.



2. Click “Edit” and all the detail will be display.



3. Choose any details want to update the click “Update”

A screenshot of the 'My ACCOUNT' form. The form is titled 'My ACCOUNT' and has a close button (X) in the top right corner. It contains the following fields: 'First Name' (Adib), 'Last Name' (Afifi), 'Email' (adib@gmail.com), 'Phone No' (0198897890), 'Address 1' (Taiping), and 'Address 2' (Perak). At the bottom right of the form, there are two buttons: 'Cancel' and 'Update'. The 'Update' button is highlighted with a red rectangle.

View About Us

1. Click “About Us” at navigation bar.



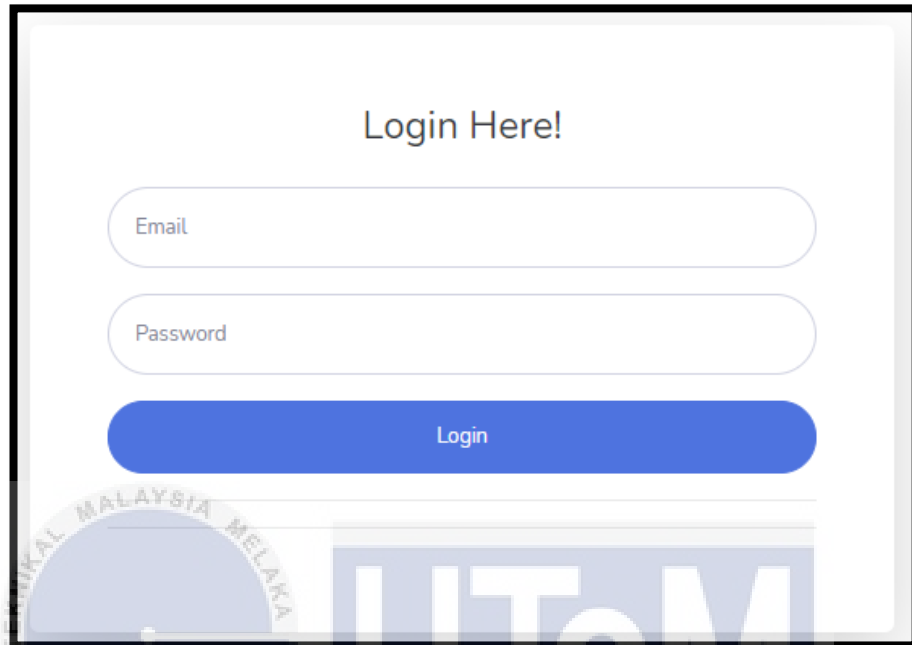
2. About us display.



Admin User

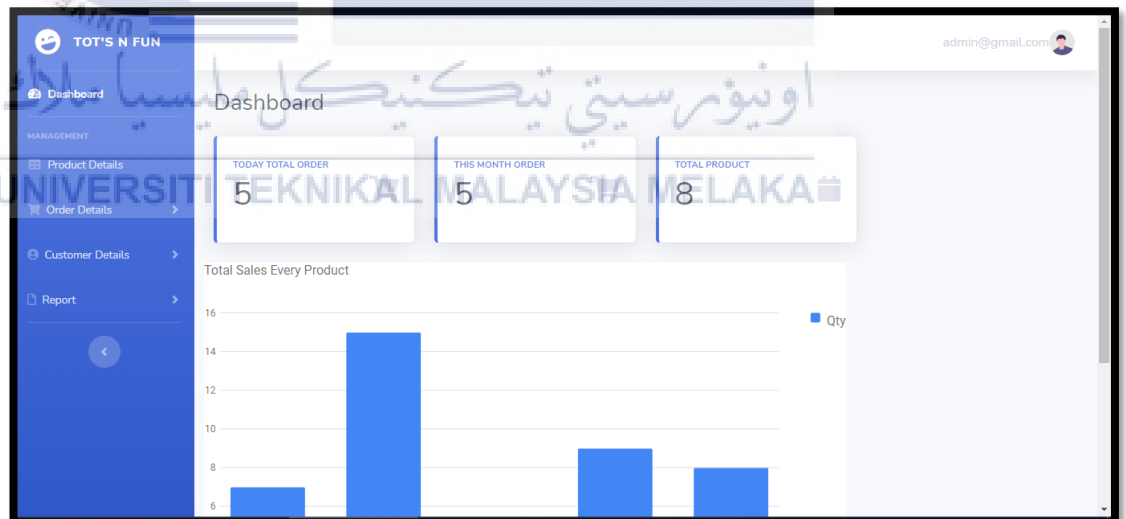
Login

1. Enter correct email and password the click “Login”.



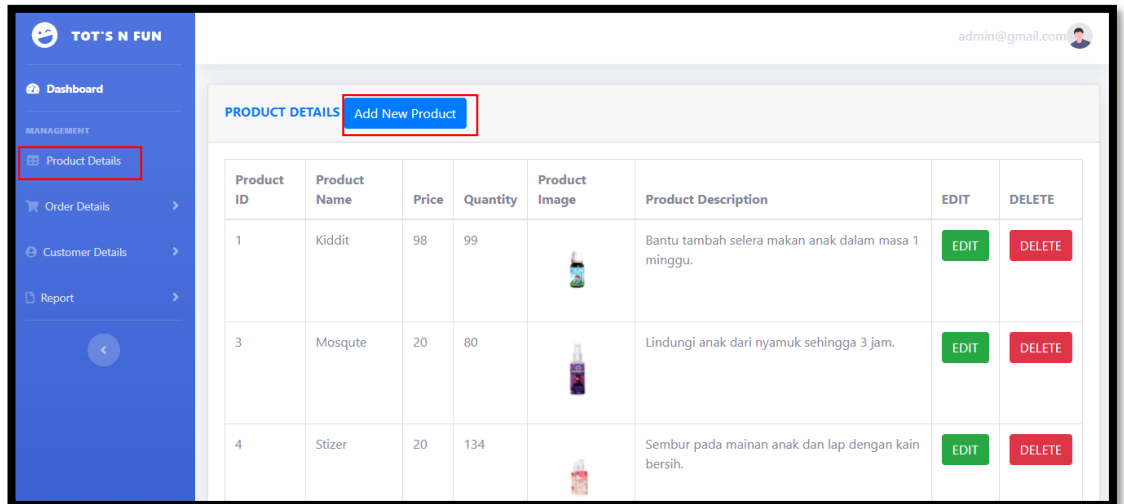
The image shows a login form titled "Login Here!". It contains two input fields: "Email" and "Password", both with placeholder text. Below the fields is a blue "Login" button. A large watermark "UTeM" is visible across the bottom of the form.

2. Dashboard page will be display.






Add New Product

1. Click “Product Details” then “Add New product”.



The screenshot shows the 'TOT'S N FUN' dashboard. On the left sidebar, under 'MANAGEMENT', 'Product Details' is highlighted. In the main content area, the 'PRODUCT DETAILS' header has an 'Add New Product' button next to it. Below this is a table listing products.

Product ID	Product Name	Price	Quantity	Product Image	Product Description	EDIT	DELETE
1	Kiddit	98	99		Bantu tambah selera makan anak dalam masa 1 minggu.	EDIT	DELETE
3	Mosquite	20	80		Lindungi anak dari nyamuk sehingga 3 jam.	EDIT	DELETE
4	Stizer	20	134		Sembur pada mainan anak dan lap dengan kain bersih.	EDIT	DELETE

2. Enter all the details and click “Save”



The screenshot shows the 'Add New Product' form. It includes input fields for Product Name, Price, Quantity, Product Image, and Product Description. A 'Choose File' button is next to the Product Image field. At the bottom, there are 'Close' and 'Save' buttons.

Add New Product

Product Name
Enter product name

Price
Enter product price

Quantity
Enter product quantity




Product Image
Choose File No file chosen

Product Description
Enter product description

Close Save

Update Product Details

1. Choose product want to update and click “Edit”.

PRODUCT DETAILS Add New Product							
Product ID	Product Name	Price	Quantity	Product Image	Product Description	EDIT	DELETE
1	Kiddit	98	99		Bantu tambah selera makan anak dalam masa 1 minggu.	EDIT	DELETE
3	Mosquite	20	80		Lindungi anak dari nyamuk sehingga 3 jam.	EDIT	DELETE
4	Stizer	20	134		Sembur pada mainan anak dan lap dengan kain bersih.	EDIT	DELETE

2. Edit any details want to update then click “Update”.

Product Name

Mosquite

Price

20

Quantity

80

Product Image



Choose File

No file chosen

Product Description




Lindungi anak dari nyamuk sehingga 3 jam.

Cancel

Update

Delete Product Details.

1. Choose the product want to delete and click “Delete” button.

PRODUCT DETAILS Add New Product							
Product ID	Product Name	Price	Quantity	Product Image	Product Description	EDIT	DELETE
1	Kiddit	98	99		Bantu tambah selera makan anak dalam masa 1 minggu.	EDIT	DELETE
3	Mosquite	20	80		Lindungi anak dari nyamuk sehingga 3 jam.	EDIT	DELETE
4	Stizer	20	134		Sembur pada mainan anak dan lap dengan kain bersih.	EDIT	DELETE

View All Order Details

1. Click “Order Details” and choose “All Details”.

ORDER DETAILS							
Date	Order ID	User ID	Product ID	Qty	TRX ID	Payment Status	
2021-09-03	42	4	3	1	68R1075412459664G	Completed	
2021-09-03	41	9	6	2	5T405654J8301940C	Completed	
2021-09-03	40	3	3	1	9CU597269K840240E	Completed	
2021-09-03	39	3	4	1	9CU597269K840240E	Completed	
2021-09-03	38	6	1	1	6SB496185X2664037	Completed	
2021-08-28	37	9	4	1	8AV952363B604204K	Completed	
2021-08-27	30	6	5	1	2AK15703P5319280K	Completed	
2021-08-27	31	7	6	2	4S559908TF5515002	Completed	

View Order By Date

1. Click “Order Details” and choose “Search by Date.”

Date	Order ID	User ID	Product ID	Qty	TRX ID	Payment Status
2021-09-03	42	4	3	1	68R1075412459664G	Completed
2021-09-03	41	9	6	2	5T405654J8301940C	Completed
2021-09-03	40	3	3	1	9CU597269K840240E	Completed
2021-09-03	39	3	4	1	9CU597269K840240E	Completed
2021-09-03	38	6	1	1	6SB496185X2664037	Completed
2021-08-28	37	9	4	1	8AV952363B604204K	Completed
2021-08-27	30	6	5	1	2AK15703P5319280K	Completed
2021-08-27	31	7	6	2	4S559908TF551500Z	Completed

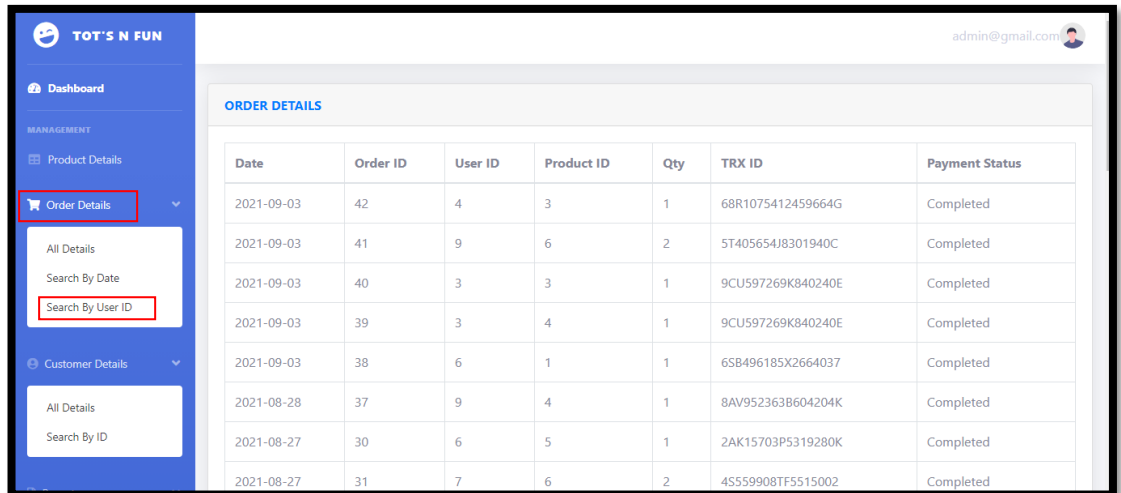
2. Choose date and click “Filter”.

3. Order details display.

Date	Order ID	User ID	Product ID	Qty	Transaction ID
2021-09-03	38	6	1	1	6SB496185X2664037
2021-09-03	39	3	4	1	9CU597269K840240E
2021-09-03	40	3	3	1	9CU597269K840240E
2021-09-03	41	9	6	2	5T405654J8301940C
2021-09-03	42	4	3	1	68R1075412459664G

View Order By User ID

1. Click “Order Details” and choose “Search by User ID”.



ORDER DETAILS

Date	Order ID	User ID	Product ID	Qty	TRX ID	Payment Status
2021-09-03	42	4	3	1	68R1075412459664G	Completed
2021-09-03	41	9	6	2	5T405654J8301940C	Completed
2021-09-03	40	3	3	1	9CU597269K840240E	Completed
2021-09-03	39	3	4	1	9CU597269K840240E	Completed
2021-09-03	38	6	1	1	6SB496185X2664037	Completed
2021-08-28	37	9	4	1	8AV952363B604204K	Completed
2021-08-27	30	6	5	1	2AK15703P5319280K	Completed
2021-08-27	31	7	6	2	4S559908TF5515002	Completed

2. Enter user ID and click “Search”.

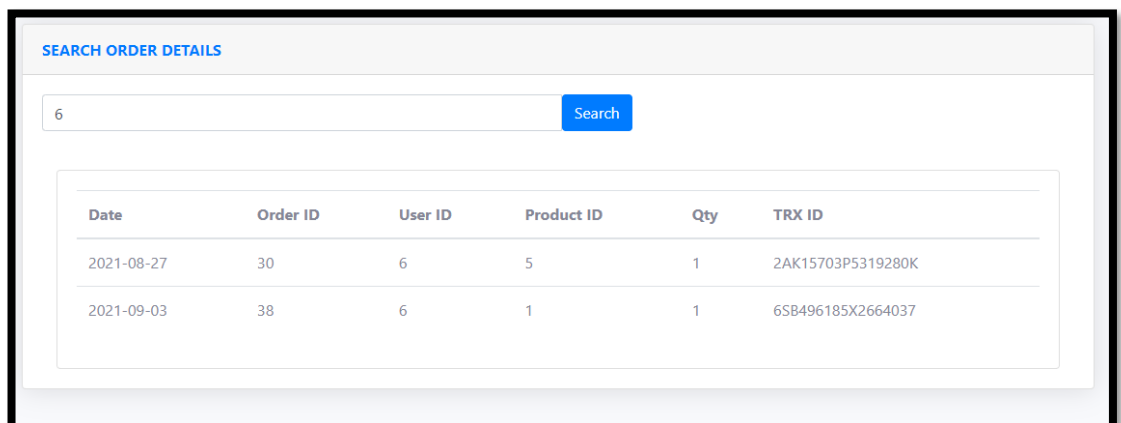


SEARCH ORDER DETAILS

Enter User ID:

Date	Order ID	User ID	Product ID	Qty	TRX ID
------	----------	---------	------------	-----	--------

3. Order details by the user ID displayed.



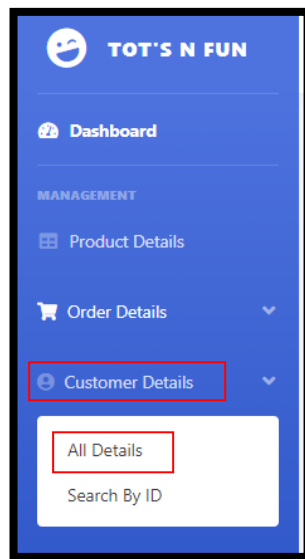
SEARCH ORDER DETAILS

6

Date	Order ID	User ID	Product ID	Qty	TRX ID
2021-08-27	30	6	5	1	2AK15703P5319280K
2021-09-03	38	6	1	1	6SB496185X2664037

View Customer Details

1. Click “Customer Details” and choose “All Details”.

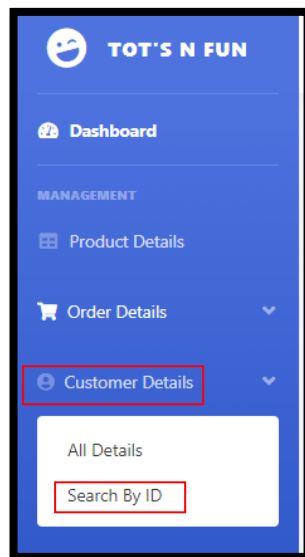


2. All Customer details displayed.

User ID	First Name	Last Name	Email	Phone No	Address1	Address2
1	fairuza	syahira	fairuza@gmail.com	0125927515	Bagan Datoh	Perak
2	amirul	mukmin	amirul@gmail.com	0123456789	Hutan Melintang	Perak
3	Alya	Salsabila	alya@gmail.com	0121123432	Ipoh	Perak
4	Adib	Affii	adib@gmail.com	0198897890	Taiping	Perak
5	Fairuza	Karima	karima@gmail.com	0122322567	Shah Alam	Selangor
6	Aisy	Iman	aisy@gmail.com	0111177890	Bagan Datoh	Perak
7	Adib	Karimi	karimi@gmail.com	0199987789	Hutan Melintang	Perak
8	Alya	Husna	husna@gmail.com	0112334564	Teluk Intan	Perak

Search Customer Details.

1. Click “Customer Details” and choose “Search by ID”.



2. Enter User Id and click “Search”

The screenshot shows the 'SEARCH CUSTOMER DETAILS' form. The 'Enter User Id' field is visible, and the 'Search' button is highlighted with a red box. Below the form, a table header is visible with columns: Id, First Name, Last Name, Email, Phone No, Address 1, and Address 2.

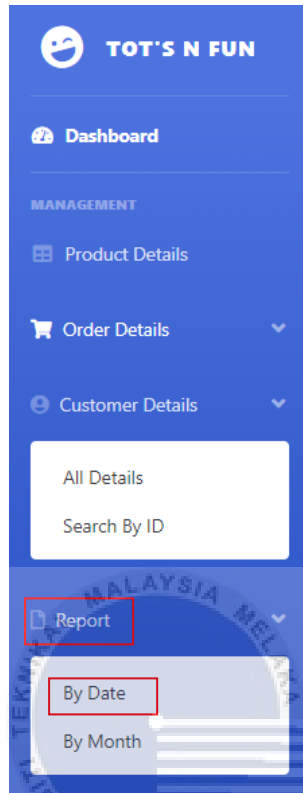
3. Customer details displayed.

The screenshot shows the search results for User ID 4. The 'Search' button is highlighted with a red box. Below the form, a table displays the customer details.

Id	First Name	Last Name	Email	Phone No	Address 1	Address 2
4	Adib	Afifi	adib@gmail.com	0198897890	Taiping	Perak

View Report By Date

1. Click “Report” and choose “By Date”.



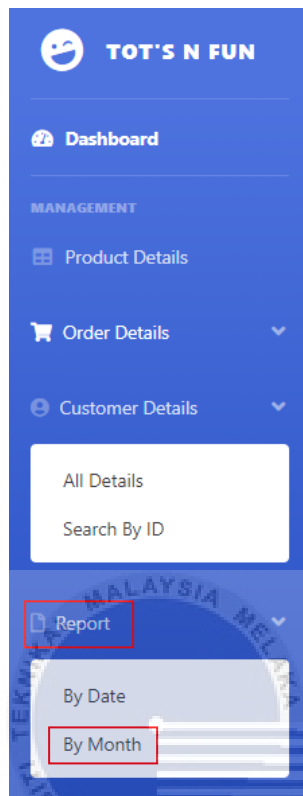
2. Report by date displayed.

PRODUCT REPORT

Date	Product ID	Total Qty
2021-09-03	1	1
2021-09-03	4	1
2021-09-03	3	2
2021-09-03	6	2
2021-08-28	4	1
2021-08-27	1	1
2021-08-27	3	2
2021-08-27	4	1
2021-08-27	5	1
2021-08-27	6	4

View Report By Month

1. Click “Report” and choose “By Month”.



2. Report by month displayed.

PRODUCT REPORT

MONTH	Product ID	Total Qty
September	3	2
September	6	2
September	1	1
September	4	1
August	1	4
August	5	3
August	4	3
August	6	6
August	3	9
July	5	1

APPENDIX B: SAMPLE SOURCE CODE

index.php (Customers)

```
<?php
require "config/constants.php";
session_start();
if (isset($_SESSION["uid"])) {
    header("location:profile.php");
}
?>
<!DOCTYPE html>
<html>

<head>
    <meta charset="UTF-8">
    <title>Tot's N Fun Online Store</title>
    <link rel="stylesheet" href="css/bootstrap.min.css" />
    <script src="js/jquery2.js"></script>
    <script src="js/bootstrap.min.js"></script>
    <script src="main.js"></script>
    <link href="https://fonts.googleapis.com/css2?family=Texturina:wght@200&family=Yellowtail&display=swap" rel="stylesheet">
    <script src="https://kit.fontawesome.com/c26cd2166c.js"></script>
    <link rel="stylesheet" type="text/css" href="style.css">
    <style></style>
</head>

<body>
    <div class="wait overlay">
        <div class="loader"></div>
    </div>
    <div class="navbar navbar-light" style="background-color:darkslategray;">
        <div class="container-fluid">
            <div class="navbar-header">
```

```

        <button type="button" class="navbar-
toggle collapsed" data-toggle="collapse" data-target="#collapse" aria-
expanded="false">
            <span class="sr-only">navigation</span>
            <span class="icon-bar"></span>
            <span class="icon-bar"></span>
            <span class="icon-bar"></span>
        </button>
        <a href="#" class="navbar-
brand"></a>
    </div>
    <div class="collapse navbar-collapse" id="collapse">
        <ul class="nav navbar-nav">
            <li><a href="indexx.php"><span class="glyphicon gly
phicon-home"></span>Home</a></li>
            <li><a href="index.php"><span class="glyphicon glyp
hicon-modal-window"></span>Product</a></li>
            <li><a href="aboutus.php"><span class="glyphicon gl
yphicon-earphone"></span>About Us</a></li>
        </ul>
        <ul class="nav navbar-nav navbar-right">
            <li><a href="#" class="dropdown-toggle" data-
toggle="dropdown"><span class="glyphicon glyphicon-shopping-
cart"></span>Cart<span class="badge">0</span></a>
                <div class="dropdown-
menu" style="width:400px;">
                    <div class="panel panel-success">
                        <div class="panel-heading">
                            <div class="row">
                                <div class="col-md-
3">Sl.No</div>
                                <div class="col-md-
3">Product Image</div>
                                <div class="col-md-
3">Product Name</div>
                                <div class="col-md-
3">Unit Price <?php echo CURRENCY; ?></div>
                            </div>
                            <div class="panel-body">
                                <div id="cart_product">
                                </div>
                            </div>
                            <div class="panel-footer"></div>
                        </div>
                    </li>
                </div>
            </li>

```

```

        <li><a href="#" class="dropdown-toggle" data-
toggle="dropdown"><span class="glyphicon glyphicon-
user"></span>Log In</a>
        <ul class="dropdown-menu">
            <div style="width:300px;">
                <div class="panel panel-primary">
                    <div class="panel-
heading">Login</div>
                    <div class="panel-heading">
                        <form onsubmit="return false" i
d="login">
                            <label for="email">Email</l
abel>
                            <input type="email" class="
form-control" name="email" id="email" required />
                            <label for="email">Password
</label>
                            <input type="password" clas
s="form-control" name="password" id="password" required />
                            <p><br /></p>
                            <input type="submit" class=
"btn btn-success" style="float:right;">
                                </form>
                            </div>
                            <div class="panel-
footer" id="e_msg"></div>
                        </div>
                    </div>
                </ul>
            </li>
        </ul>
    </div>
</div>
<div>
    <p><br /></p>
    <p><br /></p>
    <p><br /></p>
    <div class="container" align="center">
        <div class="col-md-10 col-xs-12" ">
            <div class=" row">
                <div class="col-md-10 col-xs-12" id="product_msg">
                </div>
            </div>
            <div class="panel panel-info">
                <h1>PRODUCTS</h1>
                <div class="panel-body">
                    <div id="get_product">
                    </div>

```

```

</div>
<div class="col-md-1"></div>

</div>

<section class="footer">
  <div class="container">
    <div class="row">

      </div>
      <hr>
      <p class="text-center">Copyright 2021 -
Fairuza Syahira</p>
    </div>
  </section>

</div>
</body>
</html>

```



اونيورسيتي تيكنيكل مليسيا ملاك

UNIVERSITI TEKNIKAL MALAYSIA MELAKA

indexx.php (Admin)

```
<?php
require "config/constants.php";
session_start();
if (isset($_SESSION["uid"])) {
    header("location:profile.php");
}
?>
<!DOCTYPE html>
<html>

<head>
    <meta charset="UTF-8">
    <title>Tot's N Fun Online Store</title>
    <link rel="stylesheet" href="css/bootstrap.min.css" />
    <script src="js/jquery2.js"></script>
    <script src="js/bootstrap.min.js"></script>
    <script src="main.js"></script>
    <link href="https://fonts.googleapis.com/css2?family=Texturina:wght
@200&family=Yellowtail&display=swap" rel="stylesheet">
    <script src="https://kit.fontawesome.com/c26cd2166c.js"></script>
    <link rel="stylesheet" type="text/css" href="style.css">
    <style></style>
</head>

<body>
    <div class="wait overlay">
        <div class="loader"></div>
    </div>
    <div class="navbar navbar-light" style="background-
color:darkslategray;">
        <div class="container-fluid">
            <div class="navbar-header">
                <button type="button" class="navbar-
toggle collapsed" data-toggle="collapse" data-target="#collapse" aria-
expanded="false">
                    <span class="sr-only">navigation</span>
                    <span class="icon-bar"></span>
                    <span class="icon-bar"></span>
                    <span class="icon-bar"></span>
                </button>
                <a href="#" class="navbar-
brand"></a>
            </div>
            <div class="collapse navbar-collapse" id="collapse">
                <ul class="nav navbar-nav">
```

```

        <li><a href="indexx.php"><span class="glyphicon gly
phicon-home"></span>Home</a></li>
        <li><a href="index.php"><span class="glyphicon glyp
hicon-modal-window"></span>Product</a></li>
        <li><a href="aboutus.php"><span class="glyphicon gl
yphicon-earphone"></span>About Us</a></li>
    </ul>
    <ul class="nav navbar-nav navbar-right">
        <li><a href="#" class="dropdown-toggle" data-
toggle="dropdown"><span class="glyphicon glyphicon-shopping-
cart"></span>Cart<span class="badge">0</span></a>
        <div class="dropdown-
menu" style="width:400px;">
            <div class="panel panel-success">
                <div class="panel-heading">
                    <div class="row">
                        <div class="col-md-
3">Sl.No</div>
                        <div class="col-md-
3">Product image</div>
                        <div class="col-md-
3">Product Name</div>
                        <div class="col-md-
3">Unit Price <?php echo CURRENCY; ?></div>
                    </div>
                    <div class="panel-body">
                        <div id="cart_product">
                        </div>
                    </div>
                <div class="panel-footer"></div>
            </div>
        </li>
        <li><a href="#" class="dropdown-toggle" data-
toggle="dropdown"><span class="glyphicon glyphicon-
user"></span>Log In</a>
        <ul class="dropdown-menu">
            <div style="width:300px;">
                <div class="panel panel-primary">
                    <div class="panel-
heading">Login</div>
                    <div class="panel-heading">
                        <form onsubmit="return false" i
d="login">
                            <label for="email">Email</l
abel>

```

```

        <input type="email" class="
form-control" name="email" id="email" required />
        <label for="email">Password
</label>

        <input type="password" clas
s="form-control" name="password" id="password" required />
        <p><br /></p>
        <input type="submit" class=
"btn btn-success" style="float:right;">
        </form>
    </div>
    <div class="panel-
footer" id="e_msg"></div>
    </div>
</div>
</div>
</ul>
</li>
</ul>
</div>
</div>
<p><br /></p>
<p><br /></p>
<p><br /></p>
<div class="container" align="center">
    <div class="col-md-10 col-xs-12" ">
        <div class=" row">
            <div class="col-md-10 col-xs-12" id="product_msg">
                </div>
            </div>
            <div class="panel panel-info">
                <h1>PRODUCTS</h1>
                <div class="panel-body">
                    <div id="get_product">
                        </div>
                    </div>
                <div class="col-md-1"></div>
            </div>
        </div>

        <section class="footer">
            <div class="container">
                <div class="row">

                    </div>
                    <hr>
                    <p class="text-center">Copyright 2021 -
Fairuza Syahira</p>

```

```
</div>  
</section>
```

```
</div>  
</body>  
  
</html>
```

