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GLOBAL NETWORK

OBJECT ORIENTED SYSTEMS ANALYSIS AND DESIGN

XBCS1053 | XBGD2084 | XBCS1153

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Subject Code: (e.g. XCAT1234) XBCS1053N / XBCS1153N	Subject Name (e.g. Fundamentals of Computing): Object Oriented Systems Analysis and Design / System Analysis and Design		
Course (e.g. Bachelor in Computing) : Bachelor of Computer Science (Hons) / Bachelor of Information System (Hons) Enterprise Information Systems			
Lecturer Name: Siti Fazilah Shamsudin			
Assessment Due Date: (dd/mm/yy)	06/08/2022	Assessment Title:	Food Delivery Application

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Signature: Total		

Software Requirements Specifications

For

EOU Food Delivery Application (EOU-FDA)

Version: 1.1

Date: 23/07/2022

Release By: EOU Enterprise

Prepared By:

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1.0 Introduction

1.1 Purpose

This Software Requirements Specifications (SRS) gives the subtleties on the Functional and Non-Functional Requirements for the Food Delivery Application system that is utilized by the organization called EOU enterprise. This SRS document will be utilized by the individuals from the team to execute, verify, and guarantee that the framework is effective. All the prerequisites that have been indicated are of a high priority unless specified.

1.2 Scope

1.2.1 Register

To allow users to register an account to use the application

1.2.2 Login

To allow users to login to their accounts to use the application

1.2.3 Select Restaurant

To allow customers to select the restaurants they prefer

1.2.4 View Menu

To allow customers to view the menu chose according to the restaurant chosen

1.2.5 Order Food

To allow customers to order food that they want from the menu

1.2.6 View Order

To allow customers to view order placed

1.2.7 Place Order

To allow customers to review the payment method, delivery address, and order summary

1.2.8 Reviews and Ratings

To allow customers to give reviews and ratings based on the food quality

1.2.9 Generate Receipt

To allow customers to receive receipt after payment was made

1.2.10 Order Confirmation

To allow customers to know that their orders had been confirmed

1.2.11 Order Tracker

To allow customers to track their orders

1.2.12 Update Menu

To allow admin to update menu items

1.2.13 Manage User

To allow admin to create, edit, and delete users

1.2.14 View Customer Orders

To allow admin to view orders placed by customers

1.2.15 View Reports

To allow admin to view reports generated from total sales, reviews and ratings, etc

1.2.16 Request Delivery

To allow riders to receive delivery request from the application

1.2.17 Delivery Confirmation

To allow riders to accept or decline the delivery request from the application

1.2.18 Update Order Status

To allow riders to update the delivery status of the order

1.2.19 Log Out

To allow users to log out their accounts from the application

1.3 Definitions and Acronyms

Definitions

EOU Food Delivery Application: An application to associate the customers, admin and riders

Customer: The user that will use the application to order foods

Admin: The user that will be responsible for dealing the eatery data's

Rider: The user that will convey food varieties ordered by the customer

Acronyms

EOU-FDA: Ease Of Use - Food Delivery Application

SRS: Software Requirements Specification

GUI: Graphical User Interface

1.4 Document Conventions

No specific convention was used in this documentation

1.5 Intended Audience and Reading Suggestions

This documentation aims to be utilized by the individuals from the FMG team, who will develop, implement, and guarantee that the framework fills in as planned and is error-free

1.6 References

This document prepared in reference to the following document:

- i. IEEE Std 830-1998, Recommended Practice for Software Requirements Specifications

1.7 Overview

This document consists of 6 sections:

Section 1: Contains the purpose, scope, definitions and acronyms, document conventions, intended audience and reading suggestion, references and overview

Section 2: Contains the overall description of the system, including the product perspective, product features, and user characteristics

Section 3: Contains specific requirements of external interface requirements and user interface of EOU-FDA

Section 4: Contains the features of EOU-FDA which includes the functional requirements, use case table, and state chart diagram

Section 5: Contains the non-functional requirements of EOU-FDA

Section 6: Appendix of this document (SRS)

2.0 Overall Description

2.1 Product Perspective

This section describes the different perspective of EOU-FDA

2.1.1 Hardware Interfaces

Not Applicable

2.1.2 Communication Interfaces

EOU-FDA ought to interface all users utilizing a private network to forestall ARP Poisoning or different attacks to occur and it ought to comprise of a base speed of 5Mbps

2.1.3 Operating Environment

Software

SOE-001: Microsoft Word

SOE-002: Team Gantt

SOE-003: Eclipse

SOE-004: Google Document

Hardware

HOE-001: Mobile devices with the latest version of the application updated

HOE-002: Mobile devices that support iPhone Operating System or Android Operating System

2.1.4 Design and Implementation Constraints

DIC-001: No GUI will be intended for the system, as the system is being developed as a console application

2.2 Product Features

The following table (Table 1.0) contains the list of features to be implemented in EOU-FDA

Feature ID	Feature	Description	Accessible Role
F001	Register	To allow users to register an account to use the application	Customer, Admin, Rider
F002	Login	To allow users to login to their accounts to use the application	Customer, Admin, Rider
F003	Select Restaurant	To allow customers to select the restaurants they prefer	Customer
F004	View Menu	To allow customers to view the menu according to the restaurant chosen	Customer
F005	Order Food	To allow customers to order food that they want from the menu	Customer
F006	View Order	To allow customers to view order placed	Customer
F007	Place Order	To allow customers to review the payment method, delivery address, and order summary	Customer
F008	Reviews and Ratings	To allow customers to give reviews and ratings based on the food quality	Customer
F009	Generate Receipt	To allow customers to receive receipt after payment was made	Customer
F010	Order Confirmation	To allow customers to know that their orders had been confirmed	Customer
F011	Order Tracker	To allow customers to track their orders	Customer
F012	Update Menu	To allow admin to update menu items	Admin
F013	Manage User	To allow admin to create, edit, and delete users	Admin
F014	View Customer Orders	To allow admin to view orders placed by customers	Admin
F015	View Reports	To allow admin to view reports generated from total sales, reviews and ratings, etc.	Admin
F016	Request Delivery	To allow riders to receive delivery request from the application	Rider
F017	Delivery Confirmation	To allow riders to accept or decline the delivery request from the application	Rider

F018	Update Order Status	To allow riders to update the delivery status of the order	Rider
F019	Log Out	To allow users to log out their accounts from the application	Customer, Admin, Rider

Table 1.0: Product Features

2.3 User Characteristics

There are mainly three roles targeted by EOU-FDA:

- i. Customer
- ii. Admin
- iii. Rider

The following table (Table 2.0) shows the expected level of knowledge for each role

Role	Description	Required knowledge
Customer	People who use the food delivery application to order foods.	<ul style="list-style-type: none"> • They should be able to do some basic tasks such as place order, make payment, give reviews and ratings, etc.
Admin	As the owner of the shop, they are able to view and update those private and confidential information for their business.	<ul style="list-style-type: none"> • They should be able to update menu item, manage users, view reports, etc.
Rider	The medium in between admin and customer that will deliver prepared food to designated location.	<ul style="list-style-type: none"> • They should be able to deliver foods to customers based on locations provided. • They should be able to confirm delivery requests from the application.

Table 2.0: User Characteristics

3.0 Specific Requirements

3.1 External Interface Requirements

Not Applicable

3.2 User Interface

3.2.1 Register Page



Get Started

Phone Number



+60

12 3456 789

Email

No spam, we promise

Name

Same as MyKad or passport

By continuing, you confirm you've read and agree to our [Terms of Service](#) and [Privacy Notice](#) on how we collect, use, disclose, and process your personal data.

Next

This is the register page for customers, admin, and rider

3.2.1 Log In Page

Log In (Email)



Continue



Log in with your email

Email

Password



I forgot my password

This is the login page for customers, admin, and rider using email



Get Started

Phone Number



+60

12 3456 789

Next

1	2 ABC	3 DEF
4 GHI	5 JKL	6 MNO
7 PQRS	8 TUV	9 WXYZ
+ * #	0	✖

This is the login page for customers, admin, and rider using phone number

3.2.3 Select Restaurant



PROMO

KFC - Giant Shah Alam...

25 mins · 2.9 km · ★ 4.2

HOTDEALS



PROMO

Subway - MSU

25 mins · 2.9 km · ★ 4.0

HOTDEALS



PROMO

Fei Zai

25 mins

HOTDEALS

As low as RM9.90! →

Limited time only!



Soto Special

Sri Gemilang Cafe - Seksyen 7

11.90 12.90



Nasi Lemak Ayam Gore...

Kopitiam - Giant Seksyen 13

11.90 12.90



Claypot

Sheng Kee

9.90 12.5

This is the restaurant page for customers to select restaurant

3.2.4 View Menu



KFC - Giant Shah Alam Seksyen 13



For You



Search



2-pc Rice Combo

16.99



Snack Plate Combo

16.99



5-pc Combo

39.99



15-pc Combo

87.99



This is the view menu page for customers to choose food varities

3.2.5 Order Food

**Variety Trio Deal**

from RM 85.90

2 Regular pizza + 2 pasta + 4 mushroom soups + 2 garlic bread + 1.5L Pepsi

Choice of 1st Regular Pizza for Variety Trio Deal

1 Required

Select 1

 Aloha Chicken Free Beef Pepperoni Free Chicken Delight Free

1

Add to cart

This is the order food page for customers to order foods they prefer

3.2.6 View Order

1 ▾

**Variety Trio Deal**

Soup, Soup, Soup, G...

RM 90.90

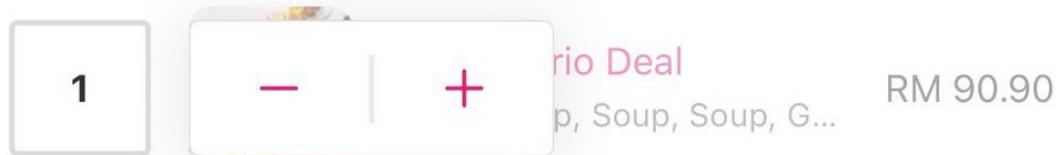
[Add more items](#)**Subtotal** RM 90.90**Delivery fee** RM 7.99**Container/Processing Fee** RM 1.06[Apply a voucher](#)**Cutlery**

We won't bring cutlery. Thanks for helping us reduce waste.

Total (incl. VAT) RM 99.95[Review payment and address](#)

This is the view order page for customers to view order placed

3.2.6.1 Edit Items (Add or Reduce)



Add more items

Subtotal RM 90.90

Delivery fee RM 7.99

Container/Processing Fee RM 1.06

Apply a voucher

Cutlery



We won't bring cutlery. Thanks for helping us reduce waste.

Total (incl. VAT) RM 99.95

Review payment and address

This is the edit items page for customers to either add or reduce the quantity or add more items

3.2.7 Place Order

Order summary

1x Variety Trio Deal	RM 90.90
Soup, Soup, Soup, Soup, Garlic Bread, Garlic...	
<hr/>	
Subtotal	RM 90.90
Delivery fee	RM 6.99
Container/Processing Fee	RM 1.06

Delivery address

Utropolis
Shah Alam, 40150

Map data ©2022 Google

» BLOCK E, URBANO
>

Contactless delivery: your rider will place the order at your door

Payment method

Maybank	RM 98.95
---------	----------

Total (incl. VAT) **RM 98.95**

[Place order](#)

This is the place order page for customers edit payment details, address, and order summary

3.2.7.1 Edit Payment Details



Select a payment method

Credit or debit card



Online Banking by RMS



Cash

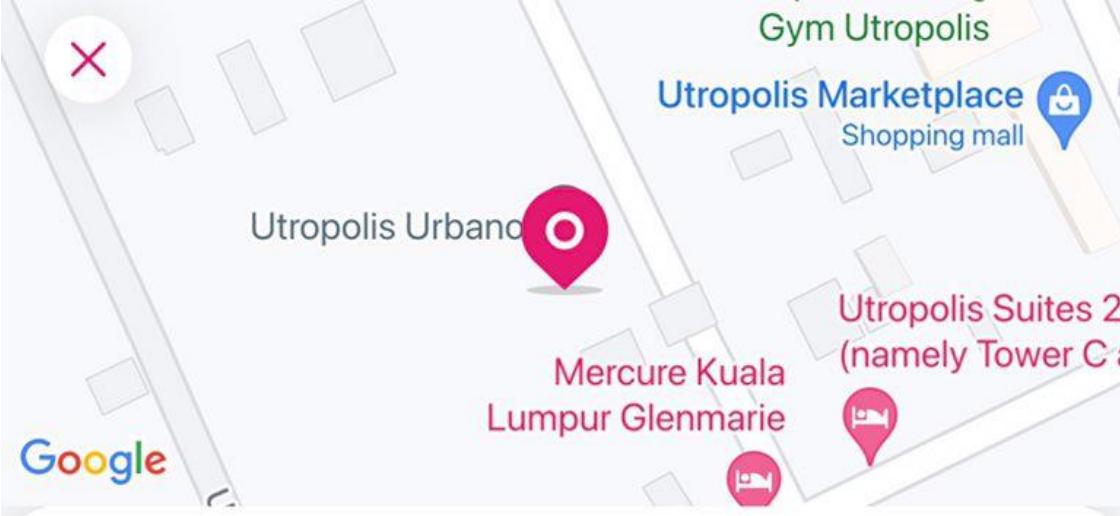


Boost



This is the edit payment details page to allow customers to select a payment method

3.2.7.2 Edit Address



A screenshot of a Google Maps interface. A red marker is placed on a street labeled "Utropolis Urbano". In the background, several buildings are visible, including "Gym Utropolis", "Utropolis Marketplace Shopping mall", "Utropolis Suites 2 (namely Tower C)", and "Mercure Kuala Lumpur Glenmarie". The Google logo is in the bottom left corner.

Utropolis
Shah Alam, 40150

We're missing your street number

Street number

Floor/Unit # Entrance

(Optional) Please provide additional delivery instruct...

Add a label

Home Work Partner Other

Save and continue

This is the edit address page to allow customers change the delivery address

3.2.8 Reviews and Ratings



Rate the Shop and Items



Chicago Chicken City Aeon Shah Alam



How was each item?

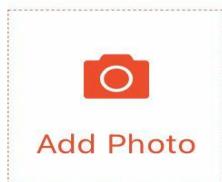


2 Pieces Combo



Share your reviews here...

0/500



Submit

This is the edit reviews and ratings page to allow customers to give feedback on individual food

3.2.9 Generate Receipt

Burgers & Wings Co. - Citta Mall

RM11.50 - 2 items - ShopeePay

fangkhai - (+60) 12-536 3011

Deliver To

Utropolis

Petaling Jaya, Selangor

Completed Time: 12 Feb 2022 13:04

Burgers & Wings Co. - Citta Mall >

 1 x Ghost Classic Burger RM7.50

Beef

 1 x Smoky BBQ Burger RM7.50

Beef

Subtotal (2 items) RM15.00

Delivery Fee ⓘ RM8.00

Food Discount Subtotal ⓘ -RM7.50

Delivery Discount Subtotal ⓘ -RM4.00



RM11.50

Tax included, where applicable.

This is the receipt generator page

3.2.10 Order Confirmation

 YOUR ORDER [Help](#)

Estimated delivery time
38 min



Got your order Euden!

Order Details

Your order from:	7-Eleven - Lower Bicutan 2
Your order number:	#e4ix-6ge1
Delivery address:	53 M. L. Quezon Avenue Taguig

This is the order confirmation page to notify customers that their order had been confirmed

3.2.11 Order Tracker

Estimated delivery time

Less than 5 minutes



Your rider has picked up your food.



Contact your rider

Ask for contactless delivery



Order Details

Your order from:

Chao Yuan Gourmet (Aljunied)

Your order number:

#x4lh-wg4h

This is the order tracker page to allow customers to track their order

3.2.12 Update Menu

Item Name	Item Code	Restaurant Name	Original Price	Discounted Price	Item Image	Stock Availability	Actions	Added By
Chicken Fried Rice	S21001	Palm Restaurant - kurtsherwood@gmail.com	10.00	1.00		Available	Block Unblock Delete	Admin
Egg Bread Buns	S2100	ABC Restaurant - andrewilson@gmail.com	7.00			Available	Block Unblock Delete	Admin

This is the update menu page to allow the admin to update the latest menu

3.2.13 Manage User

#	First Name	Last Name	Email	Loyalty Points	Status	Action
1	Senthil	T	mailto:senthil91@gmail.com	10	ON	
2	tyy	v999	ffg@ttt.hjjs	0	ON	
3	tyy	v999	ffg@ttt.hjjs	0	ON	

This is the manage user page to allow the admin to edit users

3.2.14 View Customer Orders

Task list

New **Preparing** **Delivery**

Task #00350 **€120,21**
🕒 As soon as

Task #00349 **€99,60**
🕒 As soon as

Task #00346 **€79,50**
🕒 Today, 10:45

Task #00342 **€90,75**
🕒 Today, 12:00

Task info

Prepared time: 00h : 25m : 30s

Address: Lincoln street 45

Austin Paul +424 56778912

Item	Description	Quantity	Status	Price
Fruity pancakes	x2	without syrup	€18,50	
Rice with wok vegetables	x1	with teriyaki sauce	€14,07	
Pasta carbonara	x5	double parmesan	€50,00	
Spring salad	x1		€18,10	

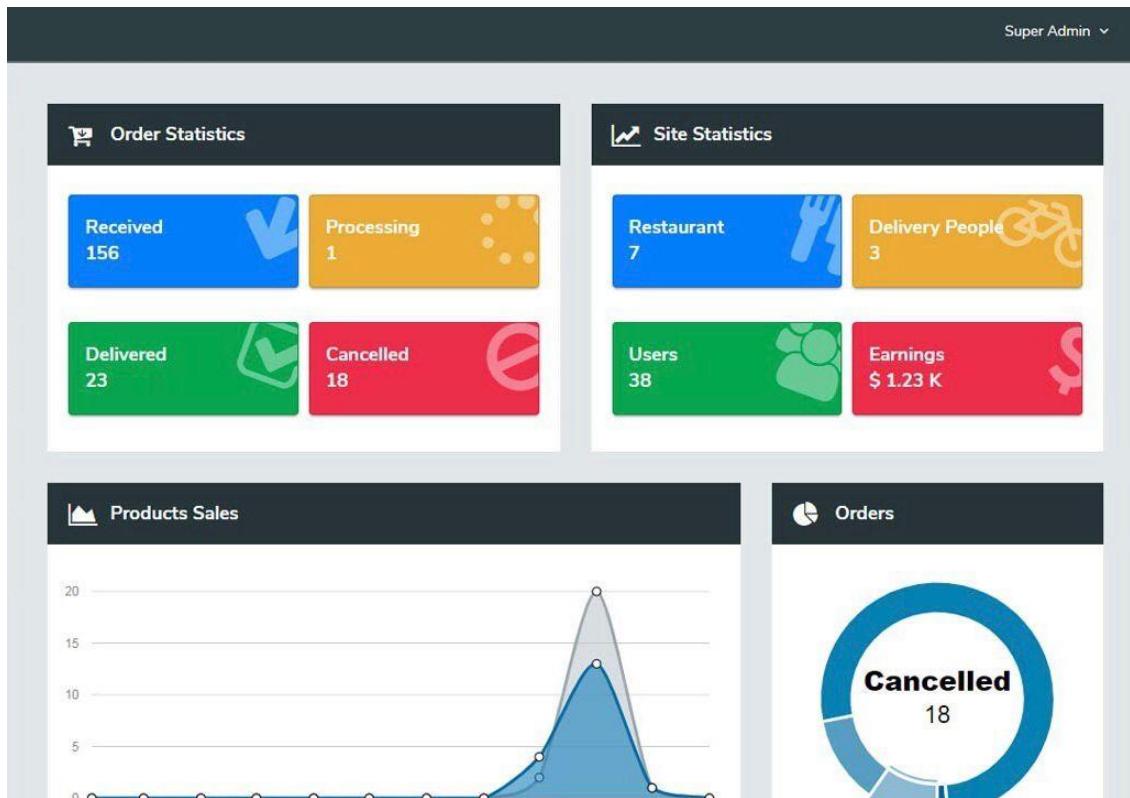
Check out your statistic

€99,60

Accept order

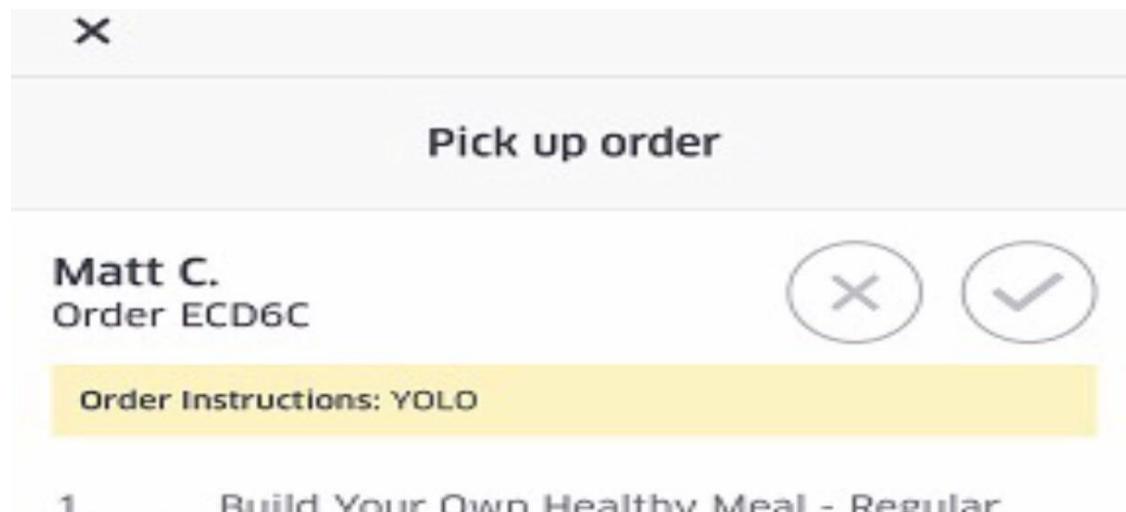
This is the view customer orders page to allow the admin to prepare foods according to their requirements

3.2.15 View Reports



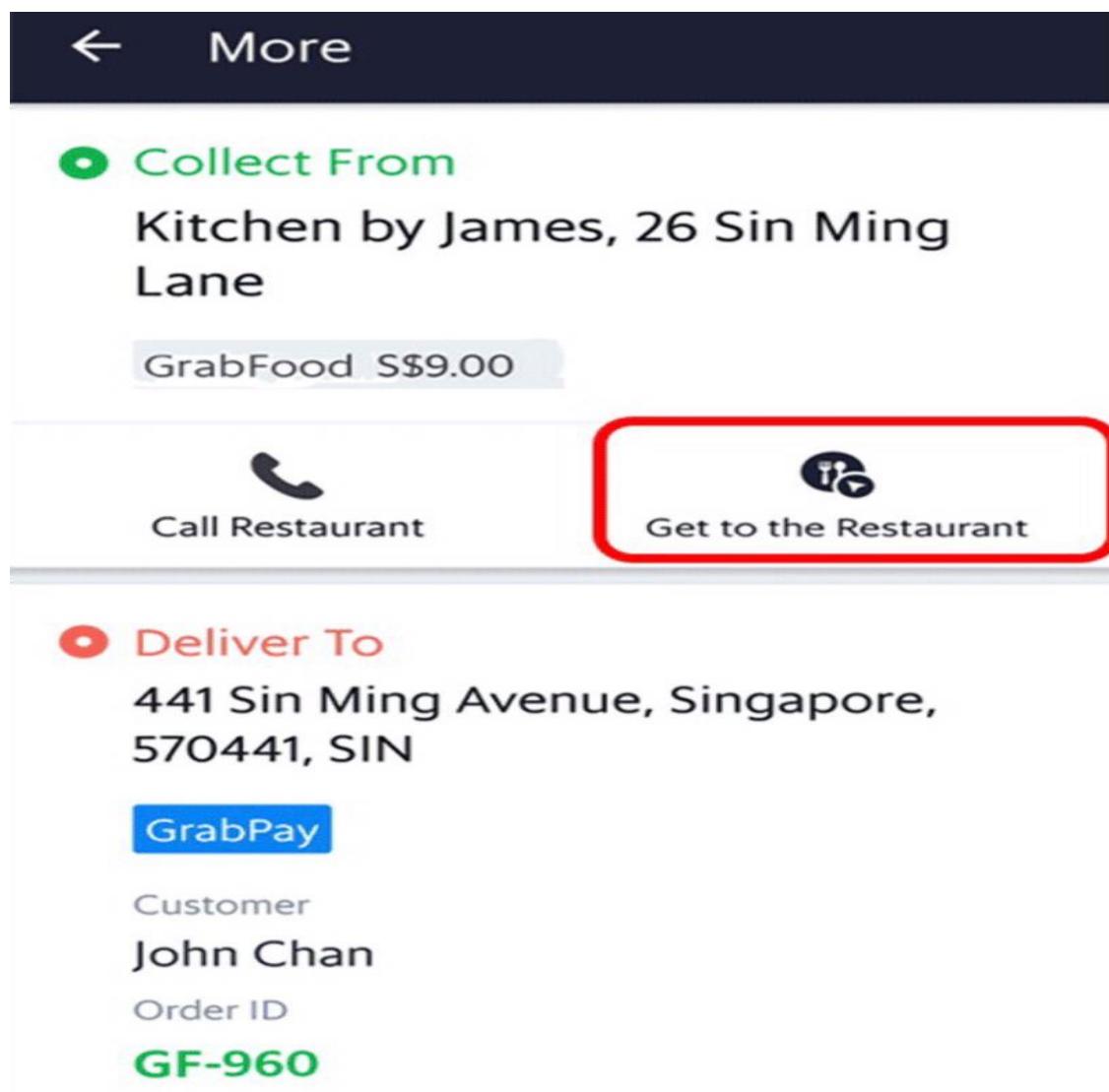
This is the view reports page to allow the admin to view different types of reports

3.2.16 Request Delivery



This is the request delivery page to allow the rider to view new delivery request

3.2.17 Delivery Confirmation



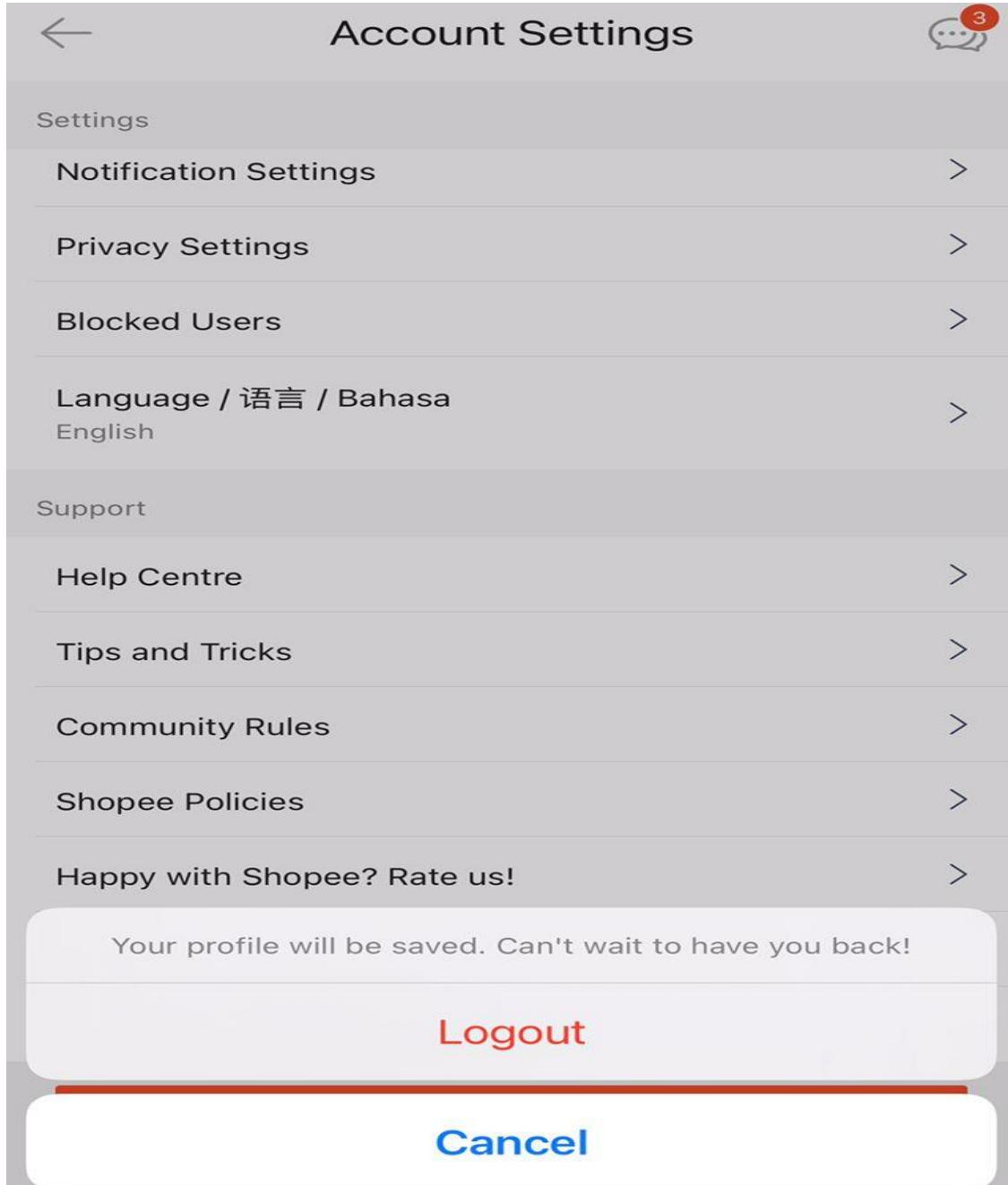
This is the delivery confirmation page to allow the rider to get order details and restaurant location

3.2.18 Update Order Status



This is the update order status page to allow the rider update the latest status

3.2.19 Log Out



This is the log out page to allow the customers, admin, and rider to log out

4.0 System Features

4.1 Use Case Diagram

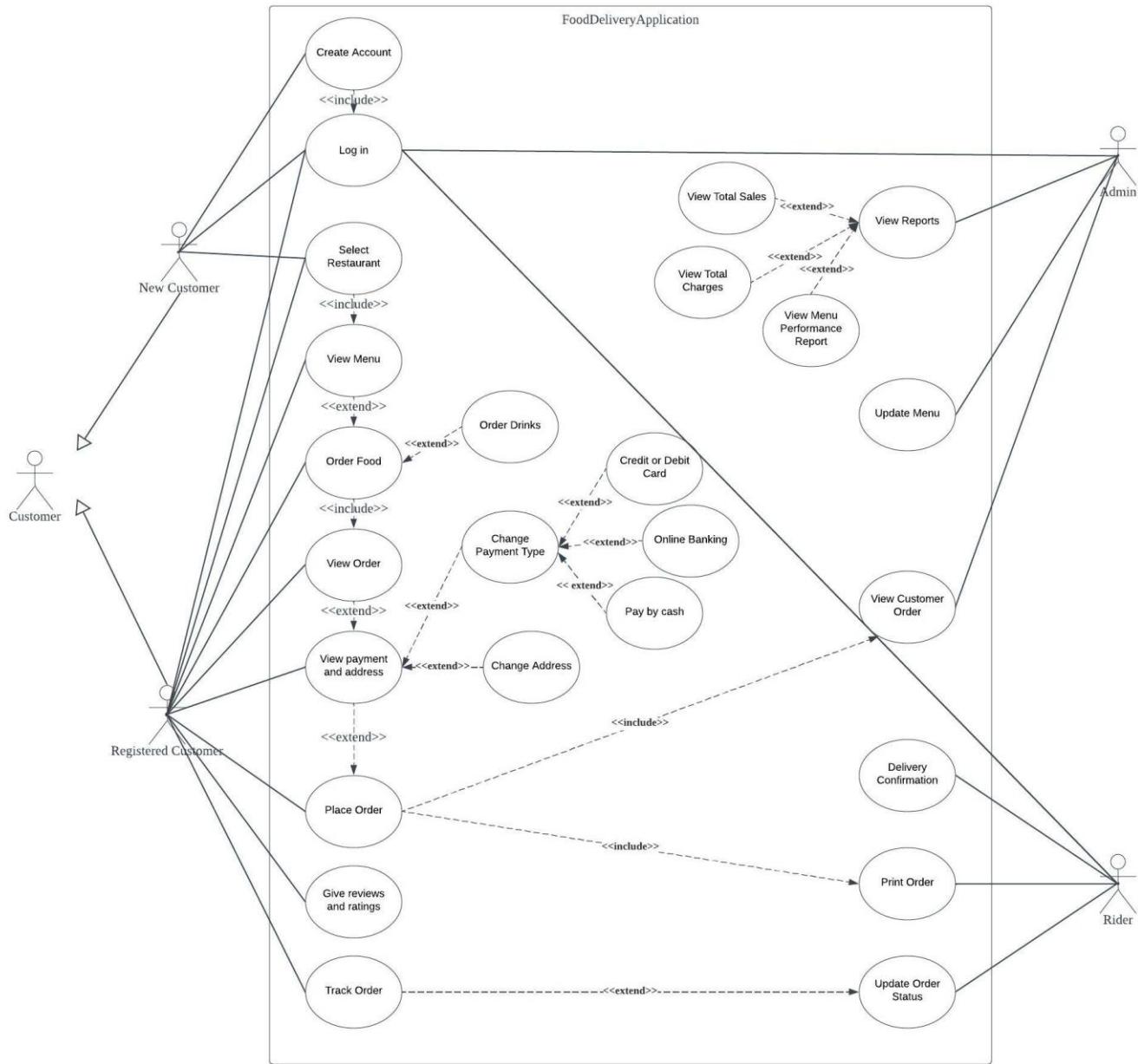


Figure 1.0: Use Case Diagram

There are three main users of this system, customer, admin, and rider. Customer will be using this application to place orders whereas admin will be using this system to view reports, view customer orders, manage users, and update menu. Lastly, rider will be using this application to receive notifications upon new delivery request and they will delivery food ordered by the customers

4.2 Functional Requirements

Requirement ID	REQ_F001	Version	1.1
Description	System shall be able to register new customers, admin, and riders		
Author	Goo Han Cong		

Requirement ID	REQ_F002	Version	1.1
Description	System shall be able to authenticate users with login credentials		
Author	Foo Fang Khai		

Requirement ID	REQ_F003	Version	1.1
Description	System shall allow customer to select which restaurant they prefer		
Author	Foo Fang Khai		

Requirement ID	REQ_F004	Version	1.1
Description	System shall allow customer to view menu after selecting restaurant		
Author	Marco Setiawan		

Requirement ID	REQ_F005	Version	1.1
Description	System shall allow customer to order foods that they prefer		
Author	Goo Han Cong		

Requirement ID	REQ_F006	Version	1.1
Description	System shall allow customer to view selected meals		
Author	Goo Han Cong		

Requirement ID	REQ_F007	Version	1.1
Description	System shall allow customer to place order and review the payment method preferred, delivery address, and order summary after viewing order		
Author	Foo Fang Khai		

Requirement ID	REQ_F008	Version	1.1
Description	System shall allow customer give reviews and ratings on the food quality after food was received		
Author	Marco Setiawan		

Software Requirements Specifications for EOU Food Delivery Application

Requirement ID	REQ_F009	Version	1.1
Description	System shall be able to generate receipt and display to customer after payment was made		
Author	Goo Han Cong		

Requirement ID	REQ_F010	Version	1.1
Description	System shall be able to notify customer that their order had been confirmed		
Author	Marco Setiawan		

Requirement ID	REQ_F011	Version	1.1
Description	System shall allow customer to track their orders		
Author	Foo Fang Khai		

Requirement ID	REQ_F012	Version	1.1
Description	System shall allow admin to update menu items if they are having promotions, discount, etc.		
Author	Goo Han Cong		

Requirement ID	REQ_F013	Version	1.1
Description	System shall allow admin to create, edit, and delete users		
Author	Marco Setiawan		

Requirement ID	REQ_F014	Version	1.1
Description	System shall allow admin to view order placed by customers in order to prepare meals according to their requirements		
Author	Foo Fang Khai		

Requirement ID	REQ_F015	Version	1.1
Description	System shall allow admin to view reports generated by the application from total sales, reviews and ratings, etc. So that they could make improvements on the downsides of their products or services		
Author	Foo Fang Khai		

Requirement ID	REQ_F016	Version	1.1
Description	System shall be able to send delivery request to riders once order had been placed by the customer		
Author	Marco Setiawan		

Requirement ID	REQ_F017	Version	1.1
Description	System shall allow rider to accept or decline delivery requested from the application		
Author	Marco Setiawan		

Requirement ID	REQ_F018	Version	1.1
Description	System shall allow rider to update order status to notify customers the estimated delivery time		
Author	Goo Han Cong		

Requirement ID	REQ_F019	Version	1.1
Description	System shall be able to logout whenever users want to logout their respective accounts		
Author	Marco Setiawan		

4.3 F001 Register

The functional requirements for Register are as follows:

Requirement ID	REQ_F101	Version	1.1
Description	System shall be able to check if the registration details entered by the customers, admin, and riders is valid		
Author	Goo Han Cong		

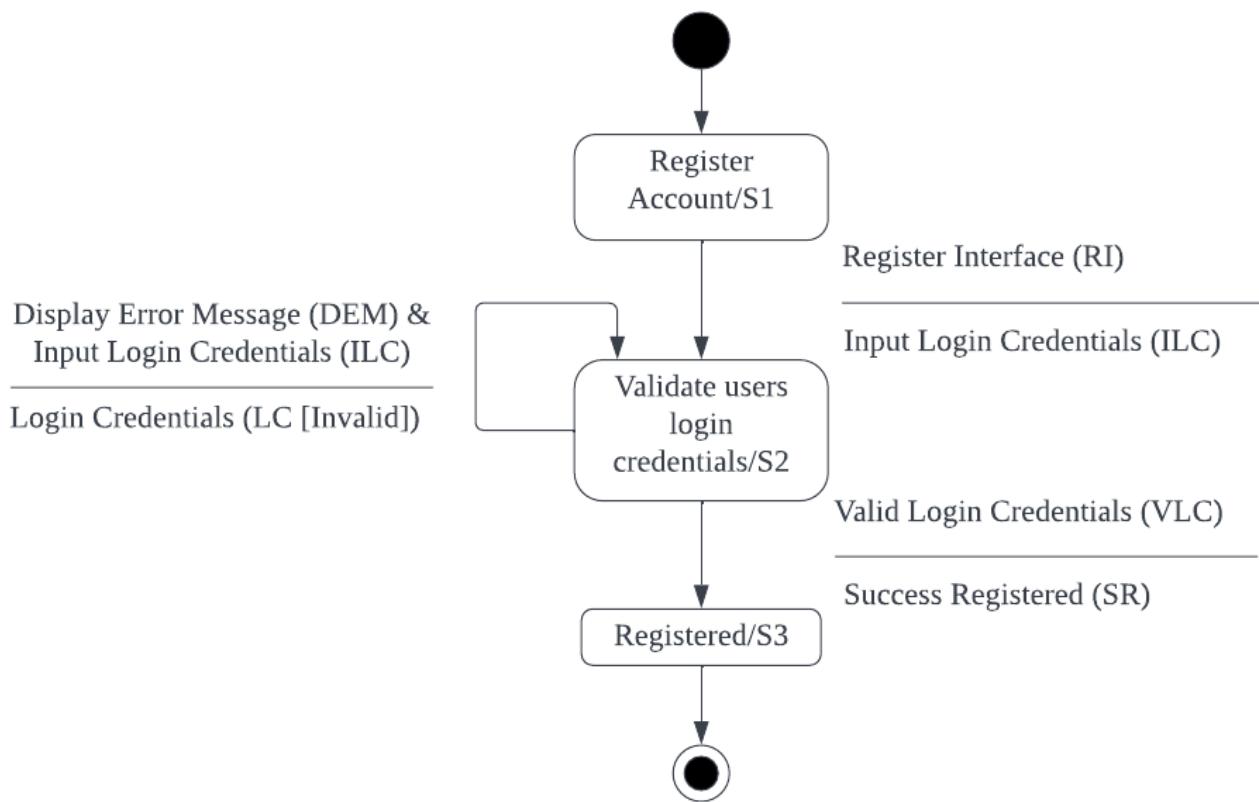
Requirement ID	REQ_F102	Version	1.1
Description	System shall be able to display an error message if any of the details entered are invalid		
Author	Goo Han Cong		

Requirement ID	REQ_F103	Version	1.1
Description	System shall be able to display an error message if the Email and Phone Number is already registered		
Author	Goo Han Cong		

The following Use Case Table (Table 3.0) shows the details of this feature, followed by a state diagram (Figure 2.0) to illustrate the state transition of the feature

Use Case ID	UC001	Version	1.1		
Feature	F001 Register				
Purpose	To allow customers, admin, and riders to register an account to use the system				
Actor	Customer, Admin, and Rider				
Trigger	Users will click on the “Register” option from the login page				
Precondition	<ul style="list-style-type: none"> • Users is on the login page provided with the register option • Users is not successfully logged in 				
Scenario Name	Step	Action			
Main Flow	1	Users (Customers, Admin, and Riders) will click on “Register” option provided in login page			
	2	Users will enter their information such as email or phone number and password			
	3	Details entered are validated			
Alternate Flow – Registration Details are incorrect	1.1	Details entered by users is invalid			
	1.2	System shall display error message according to what is invalid in the details			
	1.3	Repeat step 2			
Alternate Flow – Email or Phone Number already registered	1.1	Email or Phone Number already registered			
	1.2	System shall display an error message showing that either email or phone number has been registered			
	1.3	Repeat step 2			
Rules	<ul style="list-style-type: none"> • Phone Number or Email used to register must be valid • Phone Number or Email should not be registered 				
Author	Goo Han Cong				

Table 3.0

Figure 2.0: State Diagram - Register

S1: The users (Admin, Customers, Rider) will access the registration interface

S2: The users input login credentials. The system will validate the login credentials. If the login credentials are invalid, the system will return to this state (S2)

S3: The users are successfully registered once the login credentials are valid and the interface will direct individual users to login page

4.4 F002 Login

The functional requirements for Login are as follows:

Requirement ID	REQ_F201	Version	1.1
Description	System shall be able to check if the login credentials inputted is valid or invalid.		
Author	Foo Fang Khai		

Requirement ID	REQ_F202	Version	1.1
Description	System shall be able to identify if the user logging in is a customer, admin, or rider		
Author	Foo Fang Khai		

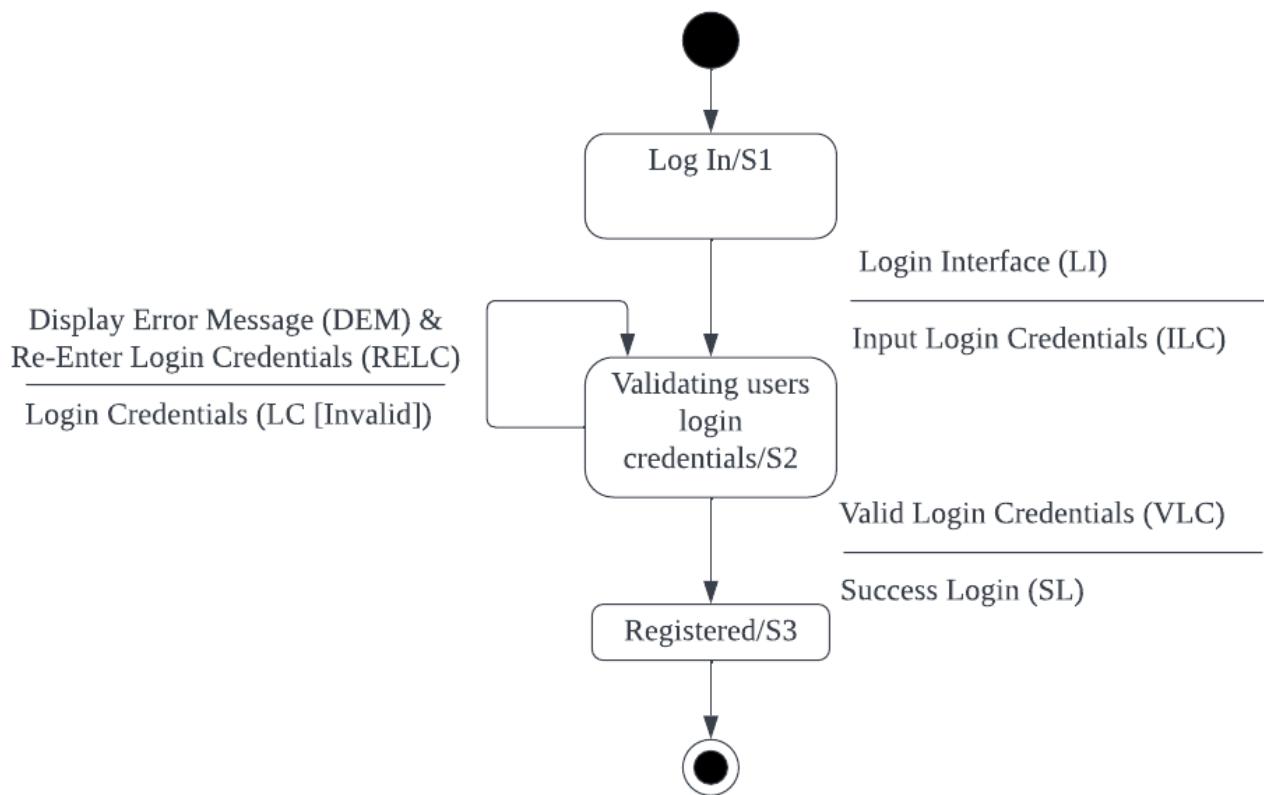
Requirement ID	REQ_F203	Version	1.1
Description	System shall be able to direct individuals to respective pages upon successful log in		
Author	Foo Fang Khai		

Requirement ID	REQ_F204	Version	1.1
Description	System shall be able to display an error message if the phone number, email, or password is invalid.		
Author	Foo Fang Khai		

The following Use Case Table (Table 4.0) shows the details of this feature, followed by a state diagram (Figure 3.0) to illustrate the state transition of the feature

Use Case ID	UC002	Version	1.1		
Feature	F002 Login				
Purpose	To allow users to login to their accounts to use the application				
Actor	Customer, Admin, and Rider				
Trigger	Users will click on the “Login” option from the login page				
Precondition	<ul style="list-style-type: none"> • User is on the login page • User is not logged in 				
Scenario Name	Step	Action			
Main Flow	1	Users (Customers, Admin, and Riders) will click on “Login” option provided in login page			
	2	Users will enter their credentials such as email or phone number, and password			
	3	Login credentials are validated			
Alternate Flow – Login credentials are incorrect	1.1	Login credentials entered by user is invalid (Email, Phone Number, or Password)			
	1.2	System shall display error message according to what is invalid in the details			
	1.3	Repeat step 2			
Rules	<ul style="list-style-type: none"> • Login credentials should be correct 				
Author	Foo Fang Khai				

Table 4.0

Figure 3.0: State Diagram – Login

S1: The users (Admin, Customers, Rider) will access the login interface

S2: The users input login credentials. The system will validate the login credentials. If the login credentials are invalid, the system will return to this state (S2)

S3: The users are successfully login once the login credentials are valid and the interface will direct individual users to their respective homepage

4.5 F003 Select Restaurant

The functional requirements for Select Restaurant are as follows:

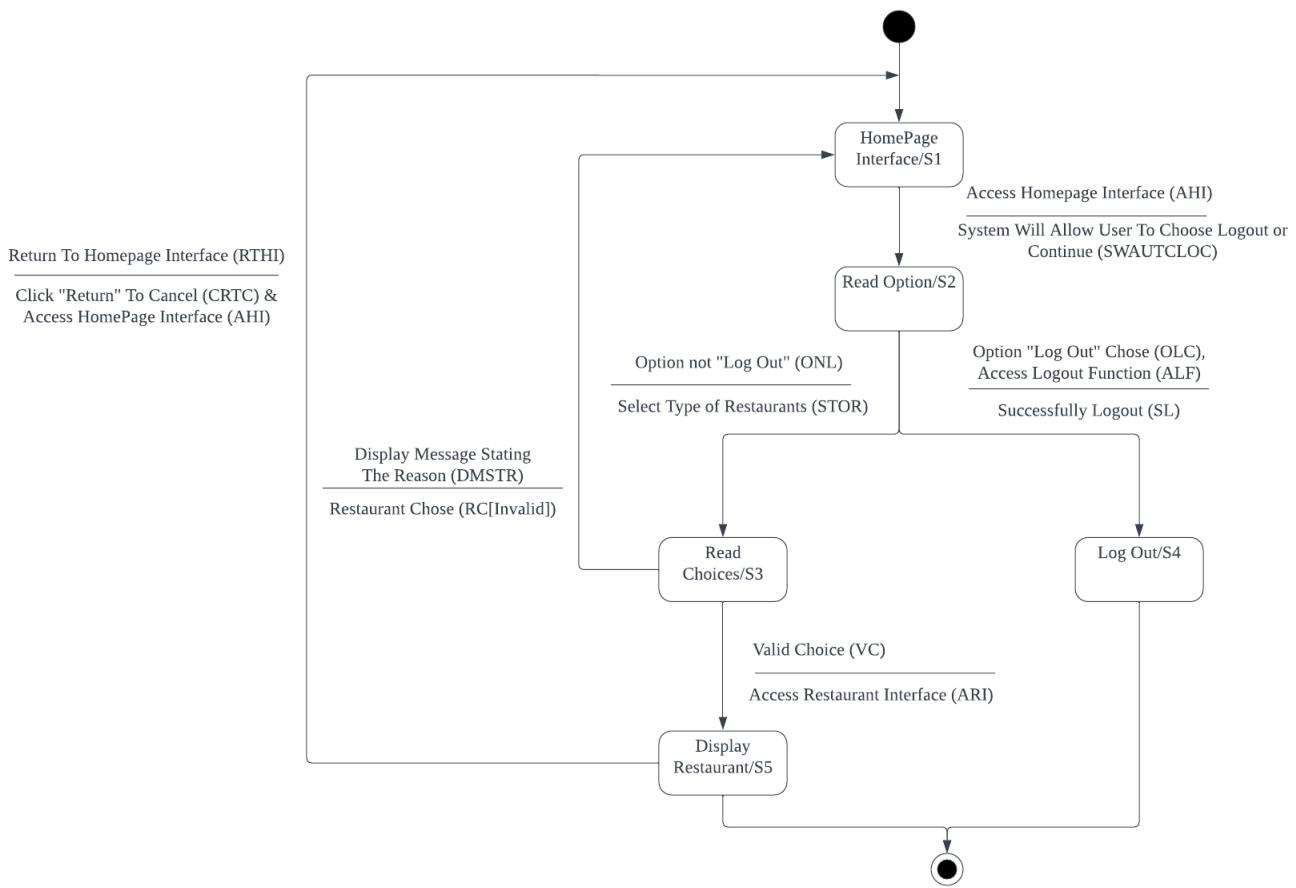
Requirement ID	REQ_F301	Version	1.1
Description	System shall be able to display varieties of restaurants, packages or cuisines such as Asian Foods, Fast Foods, Beverages, and so on to allow customers to select which one they prefer		
Author	Foo Fang Khai		

Requirement ID	REQ_F302	Version	1.1
Description	System shall be able to allow customers to return to the home page whenever they want to change the restaurant they selected		
Author	Foo Fang Khai		

The following Use Case Table (Table 5.0) shows the details of this feature, followed by a state diagram (Figure 4.0) to illustrate the state transition of the feature

Use Case ID	UC003	Version	1.1		
Feature	F003 Select restaurant				
Purpose	To allow customers to select the restaurants they prefer				
Actor	Customer				
Trigger	Customers will click on types of cuisines, restaurants or packages they preferred in the home page				
Precondition	<ul style="list-style-type: none"> • The customers must be logged in • The customers are on the home page 				
Scenario Name	Step	Action			
Main Flow	1	System will display varieties of cuisines, restaurants or packages in the home page			
	2	Customers can scroll and look for which cuisines, restaurants or packages they prefer			
	3	Customers will click on which type of choice they prefer			
Alternate Flow – Change of restaurant	1.1	Customer will click on the “Return” option			
	1.2	System shall be able to return to the home page when customers decided to change the restaurant they selected			
	1.3	Repeat step 1			
Alternate Flow – Log Out	1.1	Customer will click on the “Log Out”			
	1.2	System shall be able to allow the customers to log out			
Rules	-				
Author	Foo Fang Khai				

Table 5.0

Figure 4.0: State Diagram – Select Restaurant


S1: The customers will access the Homepage Interface

S2: System will have the option provided for customers to log out and the system will read the option chose by the customers

S3: The customer will choose the restaurants they prefer, then the system will validate whether the restaurant is open or not. If it is not, return to this state (S1)

S4: The system will log out if the customer chose "Log Out"

S5: The system will display the restaurant and access the restaurant interface to display menu to the customer. The customer can click on "Return" if they are dissatisfied and return to this state (S1)

4.6 F004 View Menu

The functional requirements for View Menu are as follows:

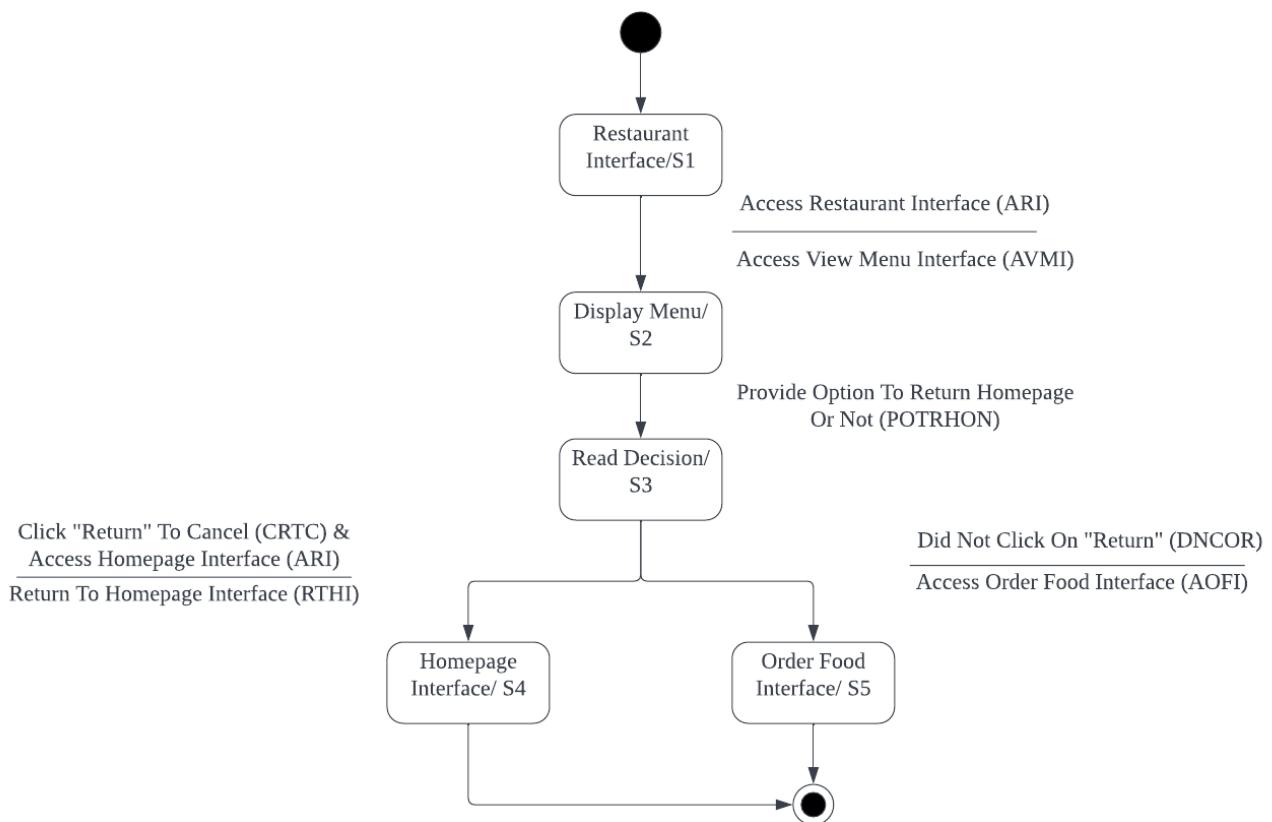
Requirement ID	REQ_F401	Version	1.1
Description	System shall be able to display the menu of the restaurant that the user chose.		
Author	Marco Setiawan		

Requirement ID	REQ_F402	Version	1.1
Description	System shall be able to allow customers to return to the home page whenever they feel dissatisfied with the menu		
Author	Marco Setiawan		

The following Use Case Table (Table 6.0) shows the details of this feature, followed by a state diagram (Figure 5.0) to illustrate the state transition of the feature

Use Case ID	UC004	Version	1.1		
Feature	F004 View menu				
Purpose	To allow customer to view menu				
Actor	Customer				
Trigger	When customers had selected a restaurant				
Precondition	<ul style="list-style-type: none"> • The customers must select a restaurant • The customers are on the view menu page 				
Scenario Name	Step	Action			
Main Flow	1	System will display menu			
	2	Customers can scroll and look for types of foods, drinks, and so on			
Alternate Flow – Dissatisfied with the menu	1.1	Customer will click on the “Return” option			
	1.2	System shall be able to return to the home page when customers were dissatisfied with the menu			
	1.3	Return to select restaurant function and repeat process			
Rules	-				
Author	Marco Setiawan				

Table 6.0

Figure 5.0: State Diagram – View Menu

S1: The customers will access the Restaurant Interface

S2: After accessing the Restaurant Interface, the customer will automatically access the View Menu Interface and the system will display the menu

S3: The system will read the decision from the customers whether they would like to return to homepage or not

S4: Decision chose “Return”, then the system will access the homepage interface and return to homepage

S5: Decision not “Return”, then the system will access the order food interface for customer to place order

4.7 F005 Order Food

The functional requirements for Order Food are as follows:

Requirement ID	REQ_F501	Version	1.1
Description	System shall be able to allow customers to add selected foods or drinks to the cart		
Author	Goo Han Cong		

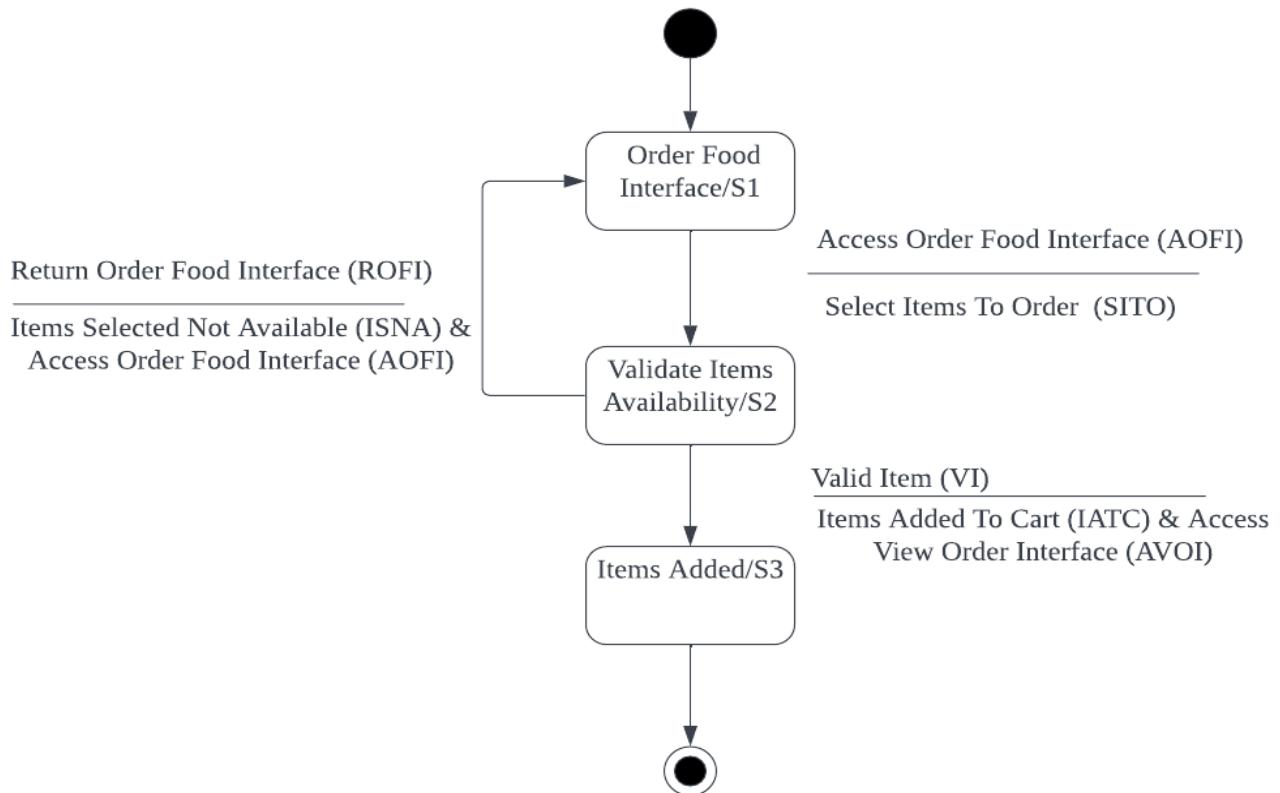
Requirement ID	REQ_F502	Version	1.1
Description	System shall be able to allow customers to select the quantity needed		
Author	Goo Han Cong		

The following Use Case Table (Table 7.0) shows the details of this feature, followed by a state diagram (Figure 6.0) to illustrate the state transition of the feature

Use Case ID	UC005	Version	1.1
Feature	F005 Order food		
Purpose	To allow customer to order foods that they prefer from the menu		
Actor	Customer		
Trigger	<ul style="list-style-type: none"> • Customer will click on the foods they prefer and choose the quantity needed 		
Precondition	<ul style="list-style-type: none"> • The customers must select a restaurant • The customers are on the view menu page 		
Scenario Name	Step	Action	
Main Flow	1	Customers are able to add selected foods or drinks to cart in the view menu page	
	2	Customers can select the quantity needed	
Alternate Flow –	-	-	
Rules	-		
Author	Goo Han Cong		

Table 7.0

Figure 6.0: State Diagram – Order Food



S1: The customers will access the order food interface

S2: Upon accessing the place order interface, user will select product to order. System will validate whether the items are available or not. If not available, will return to this state (S1)

S3: System will add the items selected to the cart and access the view order interface for customer to view order summary

4.8 F006 View Order

The functional requirements for View Order are as follows:

Requirement ID	REQ_F601	Version	1.1
Description	System shall be able to display what the customers had ordered		
Author	Goo Han Cong		

Requirement ID	REQ_F602	Version	1.1
Description	System shall be able to allow customers to change the quantity of foods needed		
Author	Goo Han Cong		

Requirement ID	REQ_F603	Version	1.1
Description	System shall be able to allow customers to return to the order food function whenever they want to add other varieties of foods		
Author	Goo Han Cong		

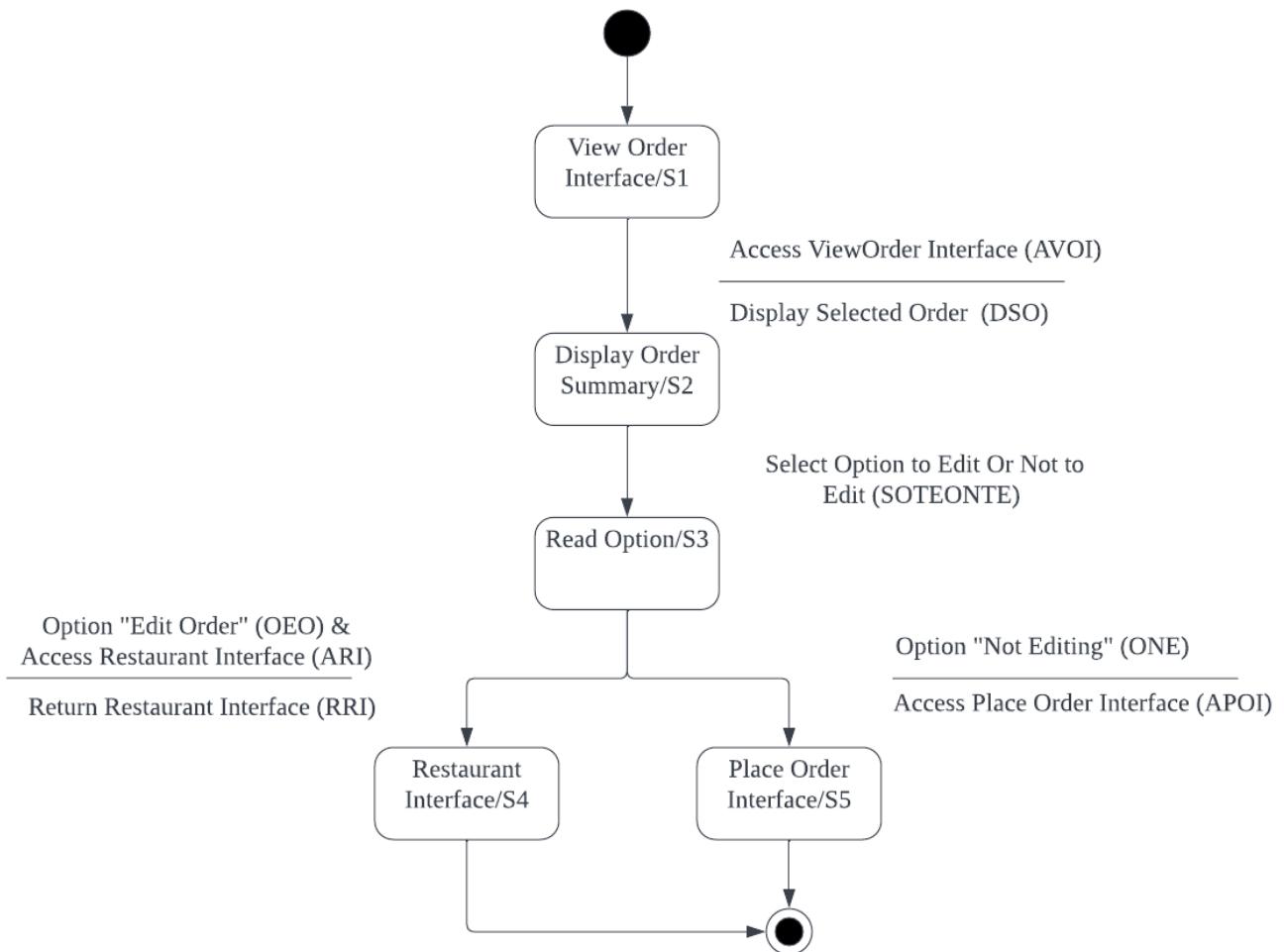
The following Use Case Table (Table 8.0) shows the details of this feature, followed by a state diagram (Figure 7.0) to illustrate the state transition of the feature

Use Case ID	UC006	Version	1.1
Feature	F006 View order		
Purpose	To allow customer to view order placed		
Actor	Customer		
Trigger	When customers click on the “View Order” option provided		
Precondition	<ul style="list-style-type: none"> • The customers must order food before viewing order • The customers are on the view order page 		
Scenario Name	Step	Action	
Main Flow	1	Customer click on the “View Order” option	
	2	System should display what the customers had ordered in the order summary	
	3	Customer can either add or reduce the quantity of selected	

		foods
Alternate Flow – Add order	1.1	Customer will click on the “Edit Order” option
	1.2	Return to the view menu function and repeat process
Rules	-	
Author	Goo Han Cong	

Table 8.0

Figure 7.0: State Diagram – View Order



S1: The customer will access the view order interface

S2: Upon accessing the view order interface, the system will read the selected order and display the order summary to the customer

S3: System will read the option chosen by the user whether it is to edit or not to edit

S4: System will return to restaurant interface to allow customers to view menu and edit items (either to add or remove items) when option chosen is not “Return” in restaurant interface

S5: System will access the place order interface to allow customers to place order

4.9 F007 Place Order

The functional requirements for Place Order are as follows:

Requirement ID	REQ_F701	Version	1.1
Description	System shall be able to confirm order after the customers have already clicked the order button to approve the order.		
Author	Foo Fang Khai		

Requirement ID	REQ_F702	Version	1.1
Description	System shall be able to allow customers to return to the view order function whenever they want to add other varieties of foods		
Author	Foo Fang Khai		

Requirement ID	REQ_F703	Version	1.1
Description	System shall be able to display the order summary, payment type and address		
Author	Foo Fang Khai		

Requirement ID	REQ_F704	Version	1.1
Description	System shall be able to validate whether the payment details is valid or not		
Author	Foo Fang Khai		

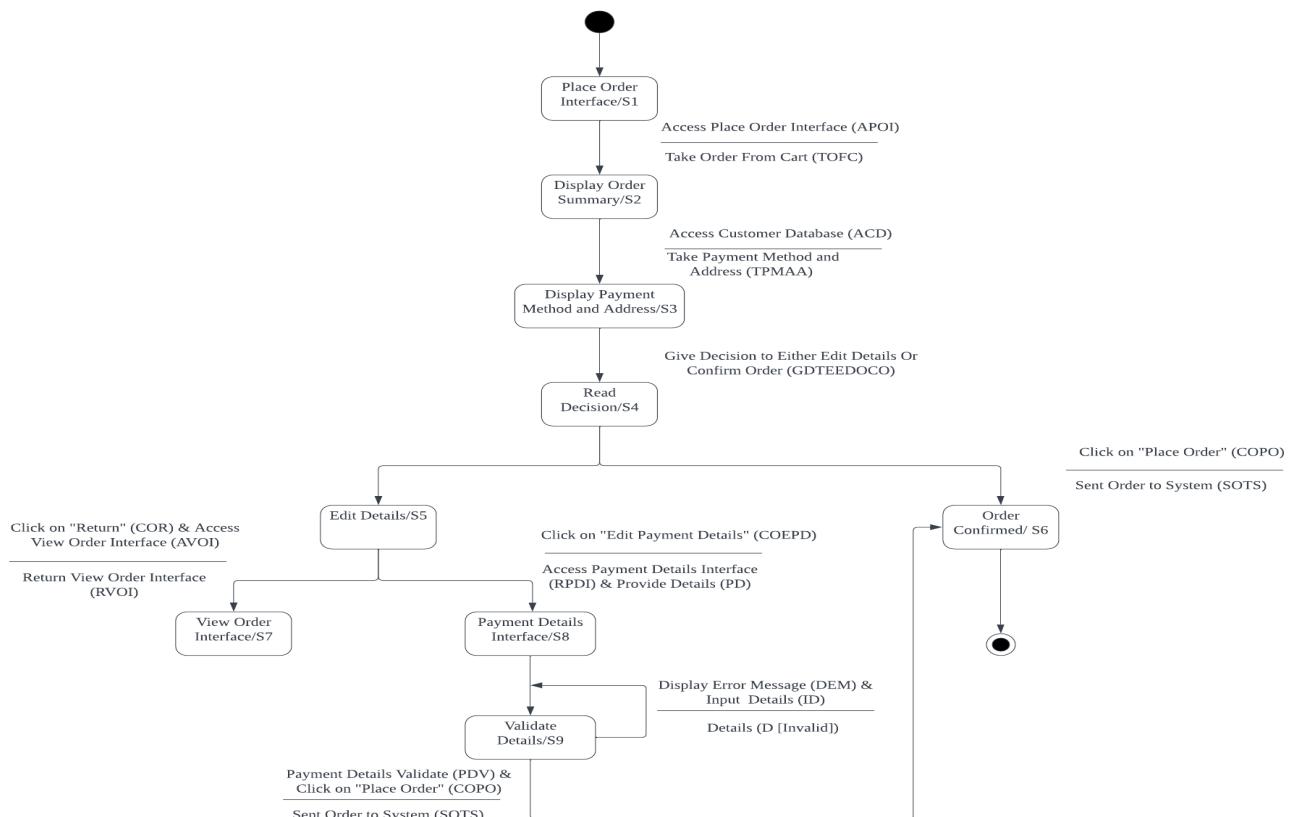
Requirement ID	REQ_F705	Version	1.1
Description	System shall be able to display an error message regarding the invalid payment details		
Author	Foo Fang Khai		

The following Use Case Table (Table 9.0) shows the details of this feature, followed by a state diagram (Figure 8.0) to illustrate the state transition of the feature

Use Case ID	UC007	Version	1.1
Feature	F007 Place order		
Purpose	To allow customer to place order and review the payment method, delivery address, and order summary		
Actor	Customer		
Trigger	When customers click on the “Place Order” option provided		
Precondition	<ul style="list-style-type: none"> • The customers must view the order before placing order • The customers are on the place order page 		
Scenario Name	Step	Action	

Main Flow	1	System should display what the customers had ordered in the order summary
	2	System will also display the payment method and address
	3	Customer can change the payment method and address
	4	Customer will click on the “Place Order” option
	5	Payment details validated
	6	Order confirmed by the system
Alternate Flow – Add or Cancel order	1.1	Customer will click on the “Return” Option
	1.2	Return to the view order function and repeat the process
Alternate Flow – Change Payment Details	1.1	Customer will click on the “Edit Payment Details” option
	1.2	Customer should enter valid details and details will be validated by the system
Alternate Flow – Invalid payment details	1.1	Payment details are invalid
	1.2	System shall display an error message regarding which payment details are invalid
Rules	<ul style="list-style-type: none"> • Payment details must be valid 	
Author	Foo Fang Khai	

Table 9.0

Figure 8.0: State Diagram – Place Order


S1: The customers will access the place order interface, then the system will take order from the cart

S2: System will display order summary, then it will access customer database to take payment method and address

S3: System will display payment method and address and provide the user to choose either Edit Details or Confirm Order

S4: System will read decision given by the user, which is either Edit Details or Confirm Order

S5: Decision chose “Edit Details”, the customers will have to choose either to edit payment details or return to view order interface to edit orders

S6: Decision chose “Place Order”, the order chosen will be send to the system

S7: Decision chose “Return”, the system will direct the customers to the view order interface to edit orders

S8: Decision chose “Edit Payment Details”, the system will direct customers to the payment details interface and allow them to provide new payment details

S9: After the customers had already input the payment details, the system will validate the payment details. If the details are invalid, the system will display an error message and ask customers to input details again. If payment details are valid, the system will finalize the payment details and the customers will click on “Place Order” and the order will be send to the system

4.10 F008 Reviews and Ratings

The functional requirements for Reviews and Ratings are as follows:

Requirement ID	REQ_F801	Version	1.1
Description	System shall be able to display the restaurants and meals selected for customers to give reviews and ratings		
Author	Marco Setiawan		

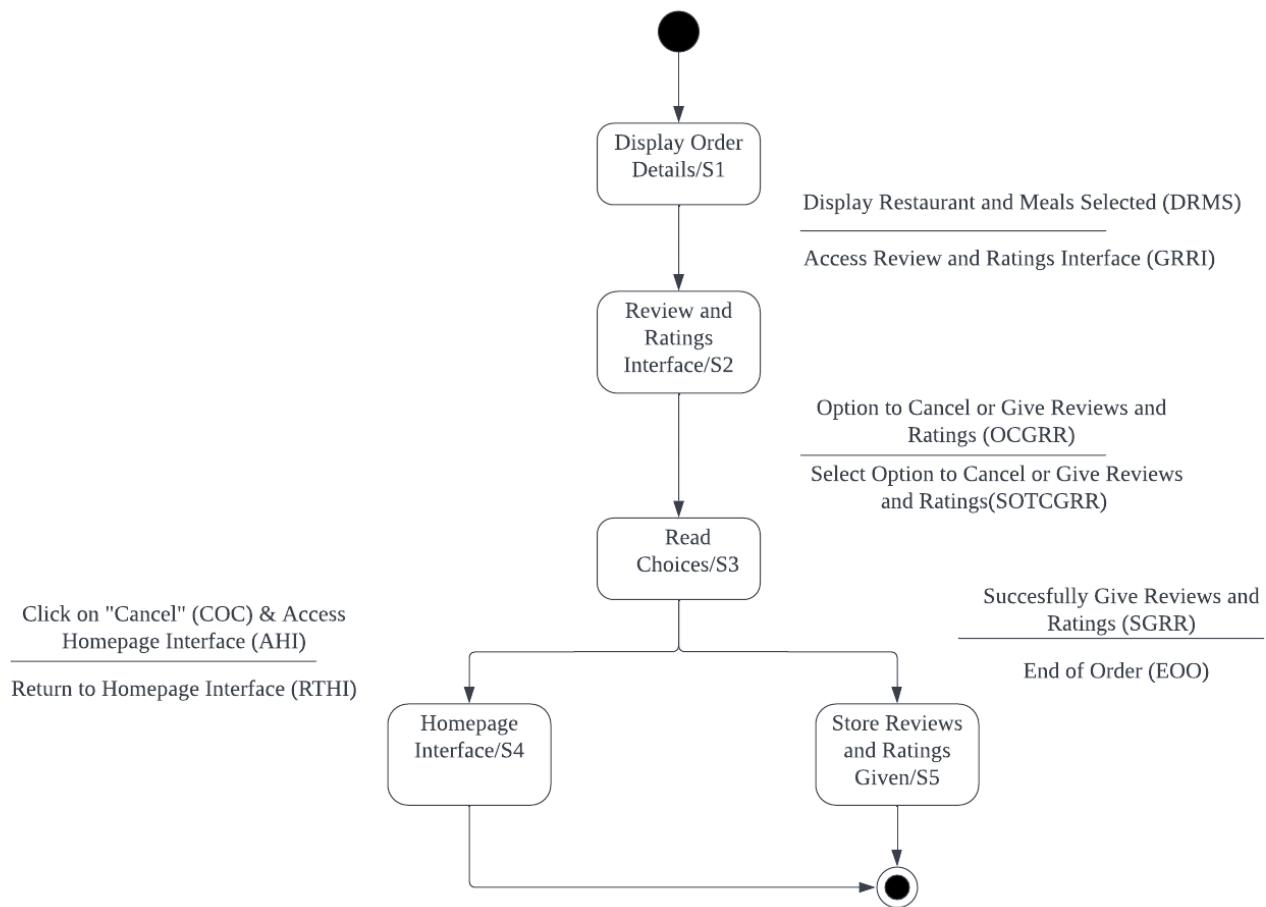
Requirement ID	REQ_F802	Version	1.1
Description	System shall be able to allow customer to give ratings from (1 – 5) stars		
Author	Marco Setiawan		

Requirement ID	REQ_F803	Version	1.1
Description	System shall be able to allow customer to give reviews if rating given was below average		
Author	Marco Setiawan		

The following Use Case Table (Table 10.0) shows the details of this feature, followed by a state diagram (Figure 9.0) to illustrate the state transition of the feature

Use Case ID	UC008	Version	1.1		
Feature	F008 Reviews and Ratings				
Purpose	To allow customer to give reviews and ratings based on the food quality				
Actor	Customer				
Trigger	Customer clicks “Give Reviews and Ratings” option				
Precondition	<ul style="list-style-type: none"> • After order status (delivered) was updated • Customer are on the reviews and ratings page 				
Scenario Name	Step	Action			
Main Flow	1	Customer click on the “Give Reviews and Ratings” option			
	2	System will display the restaurants and meals selected by the customer			
	3	Customer will give ratings from (1 – 5) stars according to the food quality			
	4	System shall allow customer to give reviews if rating given was below average			
Alternate Flow – No reviews and ratings given	1.1	Customer will click on the “Cancel” option			
	1.2	Return to homepage			
Rules	-				
Author	Marco Setiawan				

Table 10.0

Figure 9.0: State Diagram – Reviews and Ratings

S1: The system will display the selected restaurant and meals, then the customers will access the reviews and ratings interface

S2: Upon accessing reviews and ratings interface, system will provide option for the customers to either give or not to give reviews and ratings

S3: System will read the choice chose by the customers

S4: Choice “Cancel” chose, the system will access homepage interface and return to homepage

S5: Choice not “Cancel”, the system will allow customers to give reviews and ratings, then the order status will end once reviews and ratings given and feedbacks will be stored

4.11 F009 Generate Receipt

The functional requirements for Generate Receipt are as follows:

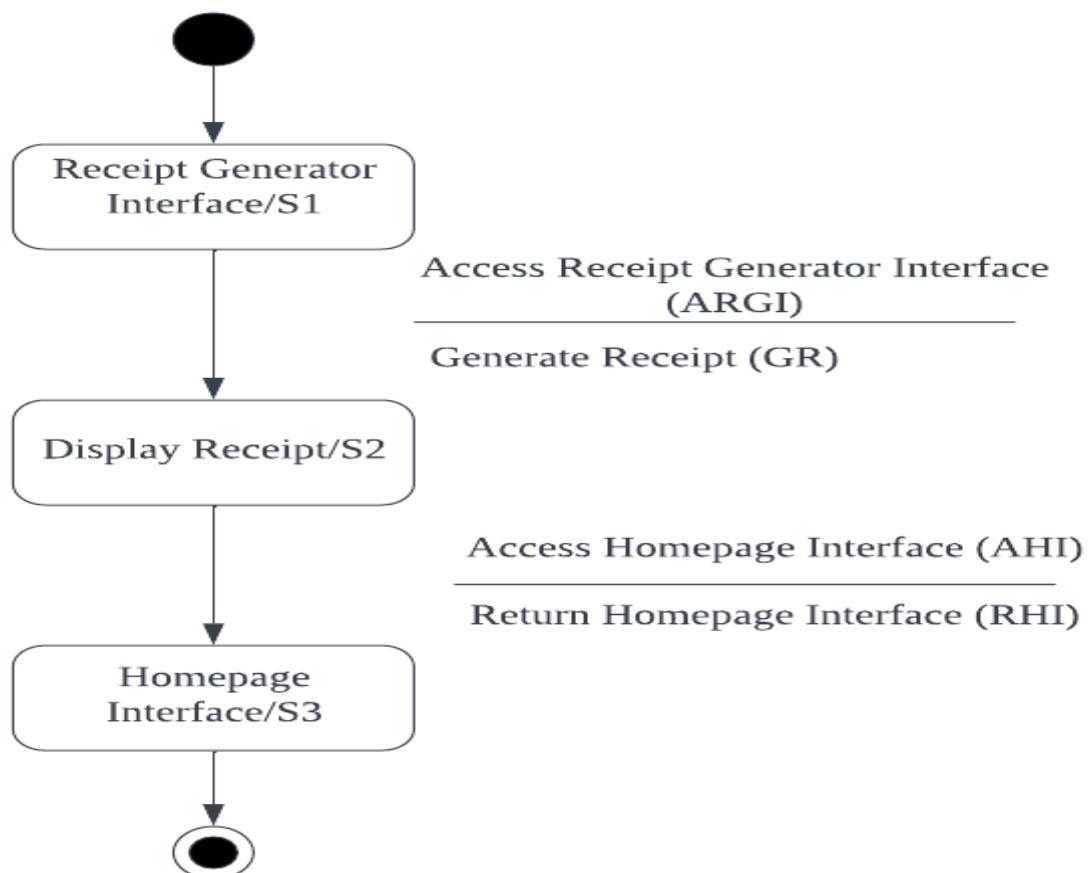
Requirement ID	REQ_F901	Version	1.1
Description	System shall be able to display details about the order summary, payment details, and the delivery address		
Author	Goo Han Cong		

The following Use Case Table (Table 11.0) shows the details of this feature, followed by a state diagram (Figure 10.0) to illustrate the state transition of the feature

Use Case ID	UC009	Version	1.1
Feature	F009 Generate receipt		
Purpose	To allow customer to receive receipt after order was placed		
Actor	Customer		
Trigger	When customer placed an order		
Precondition	<ul style="list-style-type: none"> • After order was placed 		
Scenario Name	Step	Action	
Main Flow	1	System will display the details about the order summary, payment details, and the delivery address	
	2	Return homepage	
Alternate Flow –	-	-	
Rules	-		
Author	Goo Han Cong		

Table 11.0

Figure 10.0: State Diagram – Generate Receipt



S1: The customers will be directed to receipt generator interface once order was placed

S2: After being directed to the interface, the system will generate the receipt with details of order summary, payment details, and address which will be displayed to the customers

S3: After receipt was being displayed, the system will access homepage interface and return to homepage

4.12 F010 Order Confirmation

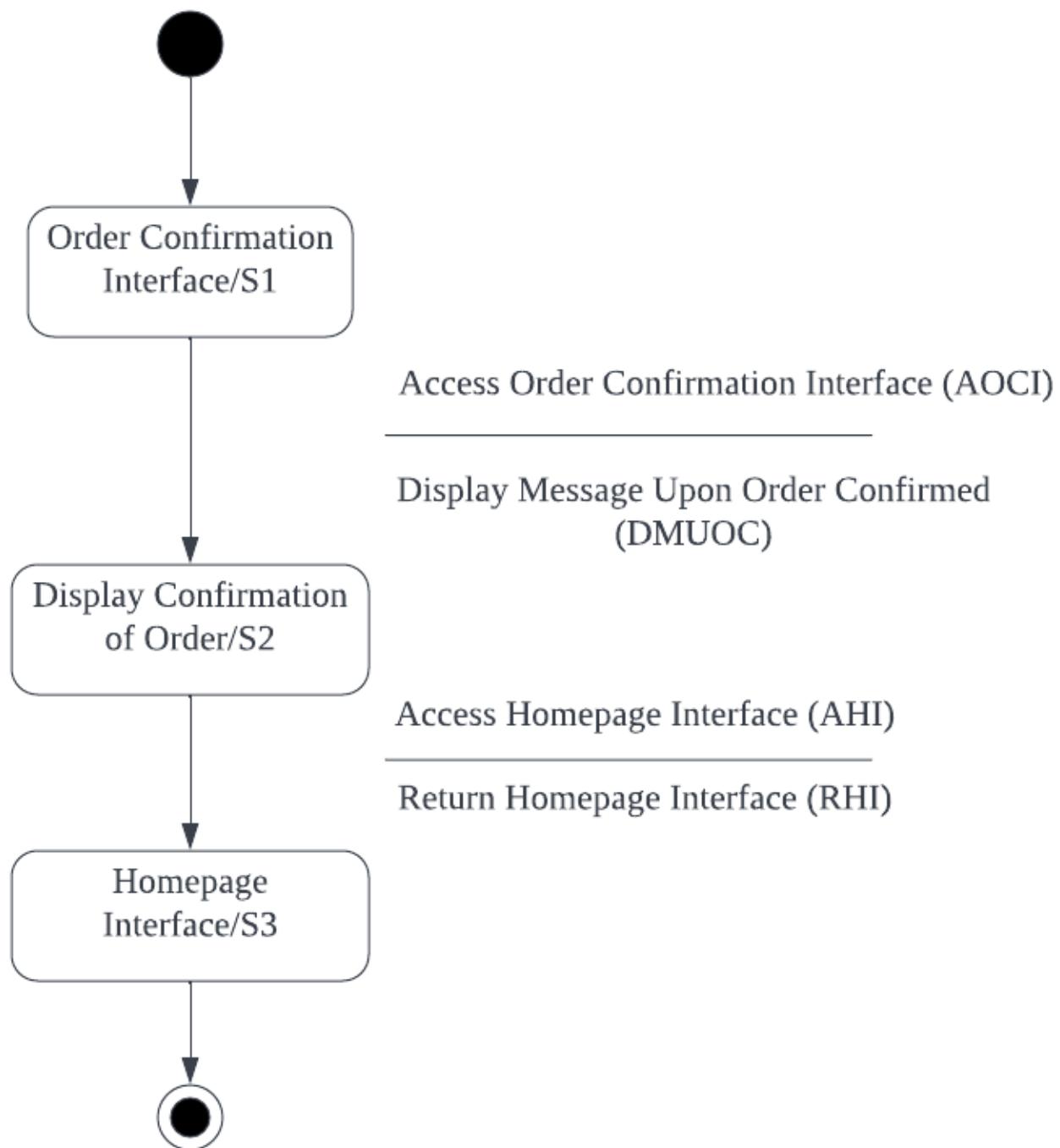
The functional requirements for Order Confirmation are as follows:

Requirement ID	REQ_F1001	Version	1.1
Description	System shall be able to notify customers that their orders had been confirmed		
Author	Marco Setiawan		

The following Use Case Table (Table 12.0) shows the details of this feature, followed by a state diagram (Figure 11.0) to illustrate the state transition of the feature

Use Case ID	UC010	Version	1.1		
Feature	F010 Order confirmation				
Purpose	To allow customers to know that their orders had been confirmed				
Actor	Customer				
Trigger	When customer placed an order				
Precondition	<ul style="list-style-type: none"> • After order was placed 				
Scenario Name	Step	Action			
Main Flow	1	System will display a message to the customer stating that “Your order had been received”			
	2	Return homepage			
Alternate Flow –	-	-			
Rules	-				
Author	Marco Setiawan				

Table 12.0

Figure 11.0: State Diagram – Order Confirmation

S1: The customers will be directed to order confirmation interface once order was placed

S2: After being directed to the interface, the system will display a message “Your Order Had Been Received” to the customer

S3: After the message was being displayed to the customers upon the confirmation of order, the system will access homepage interface and return homepage

4.13 F011 Order Confirmation

The functional requirements for Order Tracker are as follows:

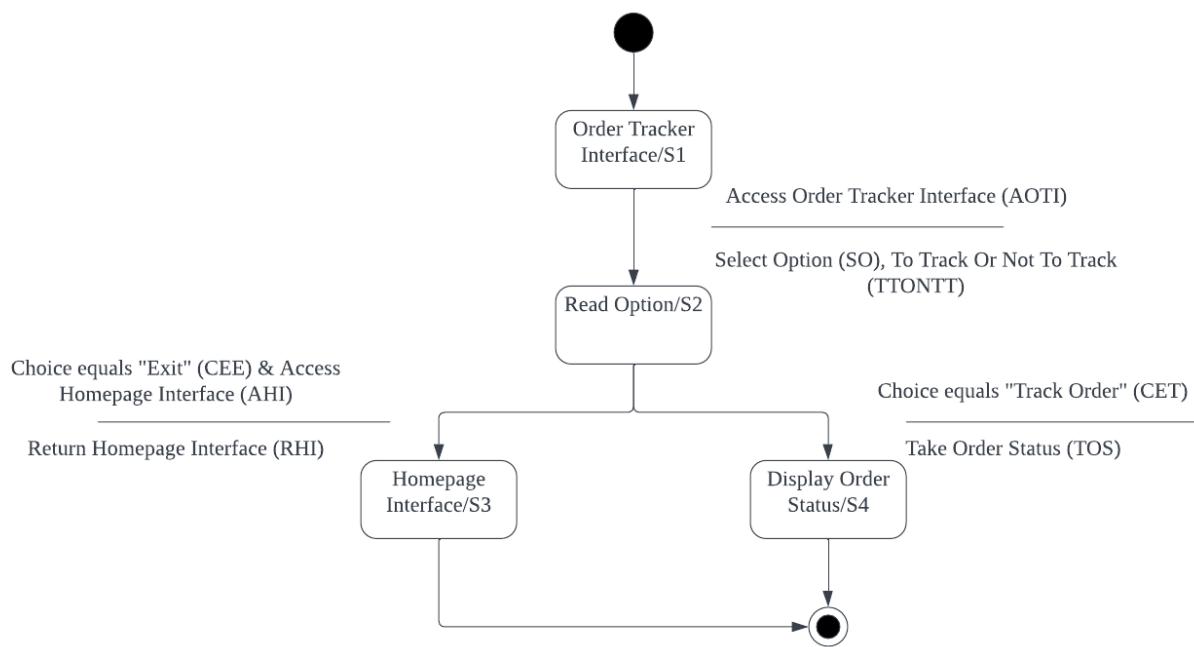
Requirement ID	REQ_F1101	Version	1.1
Description	System shall be able to direct customers to order status page		
Author	Foo Fang Khai		

Requirement ID	REQ_F1102	Version	1.1
Description	System shall be able to display the order status with details of estimated delivery time and order summary		
Author	Foo Fang Khai		

The following Use Case Table (Table 13.0) shows the details of this feature, followed by a state diagram (Figure 12.0) to illustrate the state transition of the feature

Use Case ID	UC011	Version	1.1		
Feature	F011 Order tracker				
Purpose	To allow customer to track their orders				
Actor	Customer				
Trigger	Customer click on “Track Order” option				
Precondition	<ul style="list-style-type: none"> • After order was confirmed 				
Scenario Name	Step	Action			
Main Flow	1	Customer click on the “Track Order” option			
	2	System will direct customer to the order status page			
	3	System will display the order status with details of estimated delivery time and order summary			
Alternate Flow – Exit order tracker	1.1	Customer click on the “Exit” option			
	1.2	Return to home page			
Rules	-				
Author	Foo Fang Khai				

Table 13.0

Figure 12.0: State Diagram – Order Tracker


S1: The customers will access the order tracker interface

S2: After being accessed to the interface, the customer will choose either to track or not to track the order. After option chose, the system will read the option

S3: Option “Exit” chose, the system will access homepage interface and return homepage

S4: Option “Track Order” chose, the system will display the order status with details of estimated delivery time and order summary to the customer

4.14 F012 Update Menu

The functional requirements for Update Menu are as follows:

Requirement ID	REQ_F1201	Version	1.1
Description	System shall be able to direct admin to the menu page		
Author	Goo Han Cong		

Requirement ID	REQ_F1202	Version	1.1
Description	System shall be able to display the changes of the menu items		
Author	Goo Han Cong		

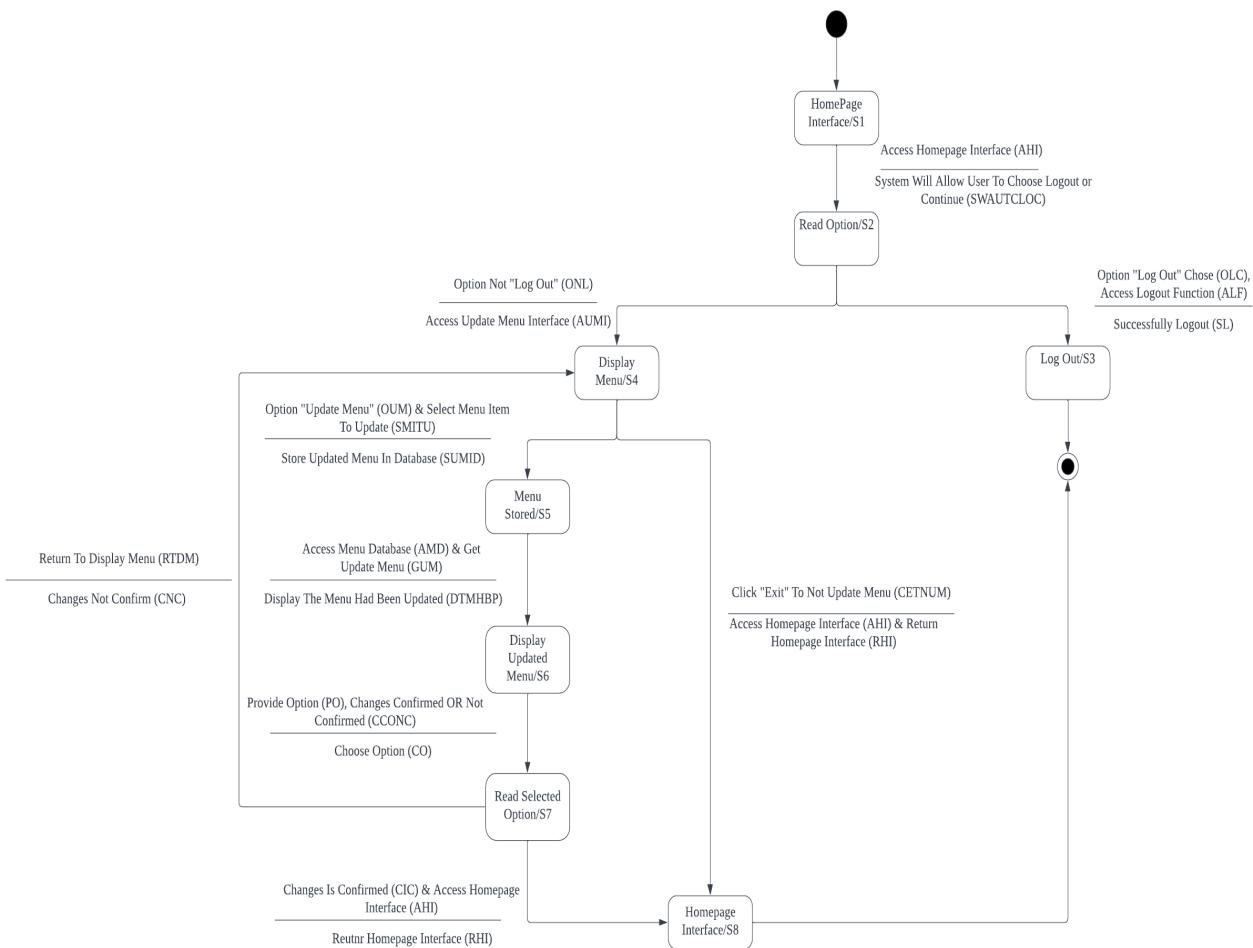
Requirement ID	REQ_F1203	Version	1.1
Description	System shall be able to confirm the changes of the menu items		
Author	Goo Han Cong		

The following Use Case Table (Table 14.0) shows the details of this feature, followed by a state diagram (Figure 13.0) to illustrate the state transition of the feature

Use Case ID	UC012	Version	1.1		
Feature	F012 Update menu				
Purpose	To allow admin to update menu items				
Actor	Admin				
Trigger	Admin click on “Update Menu” option				
Precondition	<ul style="list-style-type: none"> • The admin must be logged in • The admin is on the home page 				
Scenario Name	Step	Action			
Main Flow	1	Admin click on the “Update Menu” option			
	2	System will direct the admin to the menu page			
	3	Admin will be updating the menu items from the menu			
	4	System will display the changes of the menu items			
	5	System will prompt for confirmation from admin whether the changes of menu items is correct or not			
	6	Changes confirmed by the system			
Alternate Flow – Exit update menu function	1.1	Admin click on the “Exit” option			
	1.2	Return to home page			
Alternate Flow – Changes not confirmed	1.1	Admin did not confirm on the changes of the menu items			
	1.2	Repeat step 2			
Rules	<ul style="list-style-type: none"> • Changes must be confirmed 				
Author	Goo Han Cong				

Table 14.0

Figure 13.0: State Diagram – Update Menu



S1: The admin will access the homepage interface and the system will allow admin to choose either log out or not to log out

S2: The system will read option chose by the admin

S3: Option “Log Out” chose, the system will direct the admin to the log out function and display message “Logged Out”

S4: Option not “Log Out”, the system will access the update menu interface and display the menu where option will be given to the admin either to update or not to update the menu

S5: Option “Update Menu” chose, the admin will update the latest menu and the updated menu will be stored in the menu database

S6: After storing the menu in the database, the system will get the updated menu from the database and display to the admin and option will be provided to the admin whether the changes is confirm or not confirm

S7: The system will read the option chosen by the admin. Option “Not Confirm” chose, return to this state (S4)

S8: Option “Confirmed” chose or Option “Exit” chose in S4, the system will access the homepage interface and return homepage

4.15 F013 Manage User

The functional requirements for Manage User are as follows:

Requirement ID	REQ_F1301	Version	1.1
Description	System shall be able to direct admin to the manage user page		
Author	Marco Setiawan		

Requirement ID	REQ_F1302	Version	1.1
Description	System shall be able to allow admin to create, delete, and edit users		
Author	Marco Setiawan		

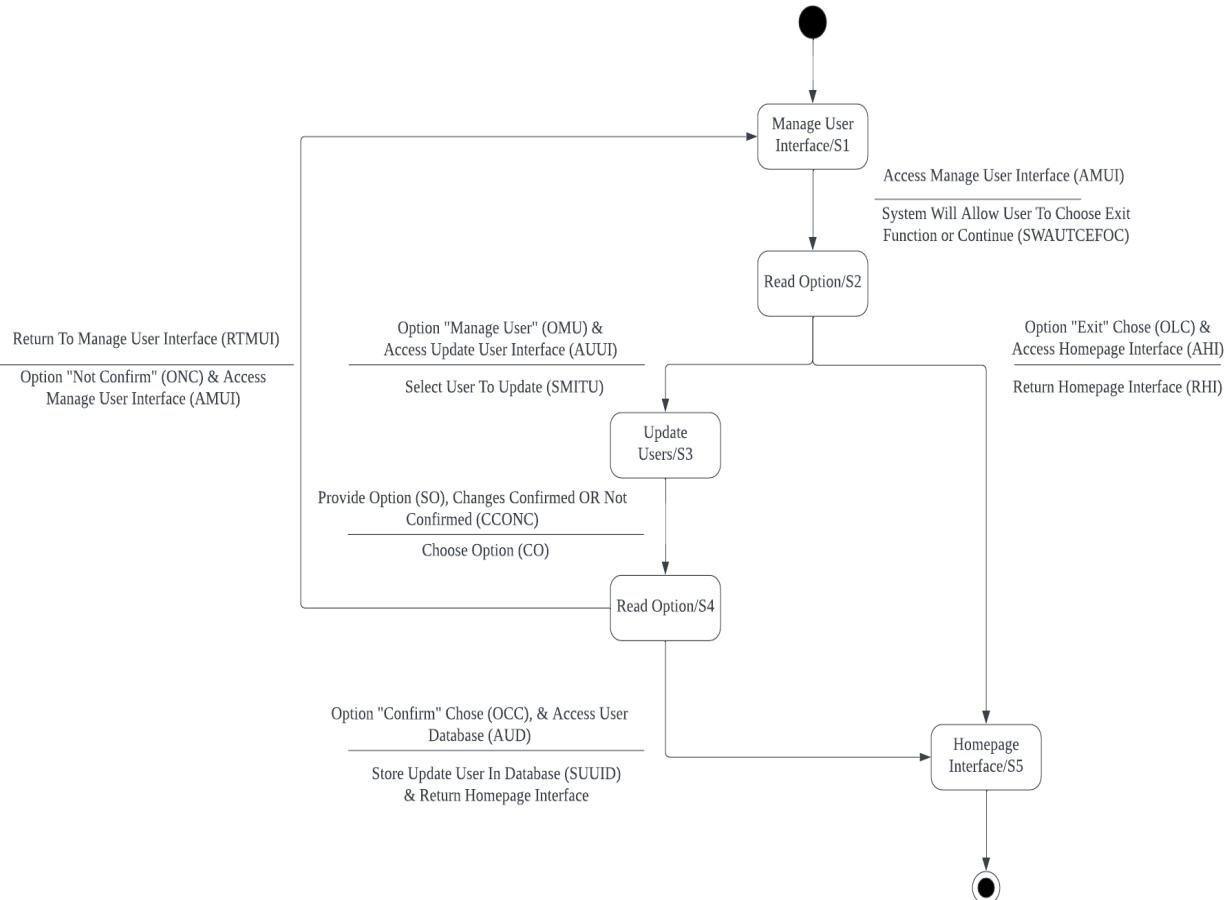
Requirement ID	REQ_F1303	Version	1.1
Description	System shall be able to confirm the changes of the users from the admin		
Author	Marco Setiawan		

The following Use Case Table (Table 15.0) shows the details of this feature, followed by a state diagram (Figure 14.0) to illustrate the state transition of the feature

Use Case ID	UC013	Version	1.1
Feature	F013 Manage user		
Purpose	To allow admin to create, edit, and delete users		
Actor	Admin		
Trigger	Admin click on “Manage User” option		
Precondition	<ul style="list-style-type: none"> • The admin must be logged in • The admin is on the home page 		
Scenario Name	Step	Action	
Main Flow	1	Admin click on the “Manage User” option	
	2	System will direct the admin to the manage user page	
	3	Admin will create, edit, and delete users	
	4	System will prompt for confirmation from admin whether the changes of users is correct or not	
	5	Changes confirmed by the system	
Alternate Flow – Exit manage user function	1.1	Admin click on the “Exit” option	
	1.2	Return to home page	
Alternate Flow – Changes not confirmed	1.1	Admin did not confirm on the changes of the users	

	1.2	Repeat step 2
Rules	• Changes must be confirmed	
Author	Marco Setiawan	

Table 15.0

Figure 14.0: State Diagram – Manage User


S1: The admin will access manage user interface and the system will allow the admin to choose either to exit the function or continue

S2: The system will read the option chose

S3: Option “Manage User” chose, the system will access the update user interface and allow admin to select users to update

S4: Option will be provided to the admin whether the changes are confirmed or not. The admin will choose the option and the system will read the option. Option “Not Confirm” chose, return to this state (S1)

S5: Option “Confirmed” chose or Option “Exit” chose in S1, the system will access the homepage interface and return homepage

4.16 F014 View Customer Orders

The functional requirements for View Customer Orders are as follows:

Requirement ID	REQ_F1401	Version	1.1
Description	System shall be able to direct admin to the view customer order page		
Author	Foo Fang Khai		

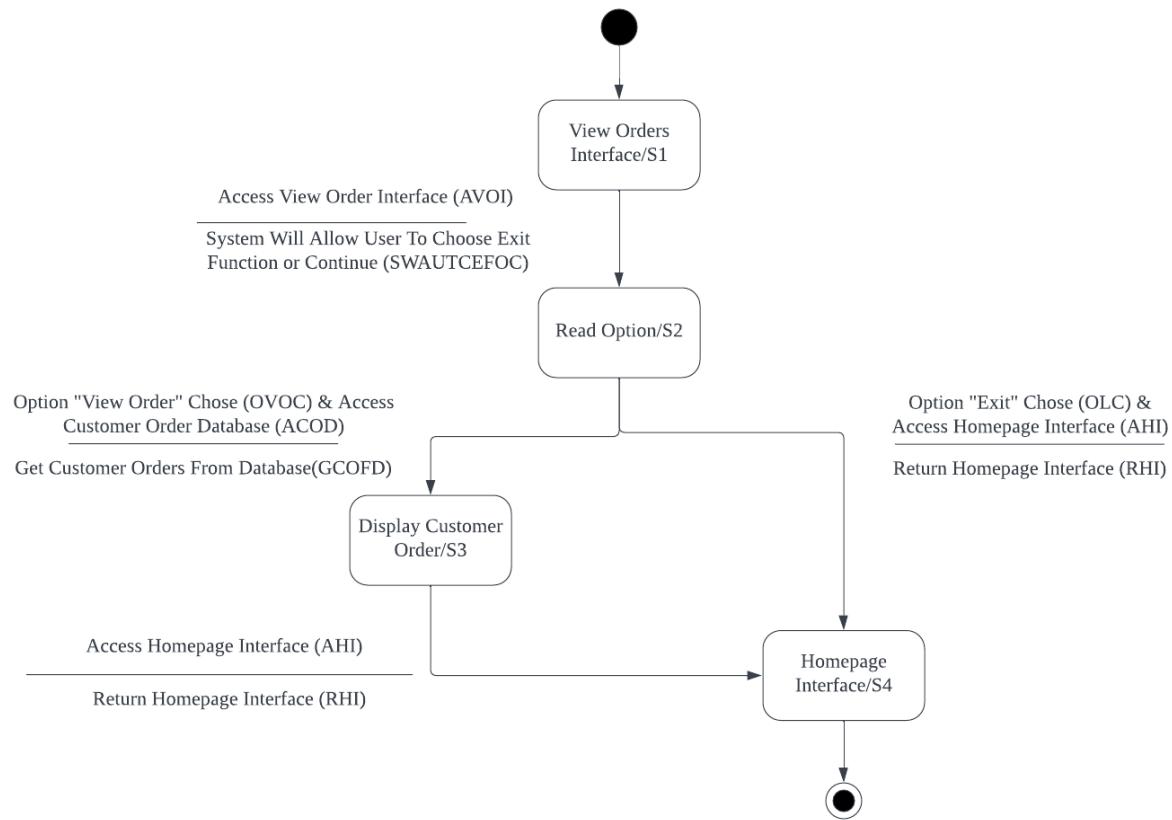
Requirement ID	REQ_F1402	Version	1.1
Description	System shall be able to display customer orders for the admin to prepare foods according to their requirements		
Author	Foo Fang Khai		

The following Use Case Table (Table 16.0) shows the details of this feature, followed by a state diagram (Figure 15.0) to illustrate the state transition of the feature

Use Case ID	UC014	Version	1.1		
Feature	F014 View customer orders				
Purpose	To allow admin to view orders placed by customers				
Actor	Admin				
Trigger	Admin click on “View Orders” option				
Precondition	<ul style="list-style-type: none"> • The admin must be logged in • The admin is on the home page 				
Scenario Name	Step	Action			
Main Flow	1	Admin click on the “View Orders” option			
	2	System will direct the admin to the view customer order page			
	3	System will display customers orders for the admin to prepare foods			
Alternate Flow – Exit view order function	1.1	Admin click on the “Exit” option			
	1.2	Return to home page			
Rules	-				
Author	Marco Setiawan				

Table 16.0

Figure 15.0: State Diagram – View Customer Orders



S1: The admin will access the view order interface and the system will allow admin to choose either to exit the function or continue

S2: The system will read the option chose

S3: Option “View Order” chose, the system will get the customer orders from the order database and display to the admin

S4: Option “Exit” chose in S1 or once the customer orders had been displayed, the system will access the homepage interface and return

4.17 F015 View Reports

The functional requirements for View Reports are as follows:

Requirement ID	REQ_F1501	Version	1.1
Description	System shall be able to direct admin to the view reports page		
Author	Foo Fang Khai		

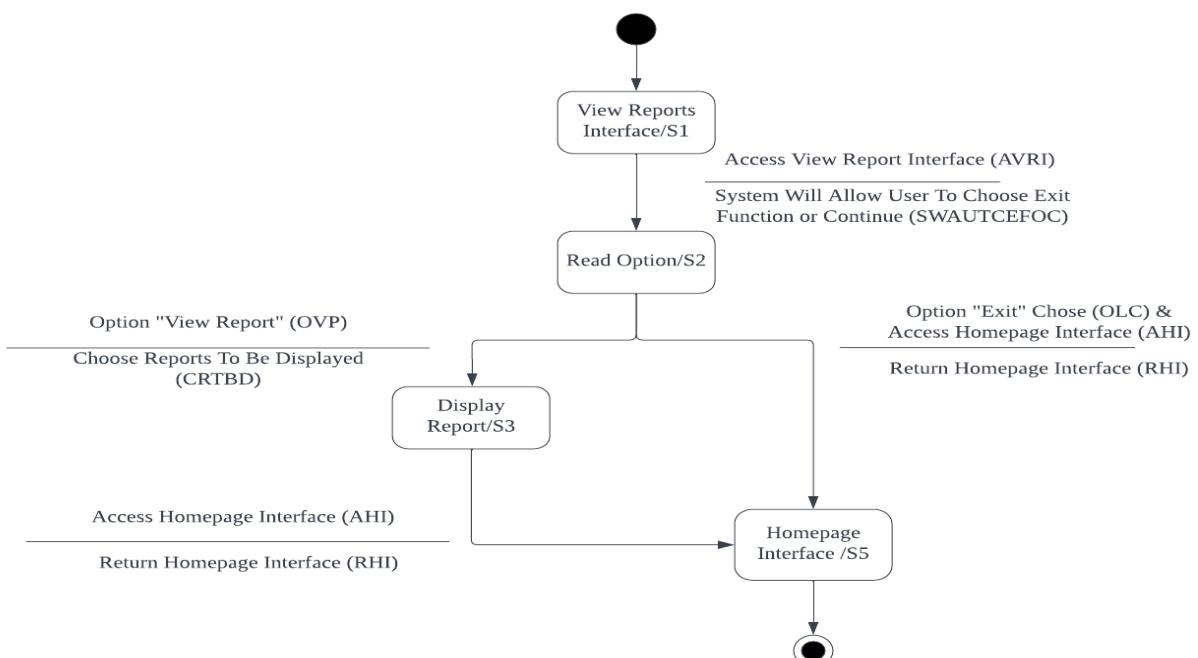
Requirement ID	REQ_F1502	Version	1.1
Description	System shall be able to display types of reports for admin to choose such as total sales, reviews and ratings, and so on		
Author	Foo Fang Khai		

The following Use Case Table (Table 17.0) shows the details of this feature, followed by a state diagram (Figure 16.0) to illustrate the state transition of the feature

Use Case ID	UC015	Version	1.1		
Feature	F015 View reports				
Purpose	System shall allow admin to view reports generated by the application				
Actor	Admin				
Trigger	Admin click on “View Reports” option				
Precondition	<ul style="list-style-type: none"> • The admin must be logged in • The admin is on the home page 				
Scenario Name	Step	Action			
Main Flow	1	Admin click on the “View Reports” option			
	2	System will direct the admin to the view reports page with types of reports			
	3	Admin will choose on the type of report to view			
	4	System will display the report chosen by the admin			
	5	Repeat step 2 if admin wants to view other reports			
Alternate Flow – Exit view reports function	1.1	Admin click on the “Exit” option			
	1.2	Return to home page			
Rules	-				
Author	Foo Fang Khai				

Table 17.0

Figure 16.0: State Diagram – View Reports



S1: The admin will access the view reports interface and the system will allow the admin to choose either to exit the function or continue

S2: The system will read the option

S3: Option “View Reports” chose, the admin will choose which reports to be displayed and the system will display the report chose by the admin

S4: Option “Exit” chose in S1 or once the report had been displayed, the system will access the homepage interface and return

4.18 F016 Request Delivery

The functional requirements for Request Delivery are as follows:

Requirement ID	REQ_F1601	Version	1.1
Description	System shall be able to notify riders upon delivery requests		
Author	Marco Setiawan		

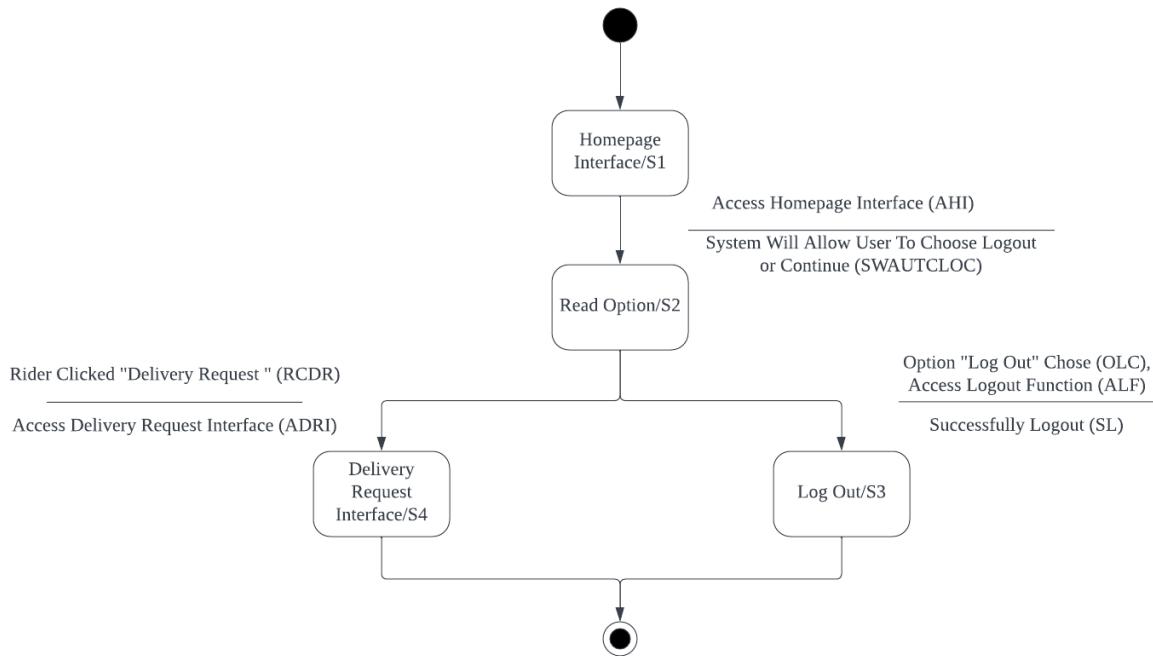
Requirement ID	REQ_F1602	Version	1.1
Description	System shall be able to direct riders to the delivery request page		
Author	Marco Setiawan		

The following Use Case Table (Table 18.0) shows the details of this feature, followed by a state diagram (Figure 17.0) to illustrate the state transition of the feature

Use Case ID	UC016	Version	1.1
Feature	F016 Request delivery		
Purpose	System shall be able to send delivery requests to riders once order has been placed		
Actor	Rider		
Trigger	Rider click on “Delivery Request” option		
Precondition	<ul style="list-style-type: none"> • The rider must be logged in • The rider is on the home page • The customer must place an order 		
Scenario Name	Step	Action	
Main Flow	1	System will notify rider upon delivery requests	
	2	Rider will click on “Delivery Requests” option	
	3	System will direct rider to the delivery requests page	
Alternate Flow – Log Out	1.1	Rider Clicked “Log Out”	
	1.2	System will log out and display message “Logged Out” to the admin	

Rules	-
Author	Marco Setiawan

Table 18.0

Figure 17.0: State Diagram – Request Delivery

S1: The rider will access the homepage interface and the system will allow the rider to choose either log out or not to log out

S2: The system will read option chose

S3: Option “Log Out” chose, the system will direct the rider to the log out function and display message “Logged Out”

S4: Option “Delivery Request” chose, the system will access the delivery request interface

4.19 F017 Delivery Confirmation

The functional requirements for Delivery Confirmation are as follows:

Requirement ID	REQ_F1701	Version	1.1
Description	System shall be able to allow rider to accept or decline upon the delivery request		
Author	Marco Setiawan		

Requirement ID	REQ_F1702	Version	1.1
Description	System shall be able to display details about customer address, orders, and which restaurant to pick up the order after request was accepted		
Author	Marco Setiawan		

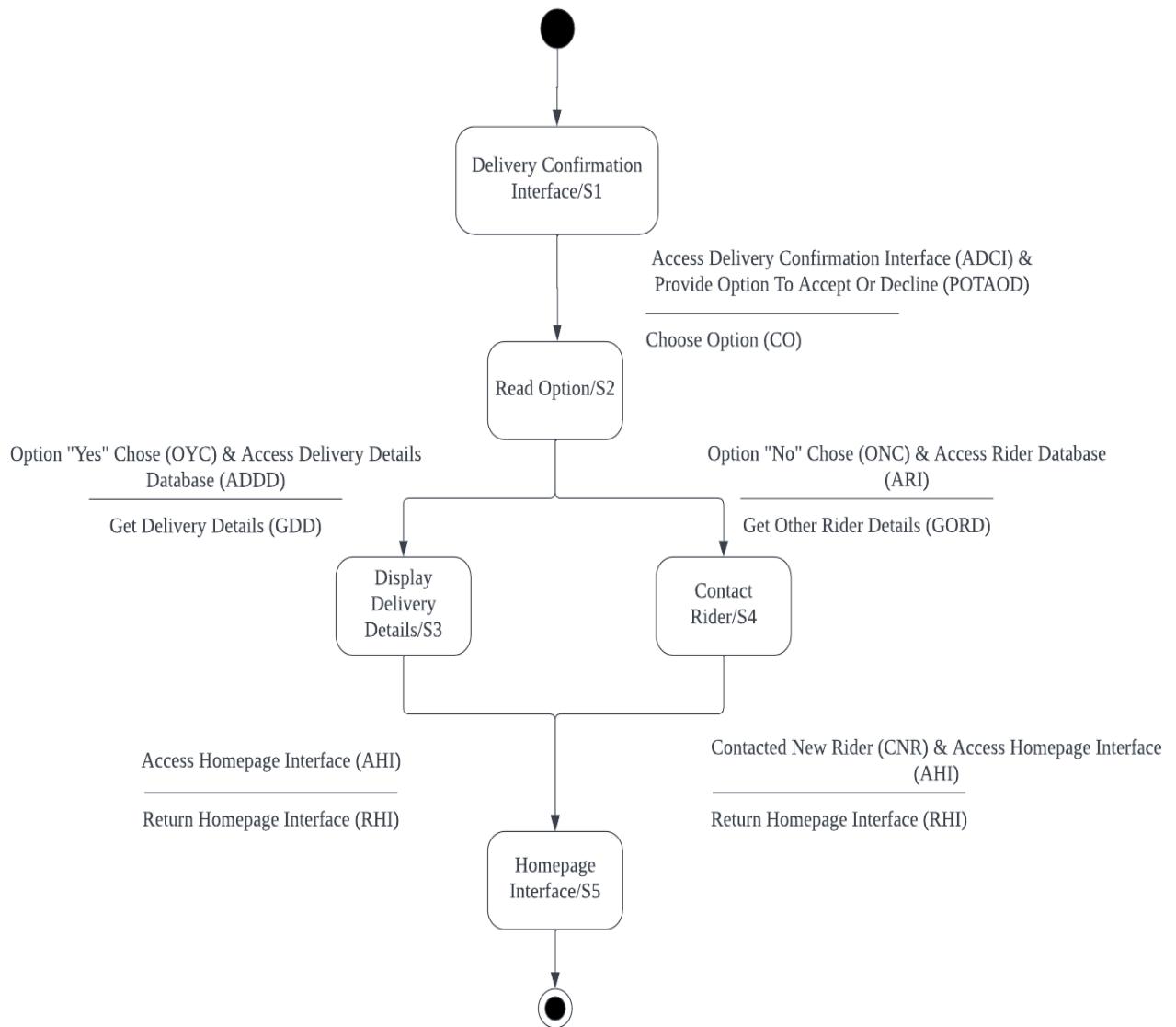
Requirement ID	REQ_F1703	Version	1.1
Description	System shall be able to contact other riders when the request was declined		
Author	Marco Setiawan		

The following Use Case Table (Table 19.0) shows the details of this feature, followed by a state diagram (Figure 18.0) to illustrate the state transition of the feature

Use Case ID	UC017	Version	1.1		
Feature	F017 Delivery confirmation				
Purpose	System shall be able to allow rider to accept or decline delivery request				
Actor	Rider				
Trigger	Rider will click on “Yes” or “No” option				
Precondition	<ul style="list-style-type: none"> • The rider must be logged in • The rider is on the request delivery page 				
Scenario Name	Step	Action			
Main Flow	1	System will allow rider to accept or decline upon delivery requests			
	2	Rider will click on “Yes” option			
	3	System will display details for the rider after request was accepted			
Alternate Flow – Request Declined	1.1	Rider will click on “No” option			
	1.2	Return to homepage			
	1.3	System shall contact other riders for delivery confirmation			
Rules	-				
Author	Marco Setiawan				

Table 19.0

Figure 18.0: State Diagram – Delivery Confirmation



S1: The rider will access the delivery confirmation interface once he had access the delivery request interface, the system will provide option for the rider to choose either to accept or decline the request

S2: The system will read the option chose

S3: Option “Yes” chose, the system will access delivery details database and get the delivery details such as restaurant location and order summary to display to the rider

S4: Option “No” chose, the system will access rider database and get other rider details to contact new rider

S5: Option “No” chose in S4 or after delivery details was displayed in S3, the system will access the homepage interface and return

4.20 F018 Update Order Status

The functional requirements for Update Order Status are as follows:

Requirement ID	REQ_F1801	Version	1.1
Description	System shall be able to direct rider to the update order status page		
Author	Goo Han Cong		

Requirement ID	REQ_F1802	Version	1.1
Description	System shall be able to allow rider to make confirmation of the order had been delivered		
Author	Goo Han Cong		

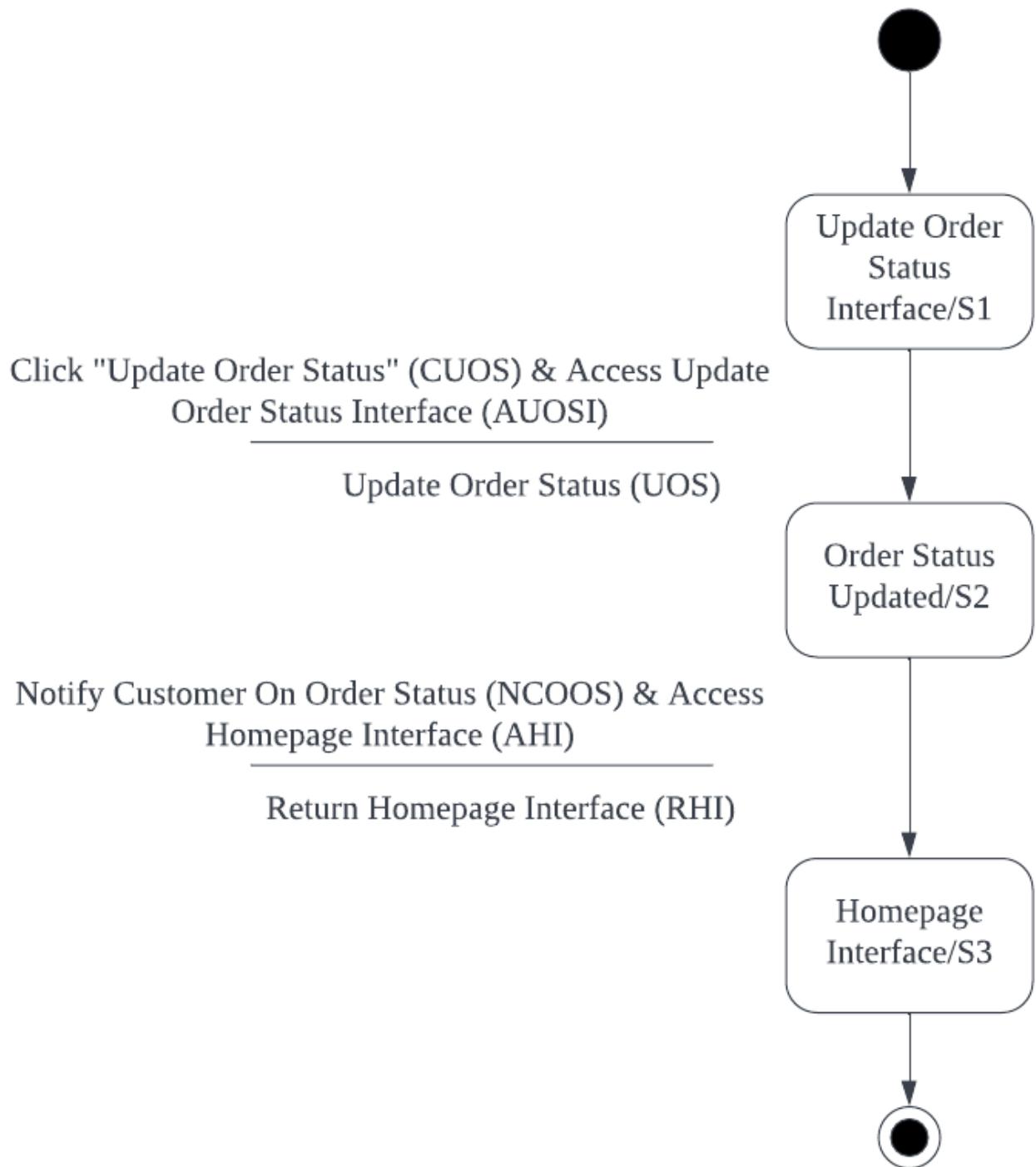
Requirement ID	REQ_F1803	Version	1.1
Description	System shall be able to notify the customers that their order had arrived		
Author	Goo Han Cong		

The following Use Case Table (Table 20.0) shows the details of this feature, followed by a state diagram (Figure 19.0) to illustrate the state transition of the feature

Use Case ID	UC018	Version	1.1
Feature	F018 Update order status		
Purpose	To allow riders to update delivery status		
Actor	Rider		
Trigger	Rider click on “Update Order Status” option		
Precondition	<ul style="list-style-type: none"> • The rider must be logged in • The rider is on the home page • The rider must confirm upon delivery request 		
Scenario Name	Step	Action	
Main Flow	1	Rider will click on “Update Order Status” option	
	2	System will direct rider to the update order status page	
	3	System will allow rider to update the status to delivered after the order has arrived	
	4	Rider will make the confirmation	
	5	System will notify customers that their order had arrived	
	6	Return homepage	
Alternate Flow –	-	-	
Rules	-		

Author	Goo Han Cong
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Table 20.0

Figure 19.0: State Diagram – Update Order Status

S1: The rider will click on “Update Order Status” and system will access update order status interface to allow rider to update order status

S2: The system will store the updated order status

S3: Once order status updated, the system will notify the customer on the order status and the system will access the homepage interface and return homepage

4.21 F019 Logout

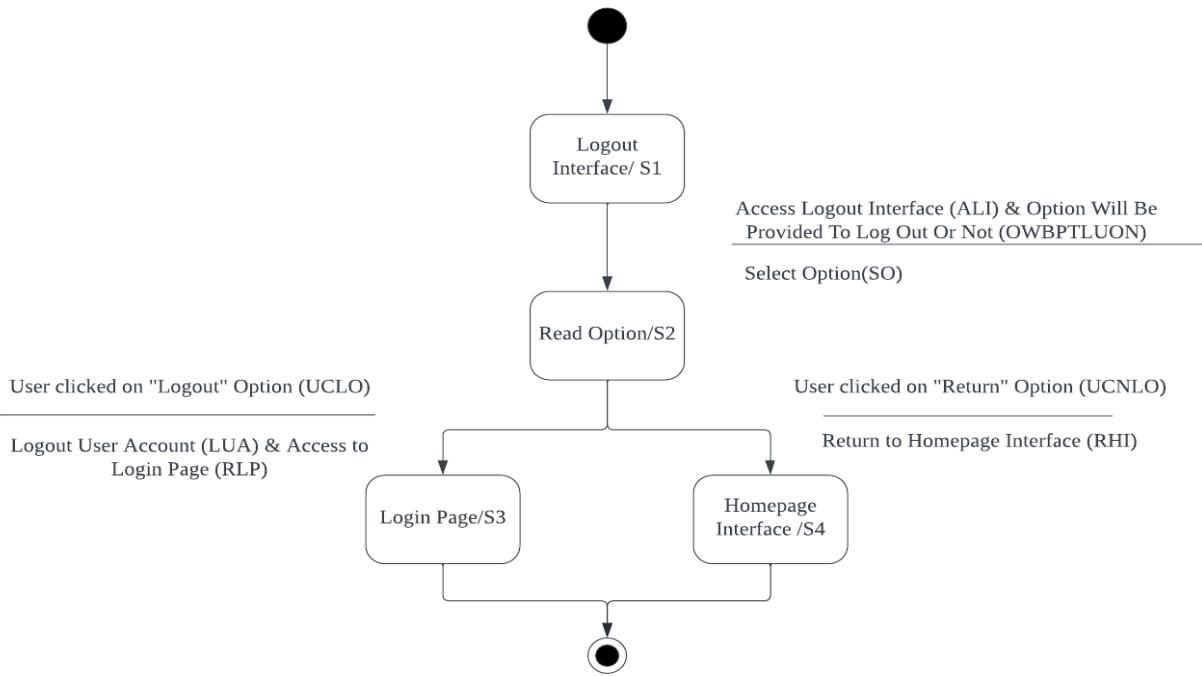
The functional requirements for Logout are as follows:

Requirement ID	REQ_F1901	Version	1.1
Description	System shall be able to logout the user account if the user clicked on the “Logout” option in the home page		
Author	Foo Fang Khai		

The following Use Case Table (Table 21.0) shows the details of this feature, followed by a state diagram (Figure 20.0) to illustrate the state transition of the feature

Use Case ID	UC019	Version	1.1
Feature	F019 Logout		
Purpose	To allow users to logout to their accounts from the application		
Actor	Customer, Admin, and Rider		
Trigger	Users will click on the “Logout” option from the Home page		
Precondition	<ul style="list-style-type: none"> • User is on the Home page • User is logged in 		
Scenario Name	Step	Action	
Main Flow	1	Users (Customers, Admin, and Riders) will click on “Logout” option provided in login page	
	2	System will log out the user account and return to login page	
Alternate Flow	-	-	
Rules	-		
Author	Foo Fang Khai		

Table 21.0

Figure 20.0: State Diagram – Logout


S1: The user(Customer, Admin, and Rider) will access the logout interface and option will be provided for the rider either logout or not to logout

S2: The system will read the option

S3: Option “Log Out” chose, the system will logout the user account and return to login page

S4: Option “Return” chose, the system will access the homepage interface and return homepage

5.0 Non-functional Requirements

5.1 Functionality Application Requirements

ID	Version	Description	Priority (1-5)
001-001	1.1	Suitability	
001-001-001	1.1	The application should contain various languages	5
001-001-002	1.1	The application should allow users to log out whenever they click on “Log Out”	5
001-002	1.1	Security	
001-002-001	1.1	The application ought to be able to authenticate users login credentials	5
001-002-002	1.1	The application ought to likewise allow users to perform an One Time Password as affirmation	5

5.2 Reliability Application Requirements

ID	Version	Description	Priority (1-5)
002-001	1.1	Recoverability	
002-001-001	1.1	The application ought to allow users to reset password when they forgot their password	3
002-001-002	1.1	The application ought to have a DRP (Disaster Recovery Plan) to maintain integrity	5
002-002	1.1	Reliability	
002-002-001	1.1	The application ought to allow users to access their account after login credentials being validate without any failure or delay	4

5.3 Usability Application Requirements

ID	Version	Description	Priority (1-5)
003-001	1.1	Usability	
003-001-001	1.1	The application ought to have simple interface to allow users to utilize the application easily even first time accessing	3
003-001-002	1.1	The application ought to display categories of cuisines for the users	4
003-002	1.1	Attractiveness	
003-002-001	1.1	The application ought to have a design with well contrasted colors	5

5.4 Efficiency Application Requirements

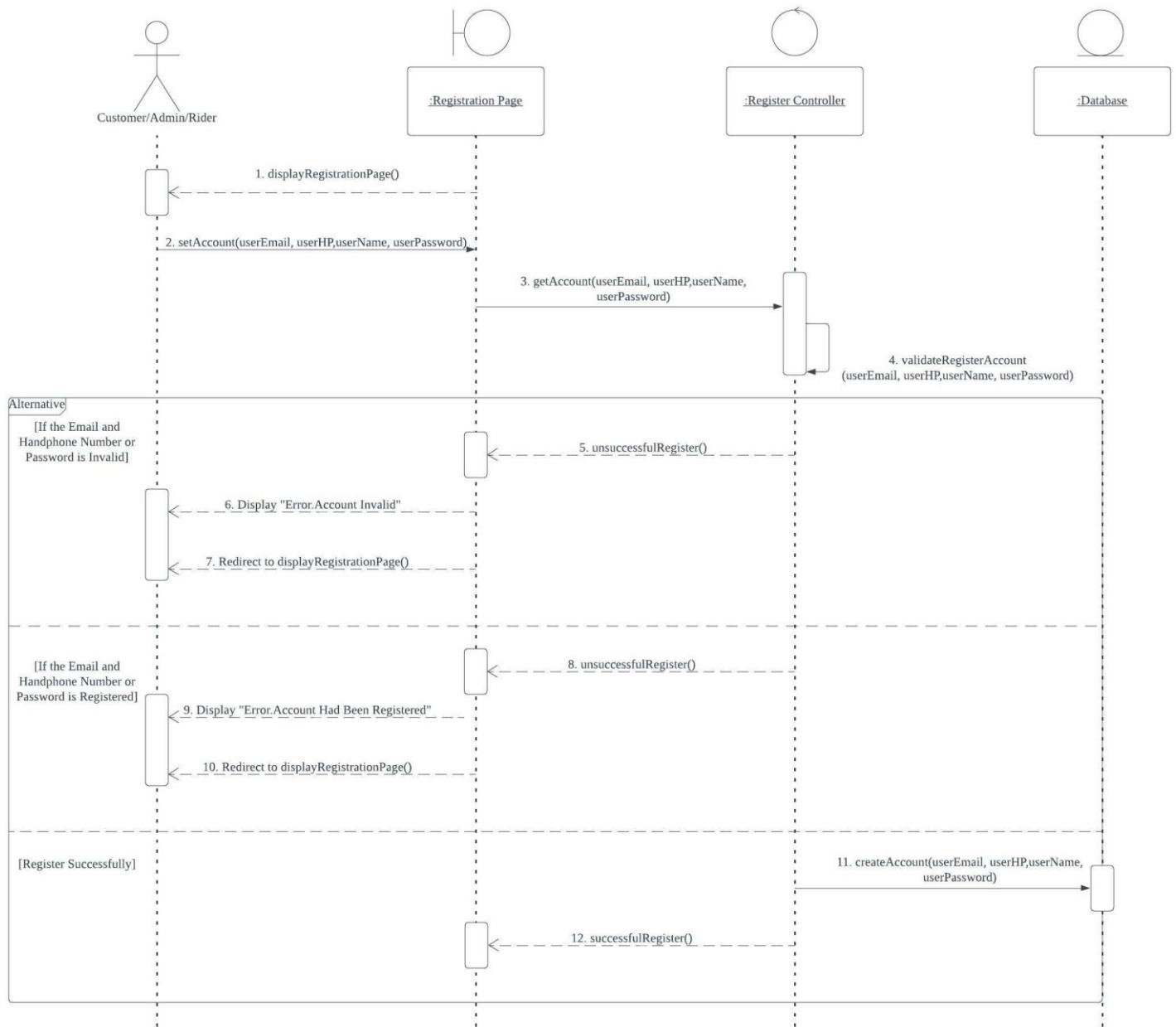
ID	Version	Description	Priority (1-5)
004-001	1.1	Performance	
004-001-001	1.1	The application ought to make some heap memories of not over 2 second while users start the application	5
004-001-002	1.1	The application ought to direct users to functions when those functions was chose by the users within 1 second	4
004-002	1.1	Capacity	
004-002-001	1.1	The application ought to have the option to support in excess of 50,000 users at any time	5
004-002-002	1.1	The application ought to have the option to store in excess of 250,000 user's information	5

6.0 Other Requirements

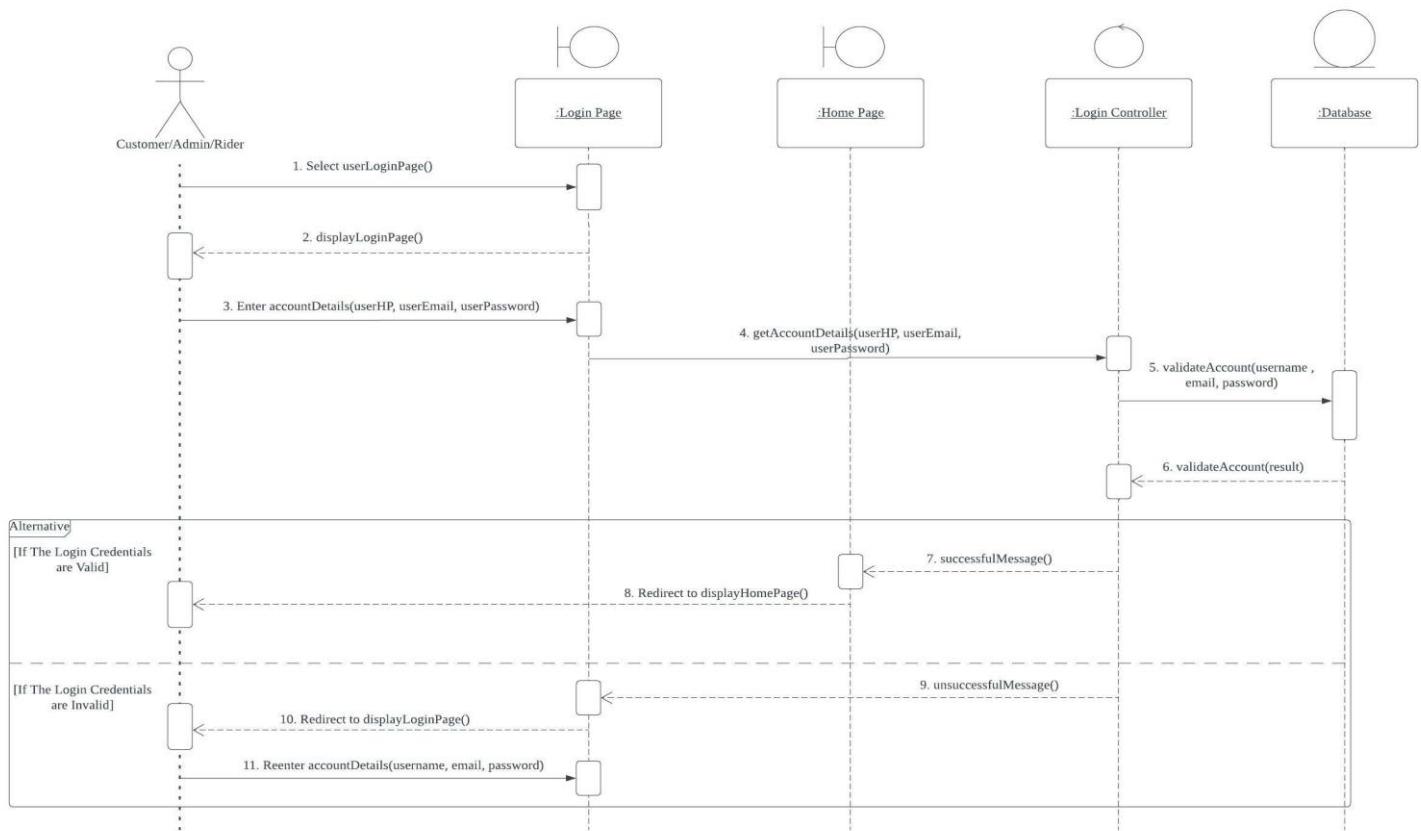
Appendix: UML Diagrams

Sequence Diagram

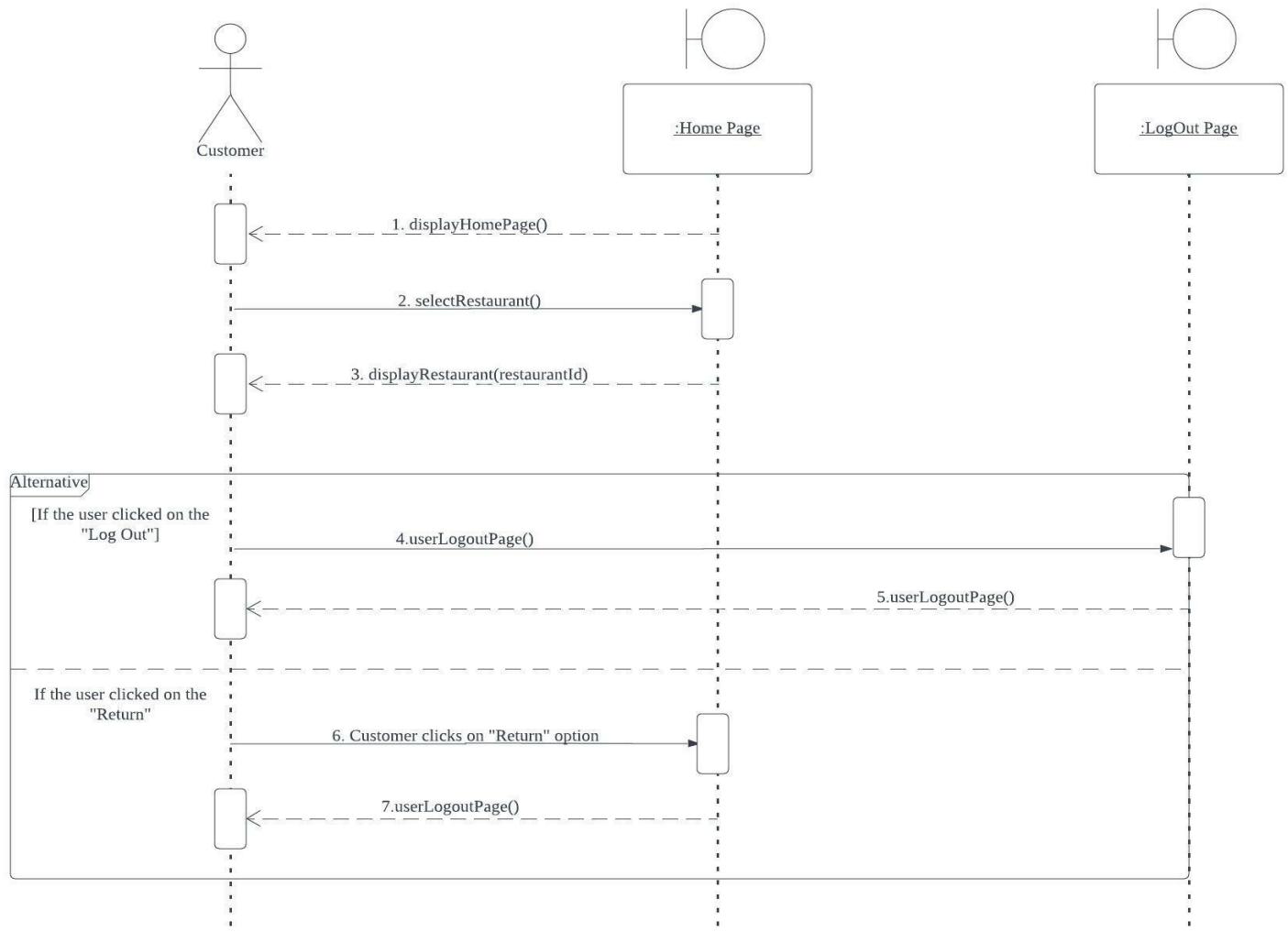
i. Register



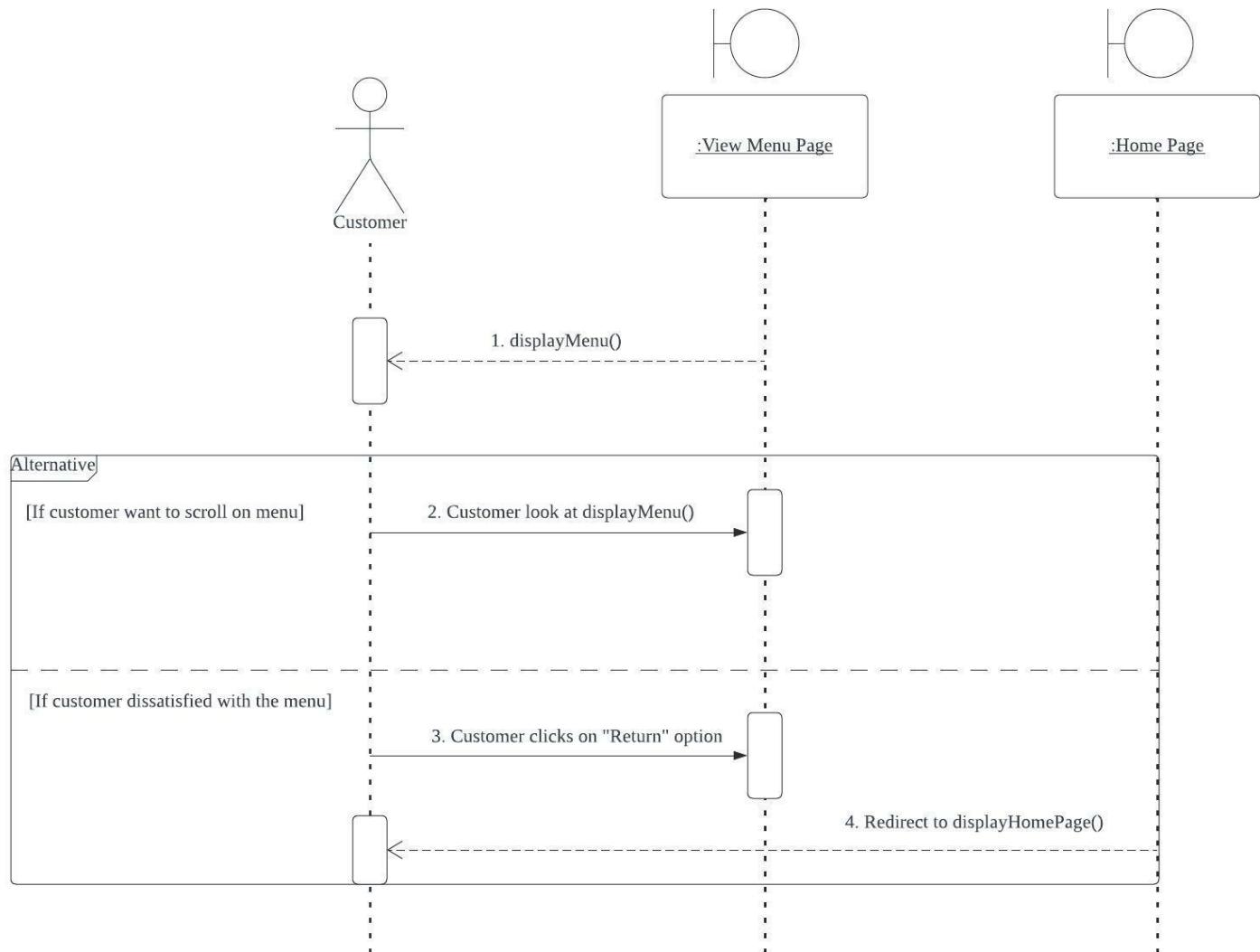
ii. Login



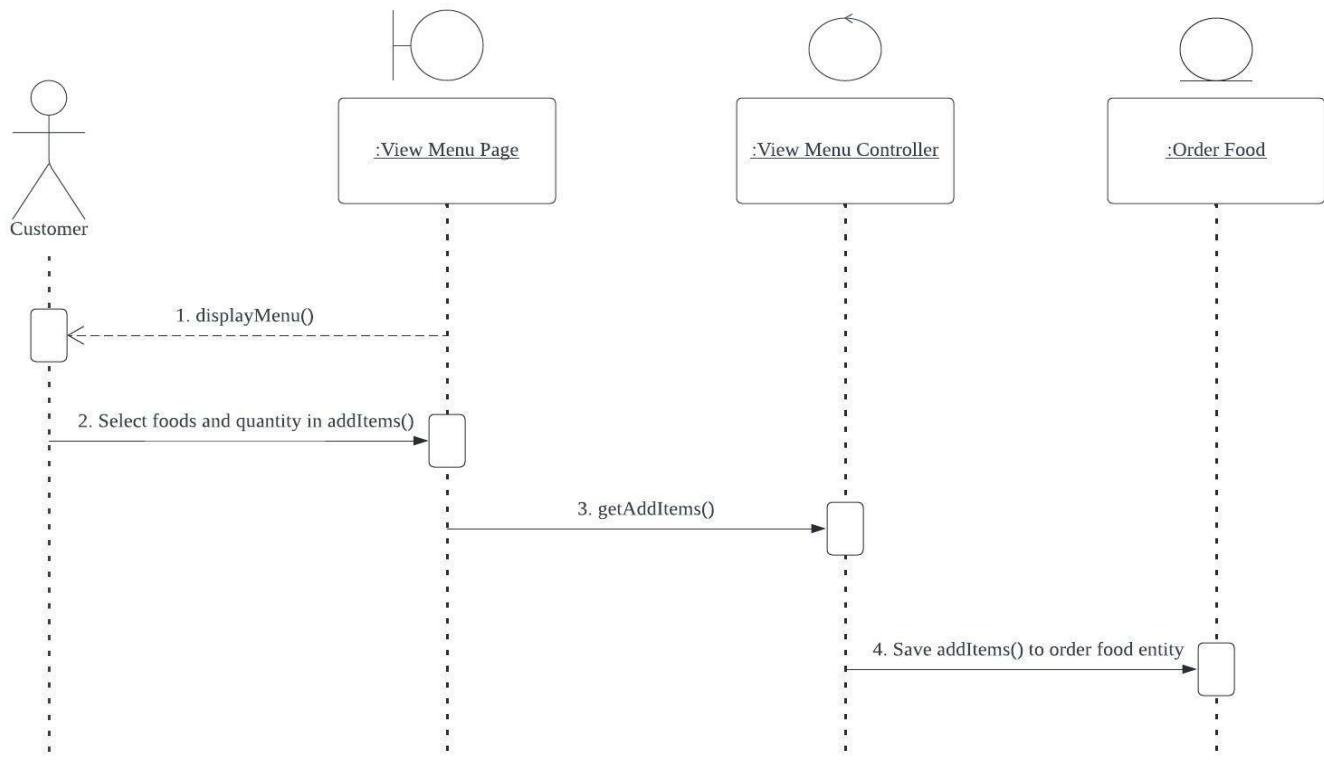
iii. Select Restaurant



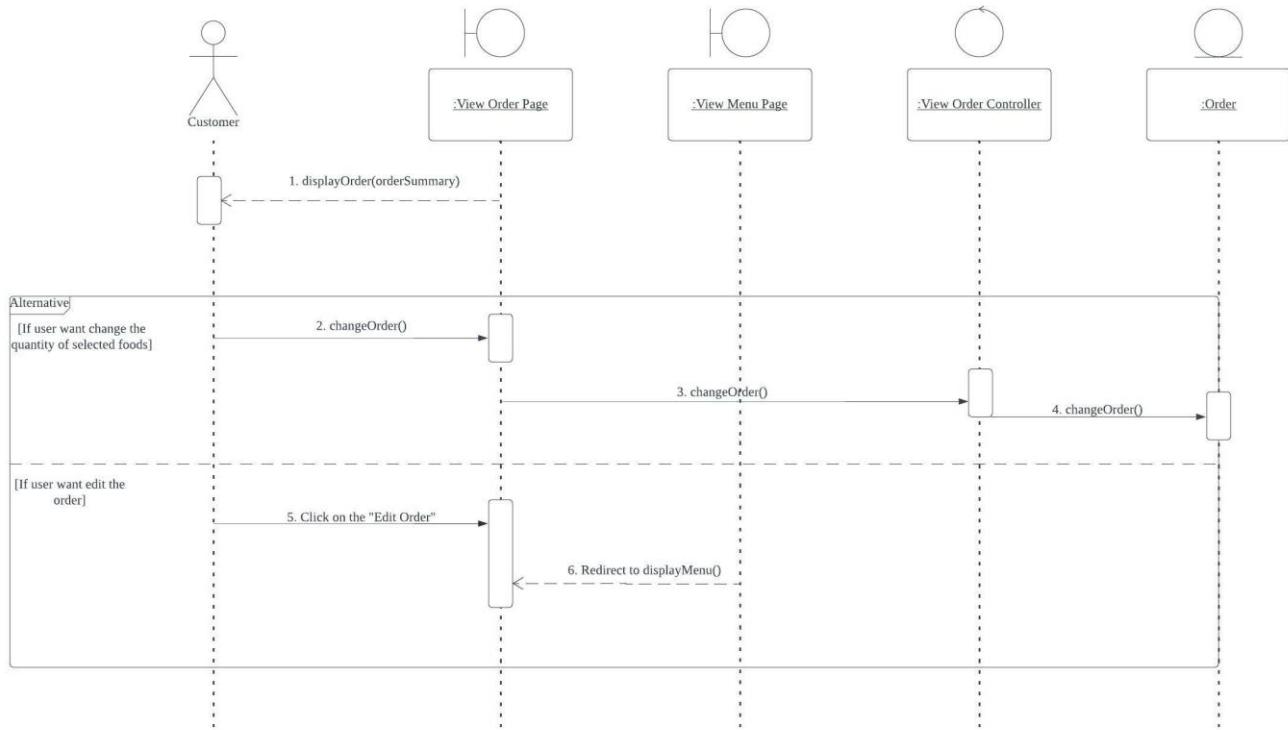
iv. View Menu



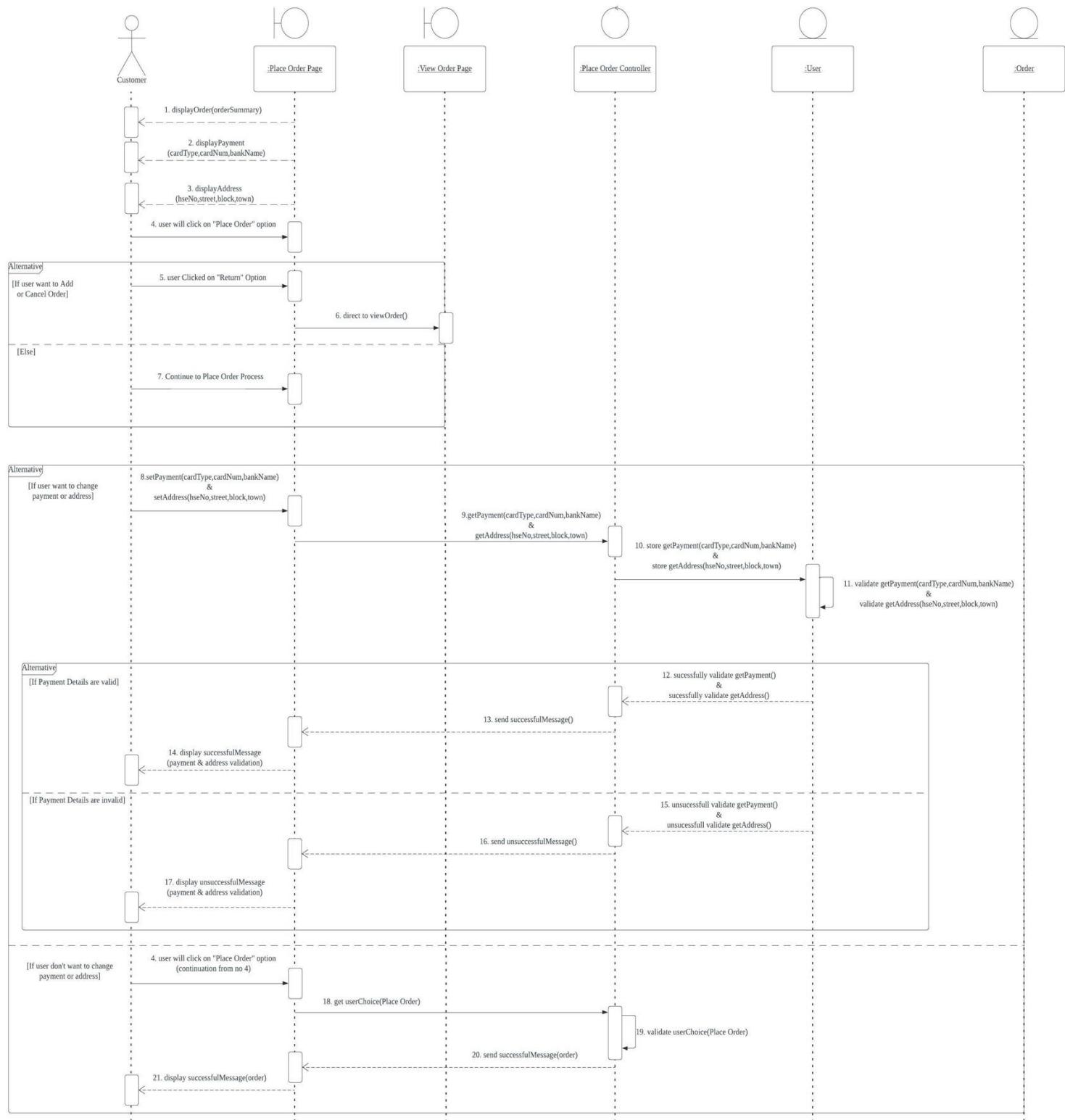
v. Order Food



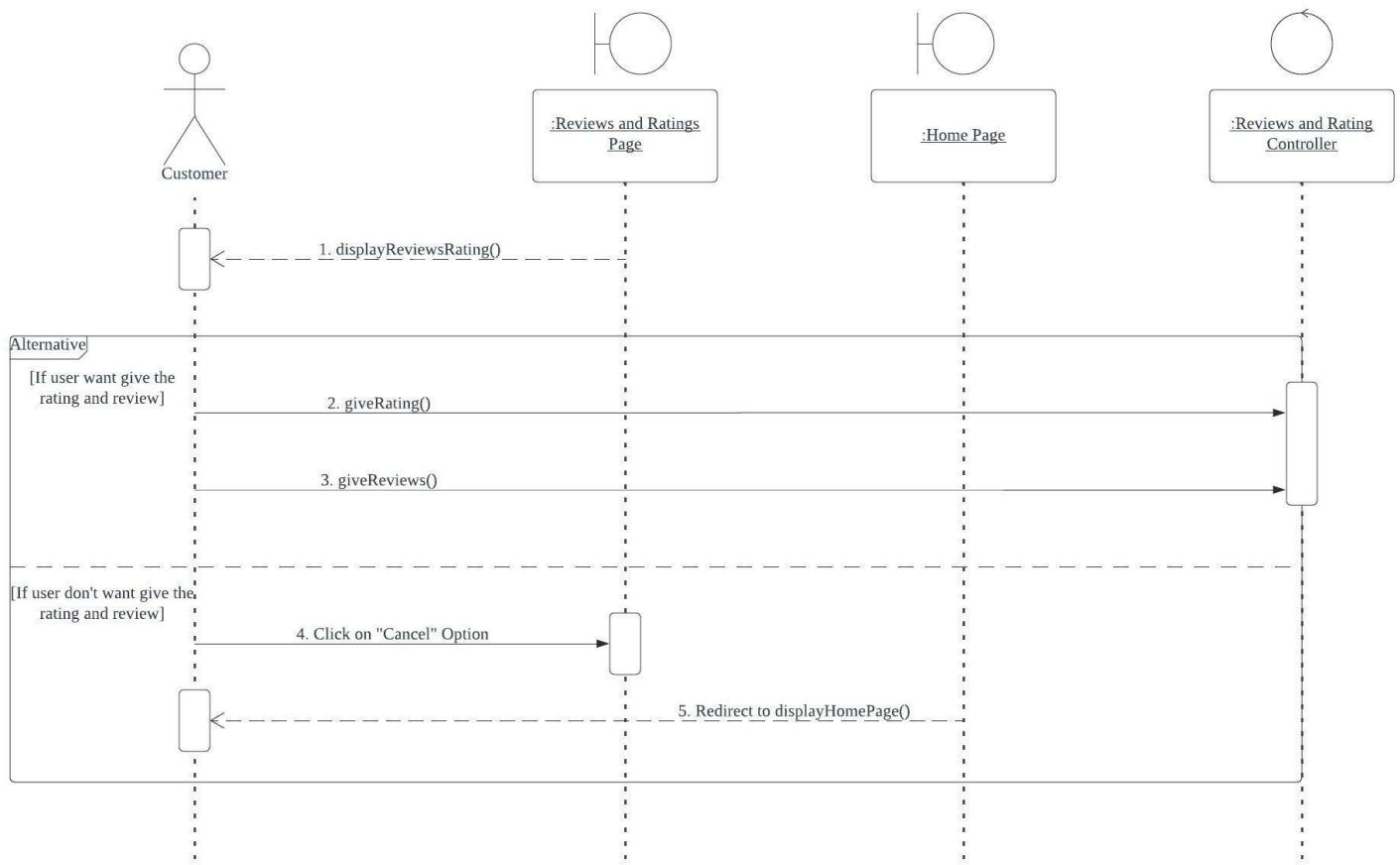
vi. View Order



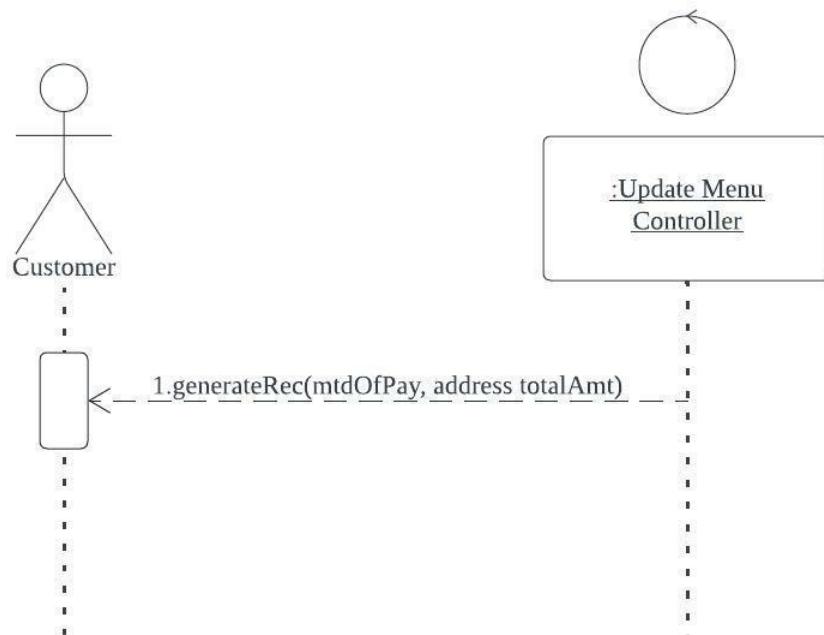
vii. Place Order



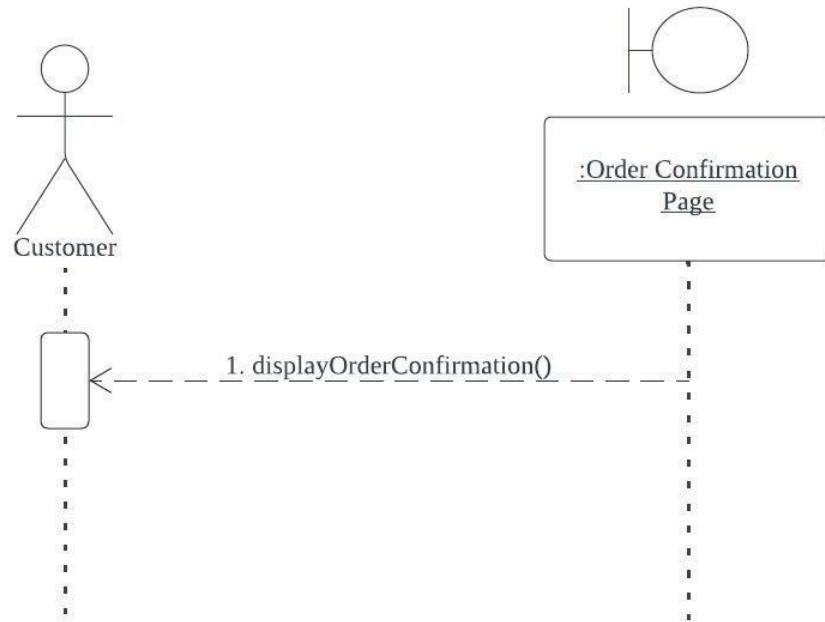
viii. Reviews and Ratings



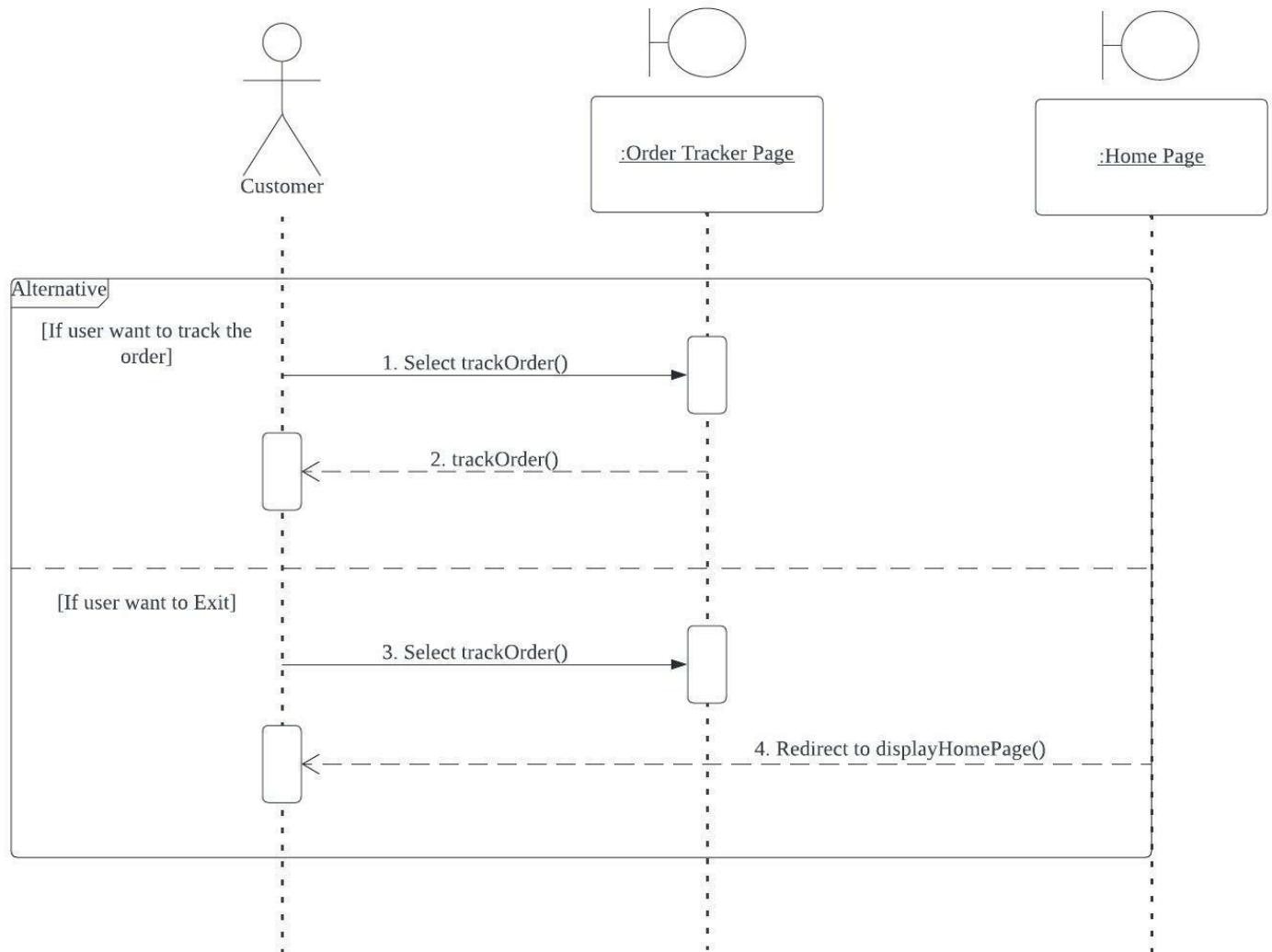
ix. Generate Receipt



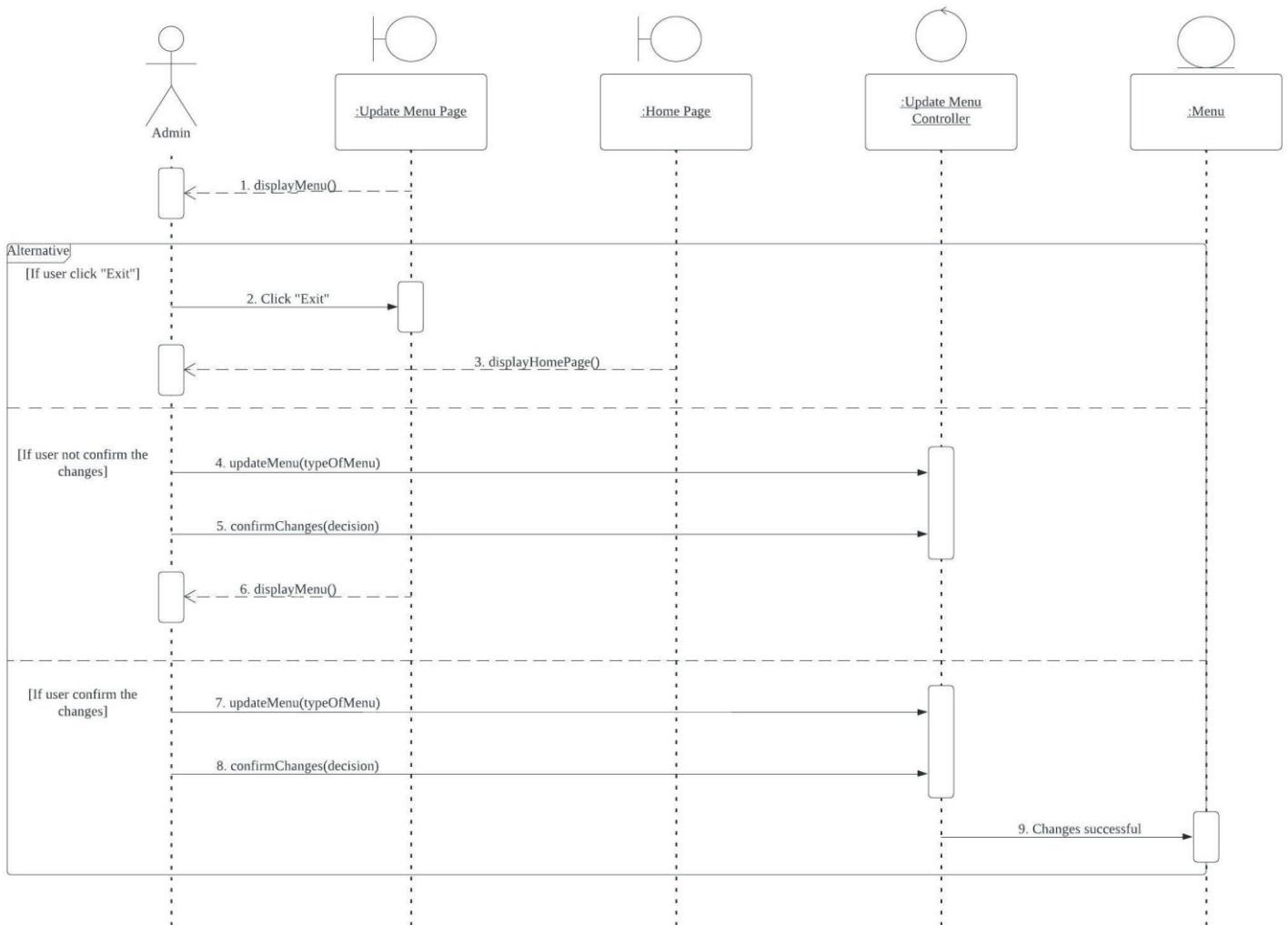
x. Order Confirmation



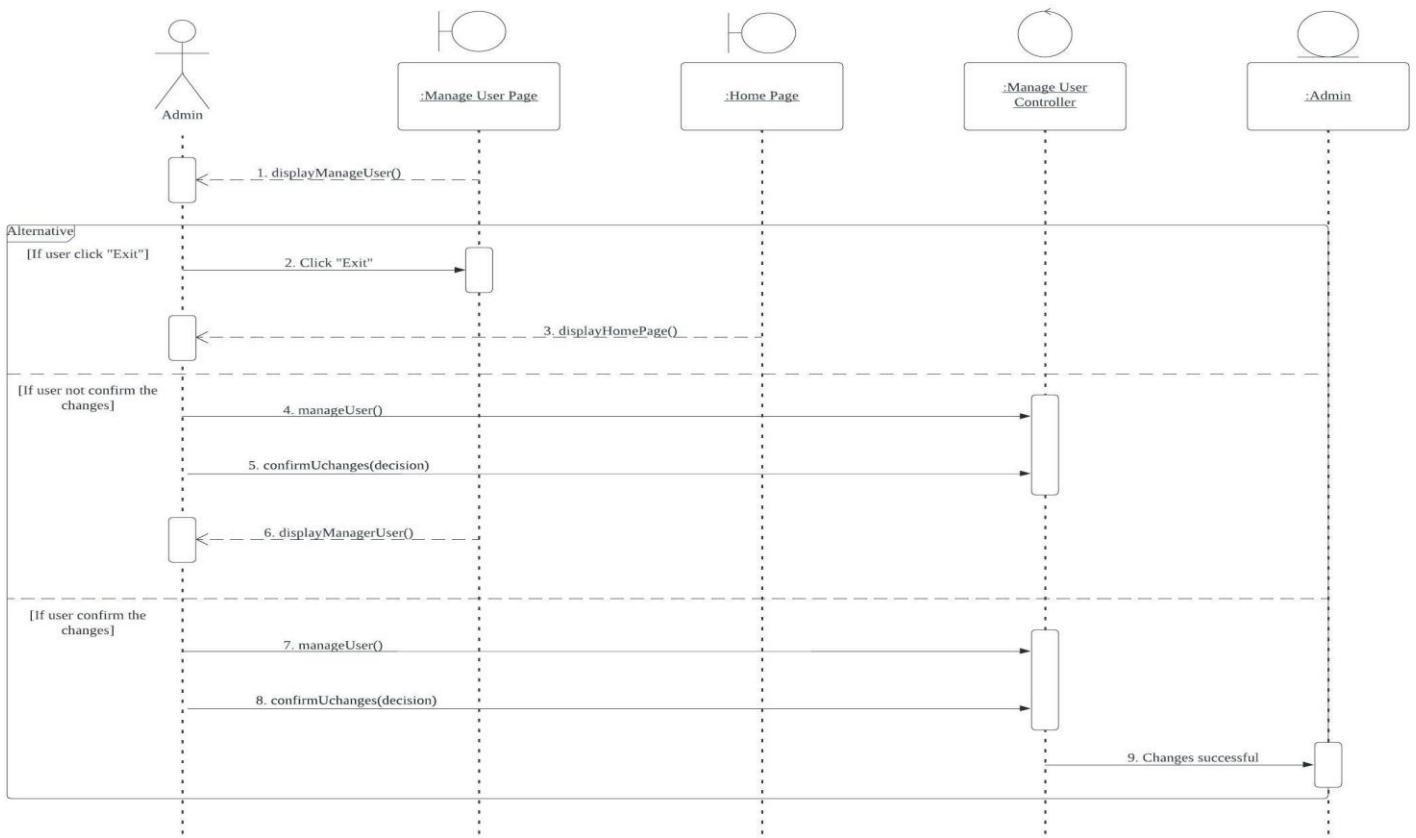
xi. Order Tracker



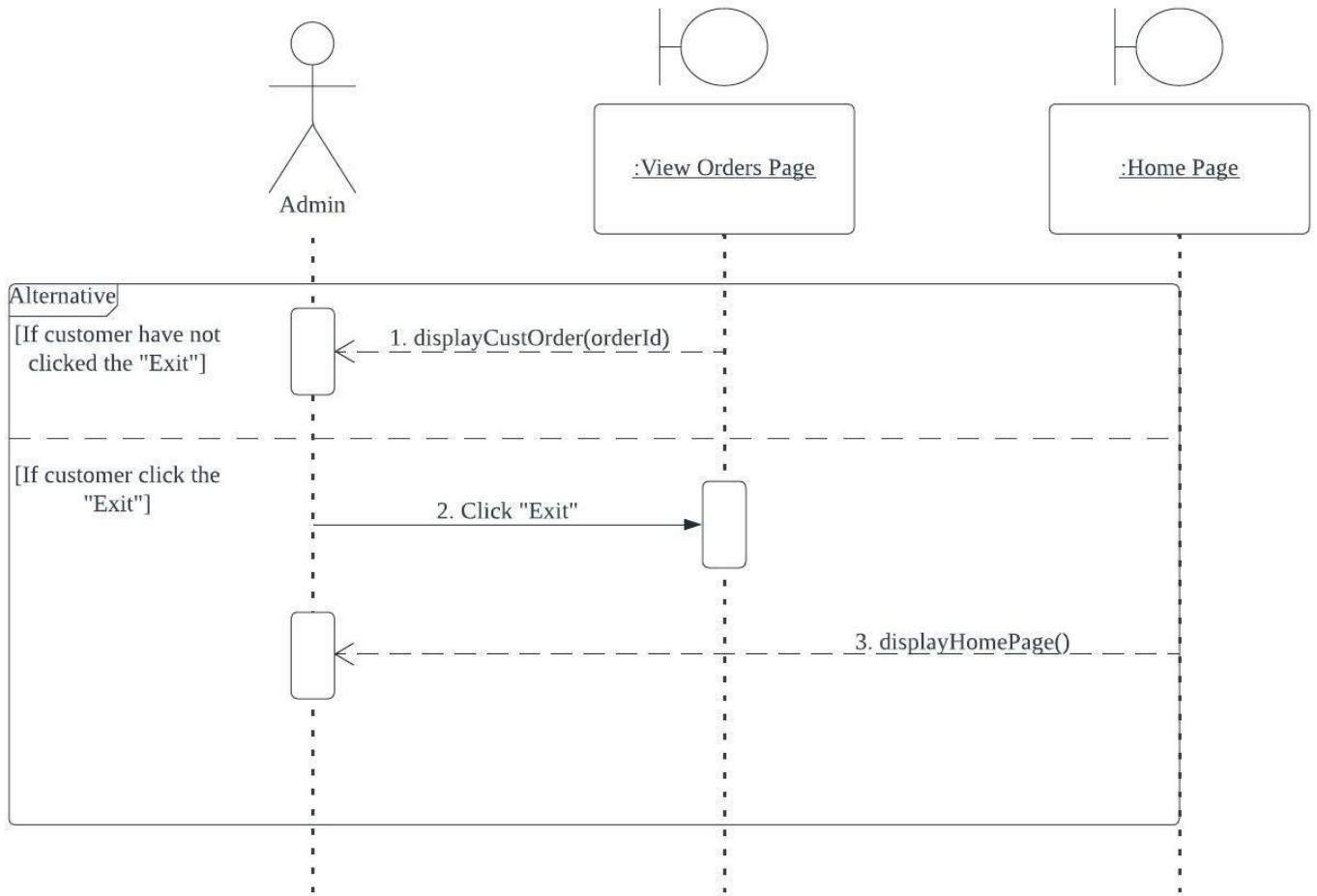
xii. Update Menu



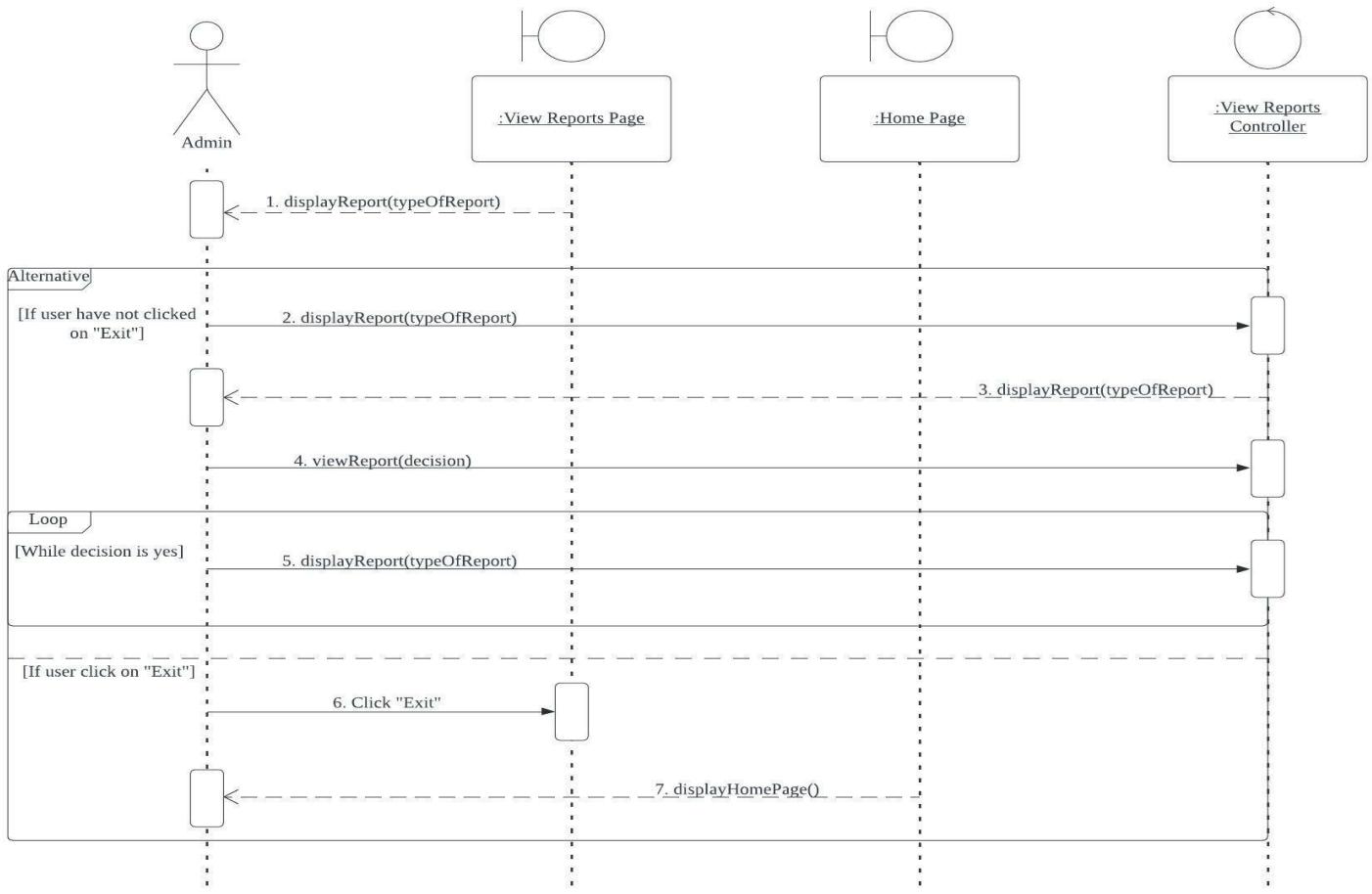
xiii. Manage User



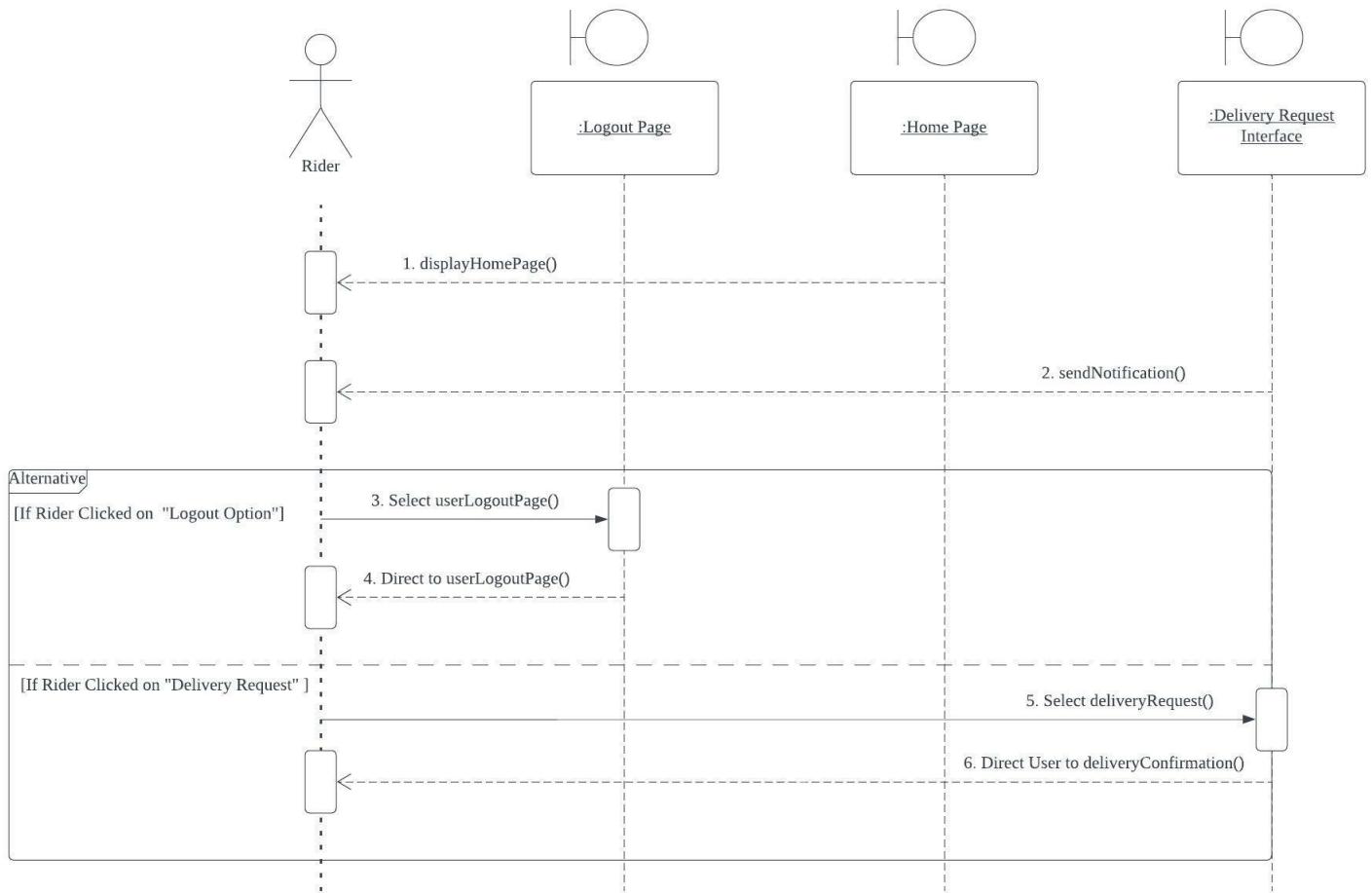
xiv. View Customer Order



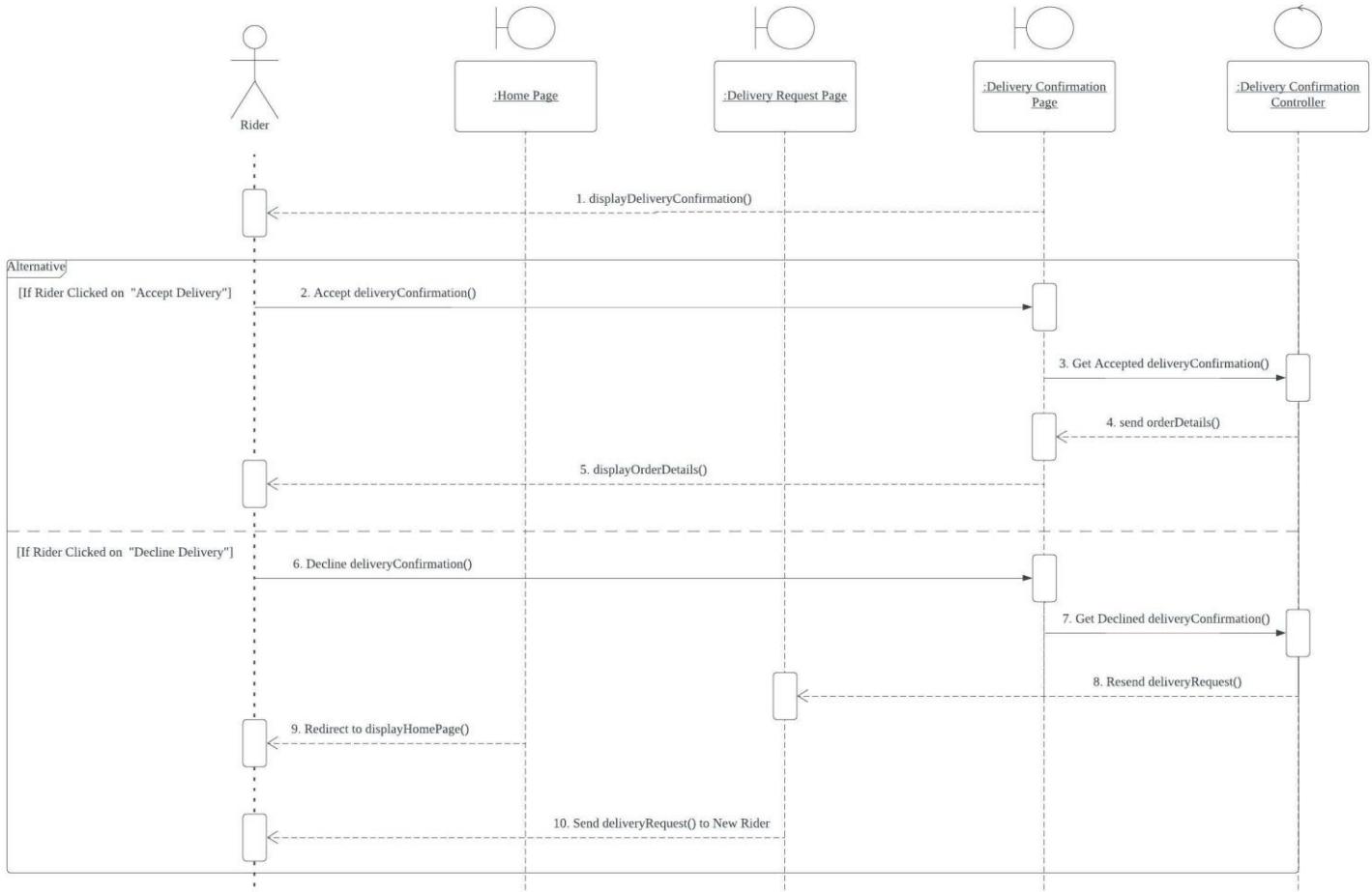
xv. View Reports



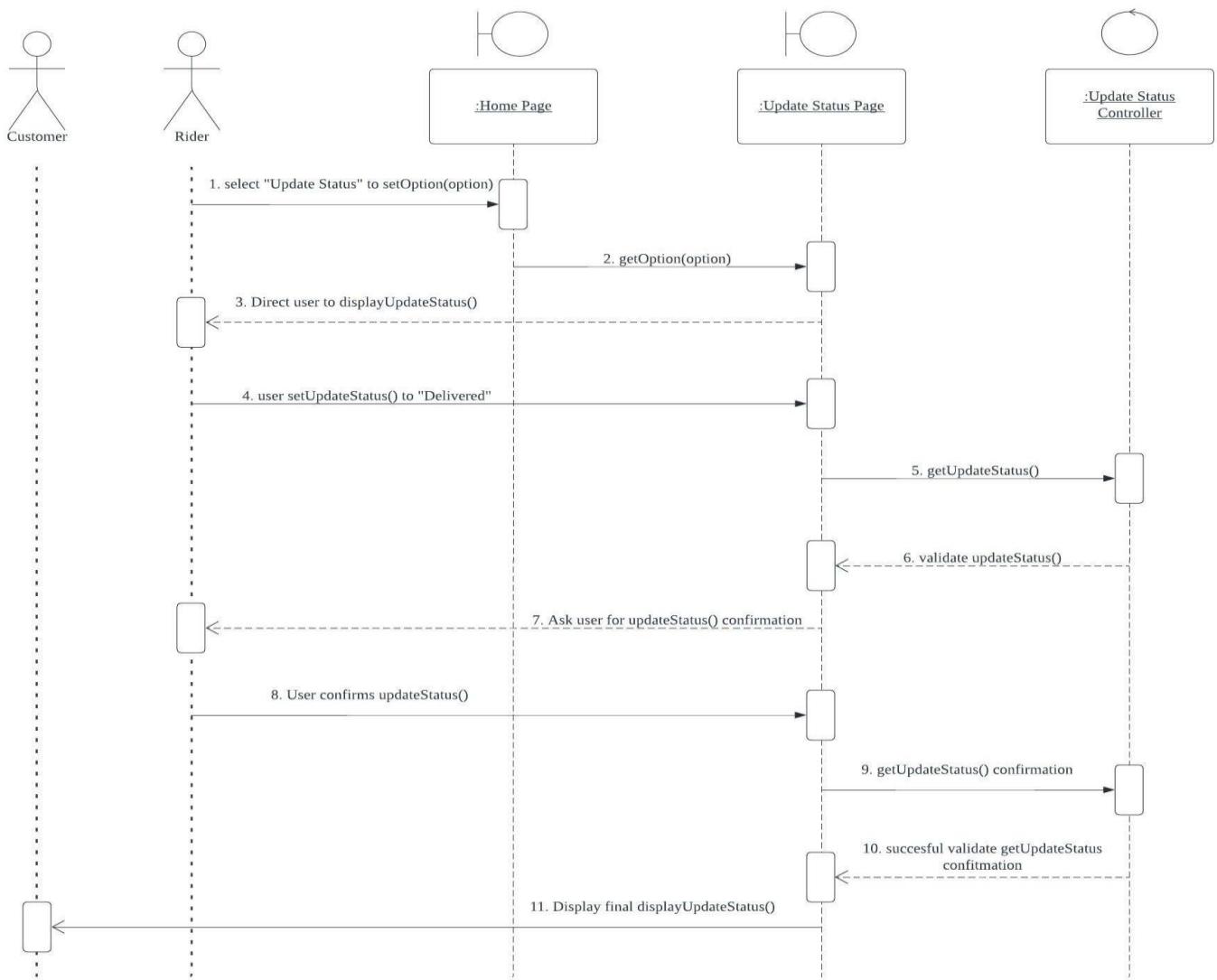
xvi. Request Delivery



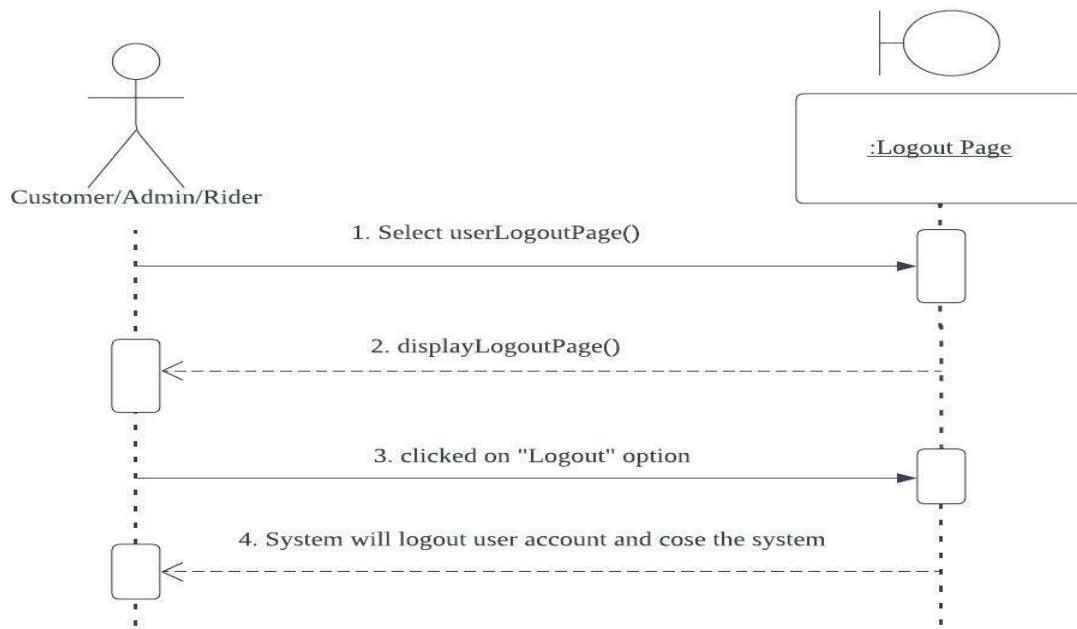
xvii. Delivery Confirmation

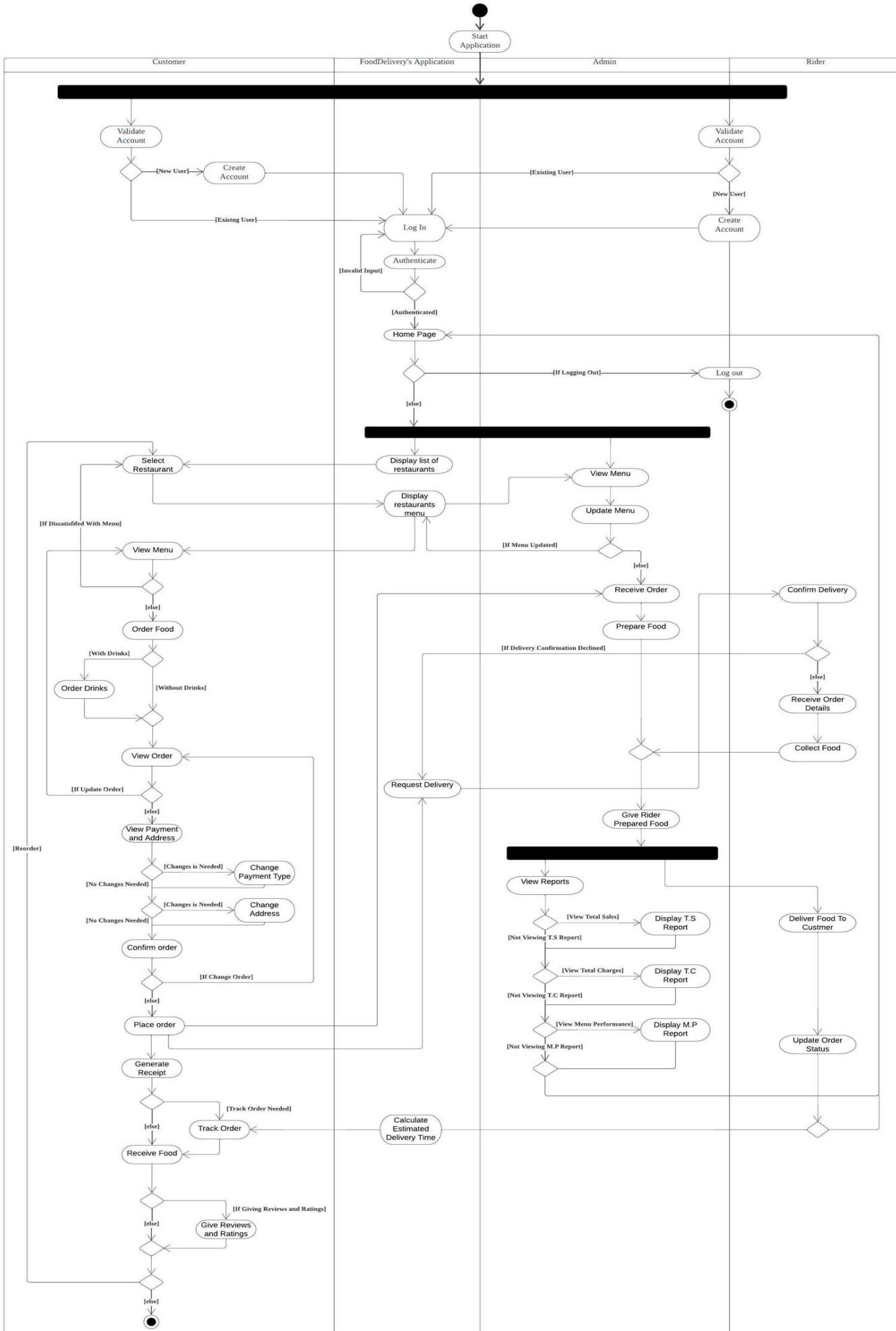


xviii. Update Order Status



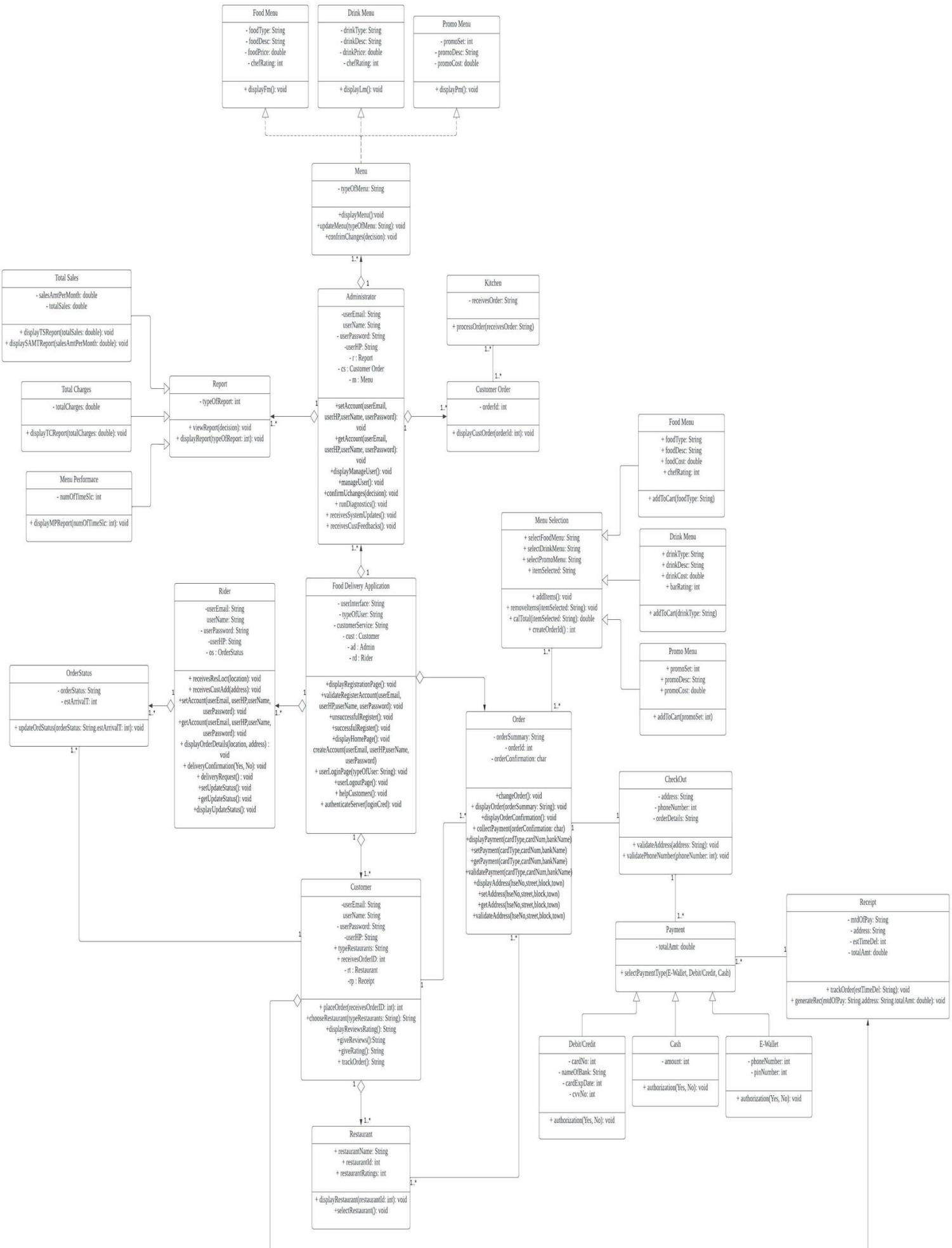
xix. Logout



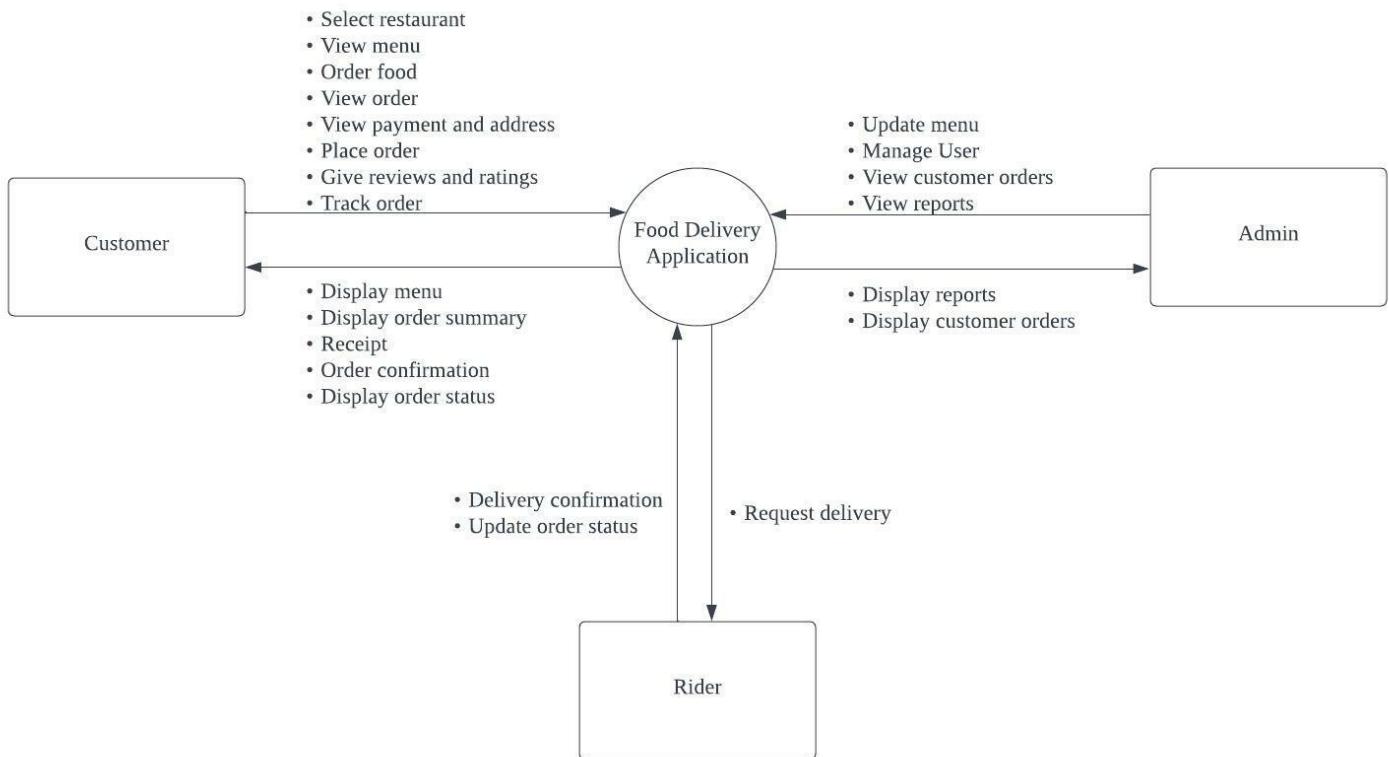
Activity Diagram


Software Requirements Specifications for EOU Food Delivery Application

Class Diagram



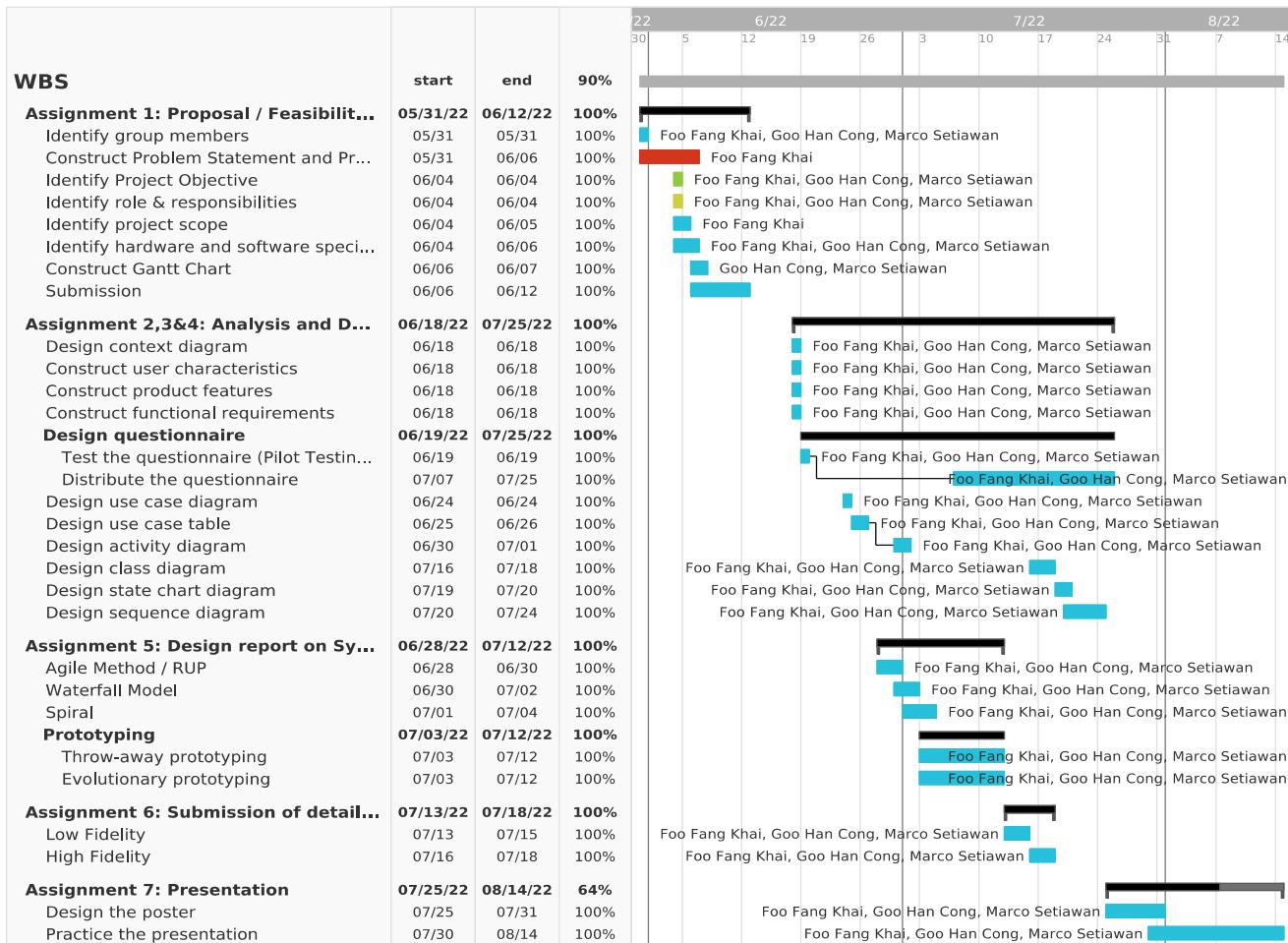
Context Diagram



Appendix: Gantt Chart



Created with Free Edition

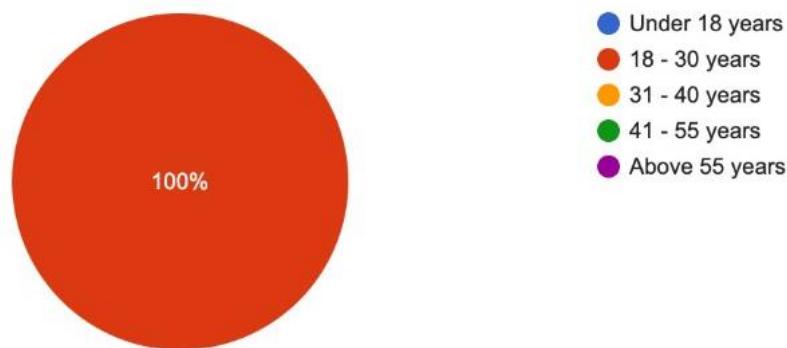


Appendix: Questionnaire Analysis

The survey is used to understand the condition of bad food quality in using Food Delivery Application. There are 7 peoples involve in this questionnaire survey.

1. Which age group do you belong to?

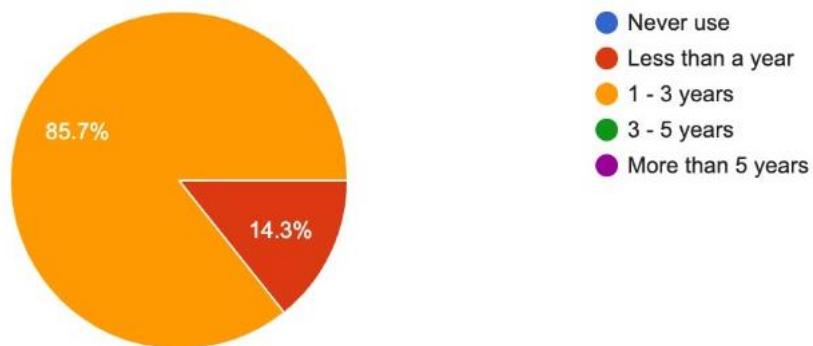
7 responses



This question is use to get the information of the range of age that frequently use the Food Delivery Application. This pie chart demonstrates that the people who use the Food Delivery Application is between 18 – 30 years old.

2. How long have you been using the food delivery application?

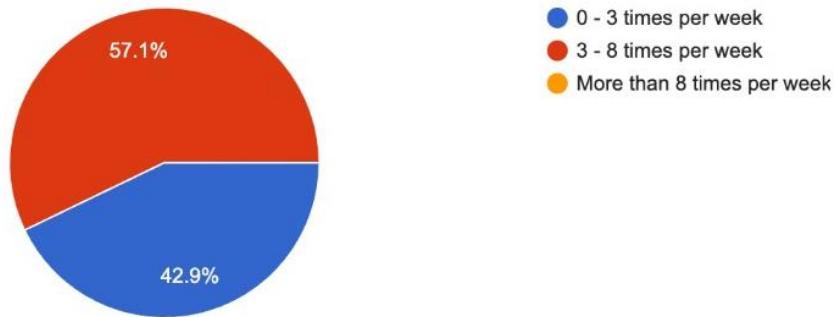
7 responses



From the pie chart above, it stated 85.7 percentages of people which are 6 people who use the food delivery application more than 1 year and less than 3 years. On the other hand, there is only one people who just started to use the food delivery application less than a year.

3. How often do you use the food delivery application within a one-week span?

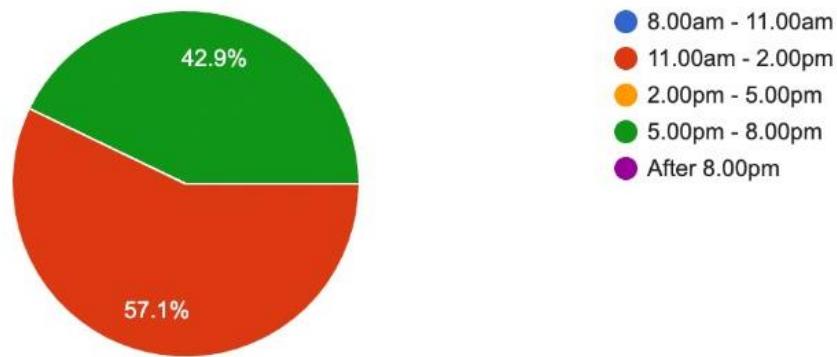
7 responses



By following, this question is used to get the information of how people rely on the food delivery application weekly. From the result, we can know people who use it 0-3 times per week is slightly more than 3-8 times per week, which is 57.1%.

4. What time do you usually order food on the food delivery application?

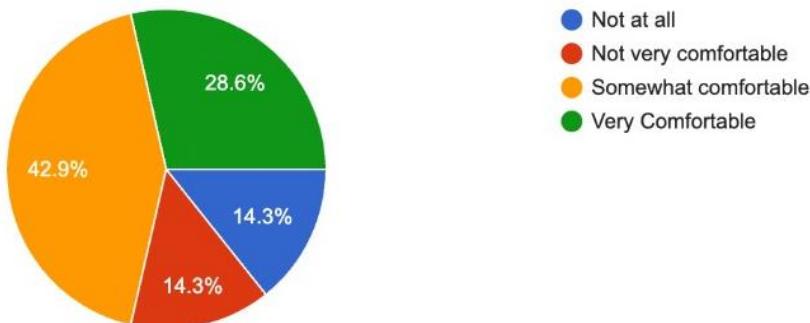
7 responses



Among 7 people, there are 5 people will use the food delivery application between 11.00 am until 2.00 pm, the percentage of it is around 57.1%. Then, there are only 2 people order the delivery at dinner time which is 5.00pm – 8.00pm. In short, people who involved in this questionnaire survey are only use the food delivery application at lunch time and dinner time.

5. How comfortable do you feel when using the food delivery application?

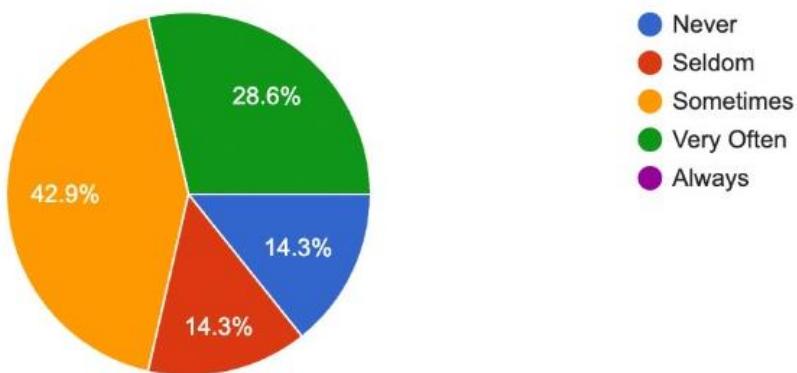
7 responses



Most of the people, round 42.9 percentages which are 3 people felt somewhat comfortable when using the food delivery application. Then, 2 people which are 28.6 percentages of people felt very comfortable when using the food delivery application. On the other hand, there are 2 people not comfortable when using it. One of them felt it is not really comfortable then the other one chooses the option of ‘Not at all’.

6. Did you experience any bad food quality using any food delivery application?

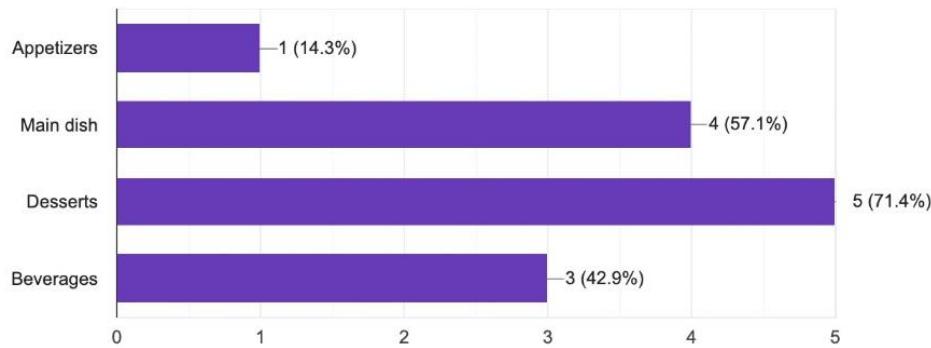
7 responses



The result of this question is not corresponding to the previous one question since most of the people which are 42.9 percentages choose they sometimes received the bad food quality when using food delivery question. Furthermore, 28.6 percentages of people express that they very often to experience bad food quality when using food delivery application. Lastly, 14.3 percentages of people choose that they never and seldom to receive bad quality food respectively.

7. What types of food are mostly bad in quality when using the food delivery application?

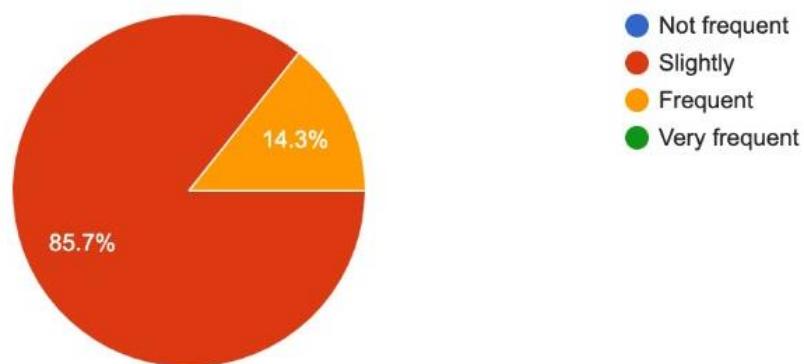
7 responses



This question is a several choice question, and this question illustrates what type of foods that are mostly bad in terms of quality, and also user can choose more than one type of foods. The desserts are the food that most people always received in bad quality, which are 71.4 percent of people experienced this. Then, the following is main dish, which is 57.1 percent of people to choose it. Besides that, there is only 1 people (14.3 percent) who experienced in received bad quality appetizer. But it does not mean the appetizers always in good quality, it also might be there are only a few people bought appetizers by food delivery application. Lastly, there are 3 people, which are 42.9 percent who always received the beverages in bad quality.

8. How frequently do you encounter late deliveries using the food delivery application?

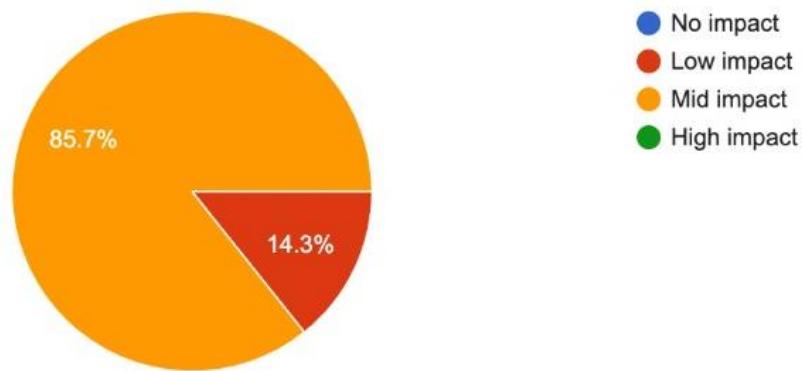
7 responses



7 people only choose the “Slightly” and “Frequently” to encounter late deliveries before. They are 85.7 percent and 14.3 percent respectively.

9. Did late deliveries have an impact in terms of the food quality?

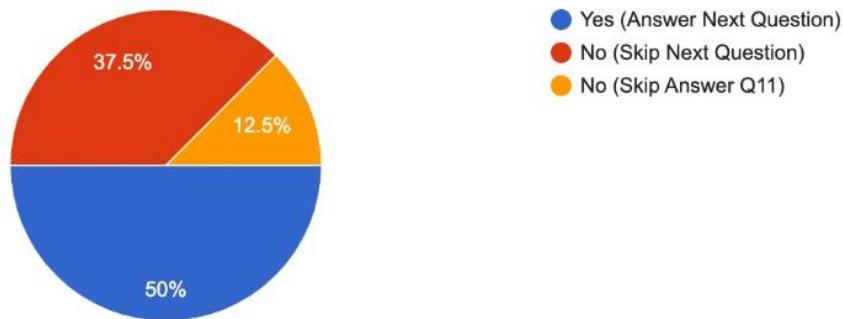
7 responses



85.7 percent of people think that the late delivery has certain impact to the food quality, whereby 14.3 percent of people think that is only a low impact to food quality.

10. Are there any reviews and rating options provided for the users base on an individual meal in the food delivery application?

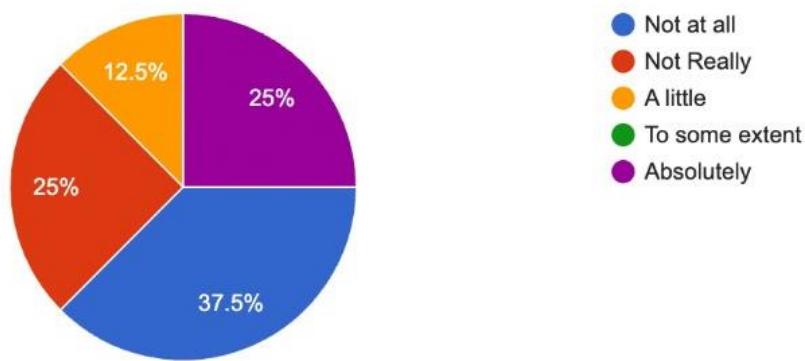
8 responses



There 8 people answer for this question. 4 of them have used the food delivery application which provided reviews and rating options. Then, 37.5 percent of people never use the food delivery application which provide reviews and rating options.

11. Are you satisfied with the existing system that allows users to give reviews and rating?

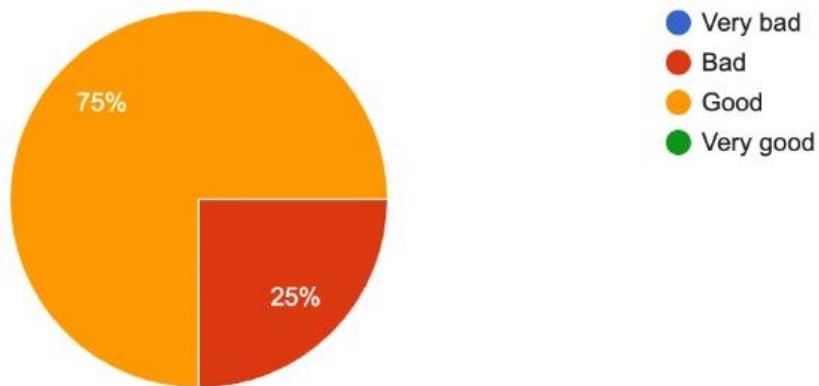
8 responses



37.5 percent, which are 3 peoples think that they not satisfy with the reviews and rating that existing system had right now. Then 25 percent of people which are 2 people think they “not really” satisfy with it. On the other hand, 1 of the people has a little satisfy with it. Unexpectedly, there are only 2 people absolutely satisfy with the give reviews and rating system that can get from market right now.

12. How is the quality of food packaging in the food delivery application?

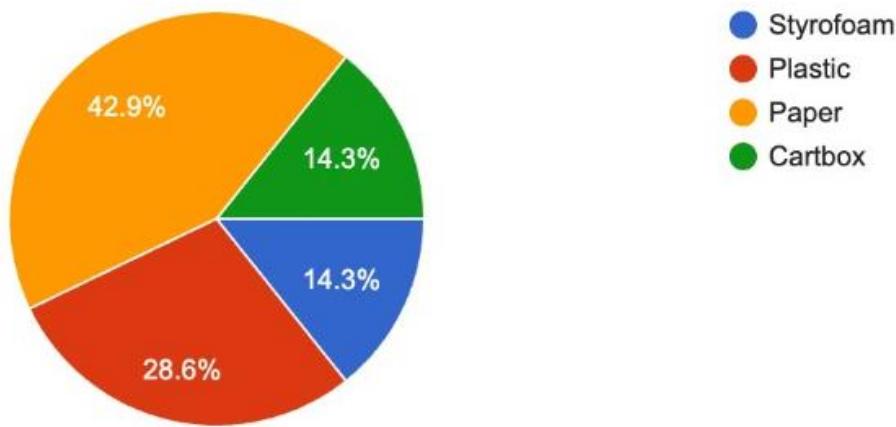
8 responses



This question is used to validate the quality of food packaging in food delivery application. There are 6 people think the food packaging is good and the rest think the quality of food packaging is not that ideal.

13. What are the most common packaging results in a bad food quality?

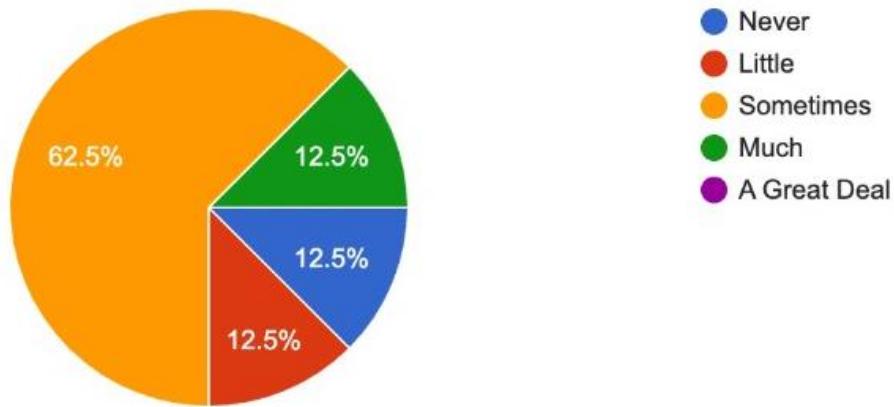
7 responses



According to the responses above, it tells us that the most common packaging that results in bad food quality is paper which is almost half in 42.9 percent, the second most is plastic which is in 28.6 percent. Moreover, there is styrofoam and cartbox with the same percentage which is in 14.3 percent. So, to conclude, Paper is the most common packaging to cause bad food quality, the second is plastic, and the third are syrofoam and cartbox since they have the same percentage.

14. Does the type of packaging affect the food quality?

8 responses



According to the responses above, more than half of the responses which are in 62.5 percent, are sometimes packaging can affect food quality, the rest of the responses are all in 12.5 percent which includes little, much, and a great deal in terms of packaging can affect the food quality. Thus we can conclude that packaging is not as impactful as others in terms of affecting food quality.

-
15. Based on your answers above, explain how food quality, later deliveries, and also packaging affect your overall experience when using the food delivery application.

7 responses

--
no comment

of course the experience will be bad as my reason to order is I am hungry, but my experiences on food quality are mostly food getting cold (I only order for main dishes). Packaging usually don't have impact too much, materials is based on the restaurant (mostly still using plastic bag to pack up the card/plastic box), but there is one time my beverage pour out because of the driver

--
no comment just hope the rider safe and selamat

--
Late deliveries will cause impacts on the food quality and the freshness level as well. In addition, the reviews and ratings option given to user is not that convenient since we cant rate for individual food that we order so that the restaurants can make improvements about it.

According to the comments above, there are several things that we can learn from, for instance, late deliveries may cause a lack of freshness and a lower food quality, since the food already been cooked for a period of time. Furthermore, in terms of packaging, the comments above stated that packaging is not a main issue for the bad food quality but there are several occasions that can also causes bad food quality such as a bad packaging lock resulting in foods or beverages to spill out. In short, late deliveries can cause lack of freshness and bad food quality, and a bad food packaging can result to other problems such as foods spilled out which cause another problem rather than the food quality itself.

Appendix: Methodology

Waterfall Model:

The waterfall model is a traditional model utilized in system development lifecycle to make a system with a linear and sequence methodology. It is named as waterfall because that the model grows methodically with one stage then onto the next in a descending style. This model is divided into various stages and the results of one stage is utilized as the contribution of the following stage. Each Stage must be finished before the following stage starts and there is no overlapping of the stages.

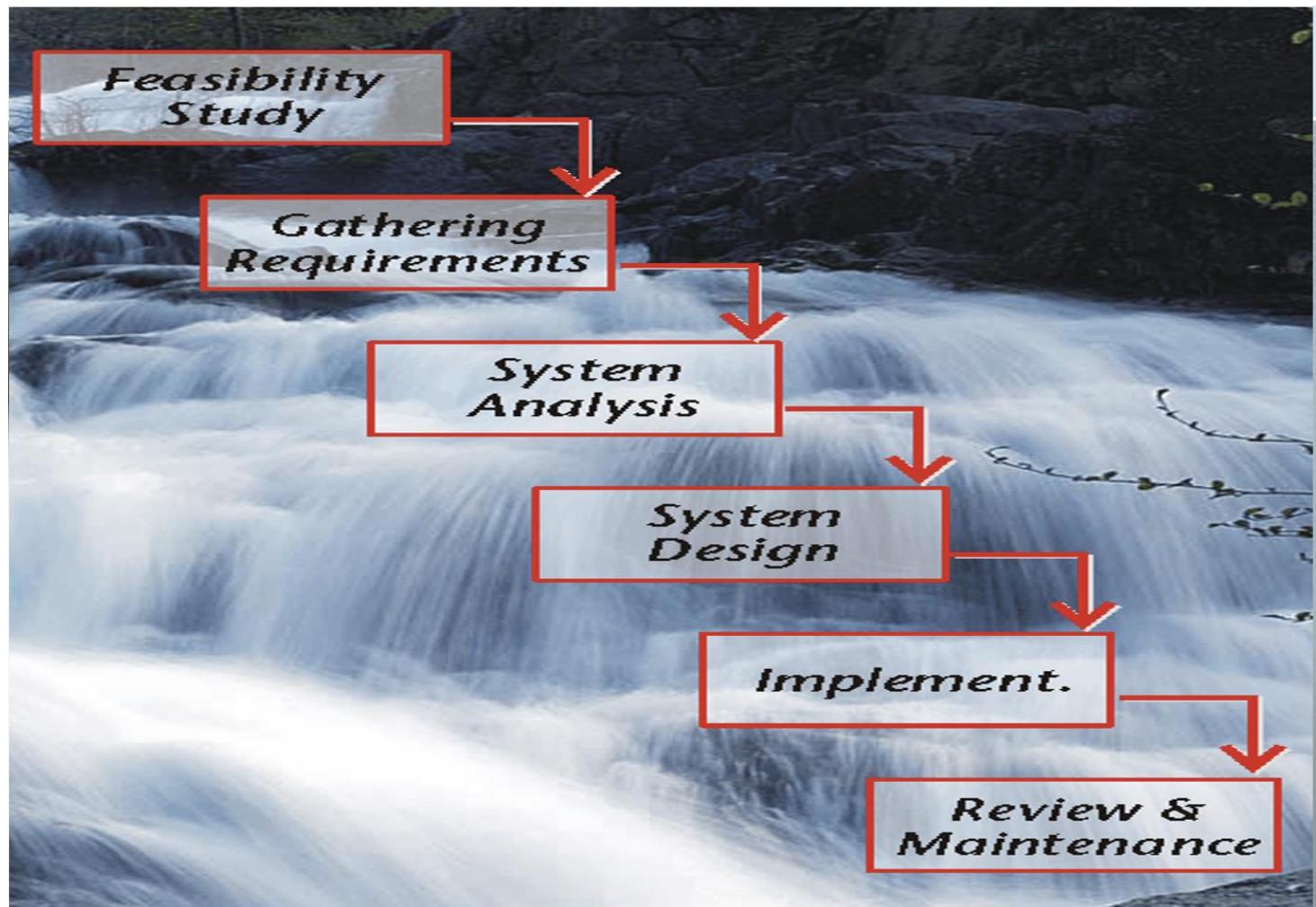
The sequential stages of Waterfall model are:

- 1) Feasibility Study
- 2) Requirement Gathering
- 3) System Analysis
- 4) System Design

5) Implementation

6) Review

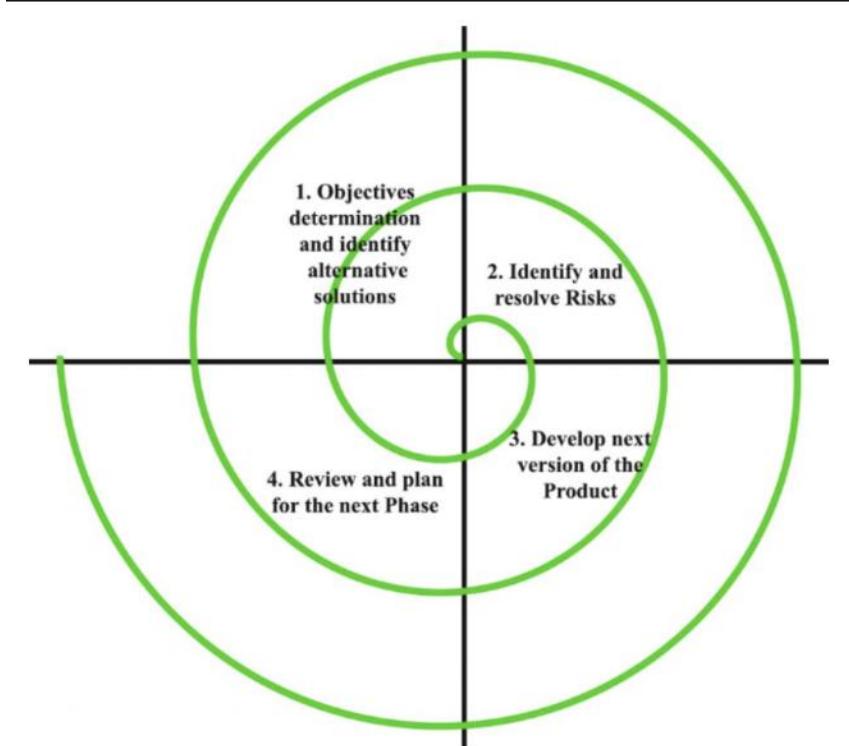
7) Maintenance



Pros	Cons
Functions admirably for small projects where requirements are very clear	Risk and uncertainty is extremely high
Easy to use, simple and understandable	Can't function admirably with complex and object-oriented projects

Spiral Model:

The spiral model is a model with more emphasis put on risk examination. The spiral model has four phases, Evaluation, Risk Analysis & Planning, Requirement Analysis, Develop & Test. This model also permits the product to be carried out and refined in each phases, with the capacity to fabricate prototype in each stage. A prototype is made toward the beginning of each phases as a risk management techniques. As you can notice the diagram below, it seems to be a spiral with many loops which that is the explanation of the model being called as Spiral model.



Pros	Cons
It is meant for projects that are huge and complex and it has the risk handling ability	Not reasonable for small projects as it is pricey
Requirements can be easily changed at later phases and can be integrated precisely	It requires more documentation when contrasted with different models

Agile Model:

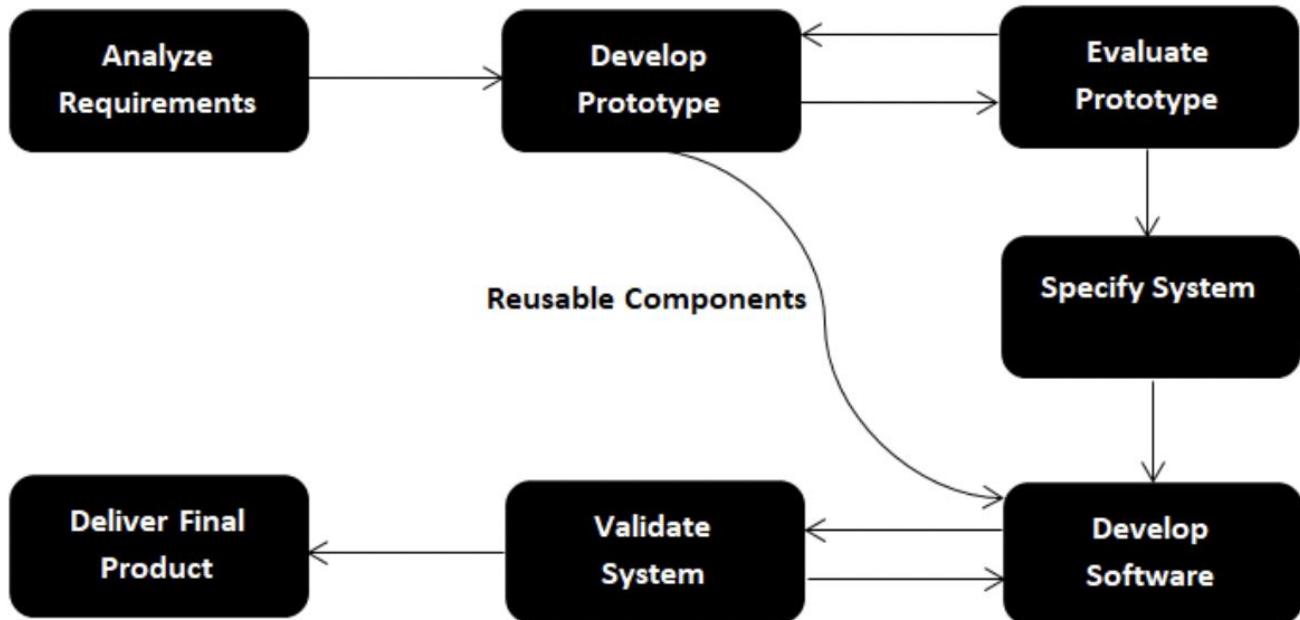
In this assignment, the methodology that we will utilize is agile methodology. Agile methodology supports flexible, quick advancement utilizing iterative development, delivering bits of the projects en route to guarantee customer needs are met. Continuous conveyance permits the customers to give consistent feedbacks, bringing about a higher quality product. This methodology breaks down enormous projects to be completed in unambiguous time spans.



Pros	Cons
More flexible since it is able to adapt changes much more rapidly than other methodology	Lack of documentation since in agile methodology, documentation is less important than reactionary planning and progress
Product gets to market faster since agile strategy focuses on product placement and it allows a department to deliver products to customers as quickly as possible	It will have difficulties in transferring from one management style then onto the next. It requires time to complete adjustment to the new obligations and style of how projects progress within a system

Throwaway Prototype:

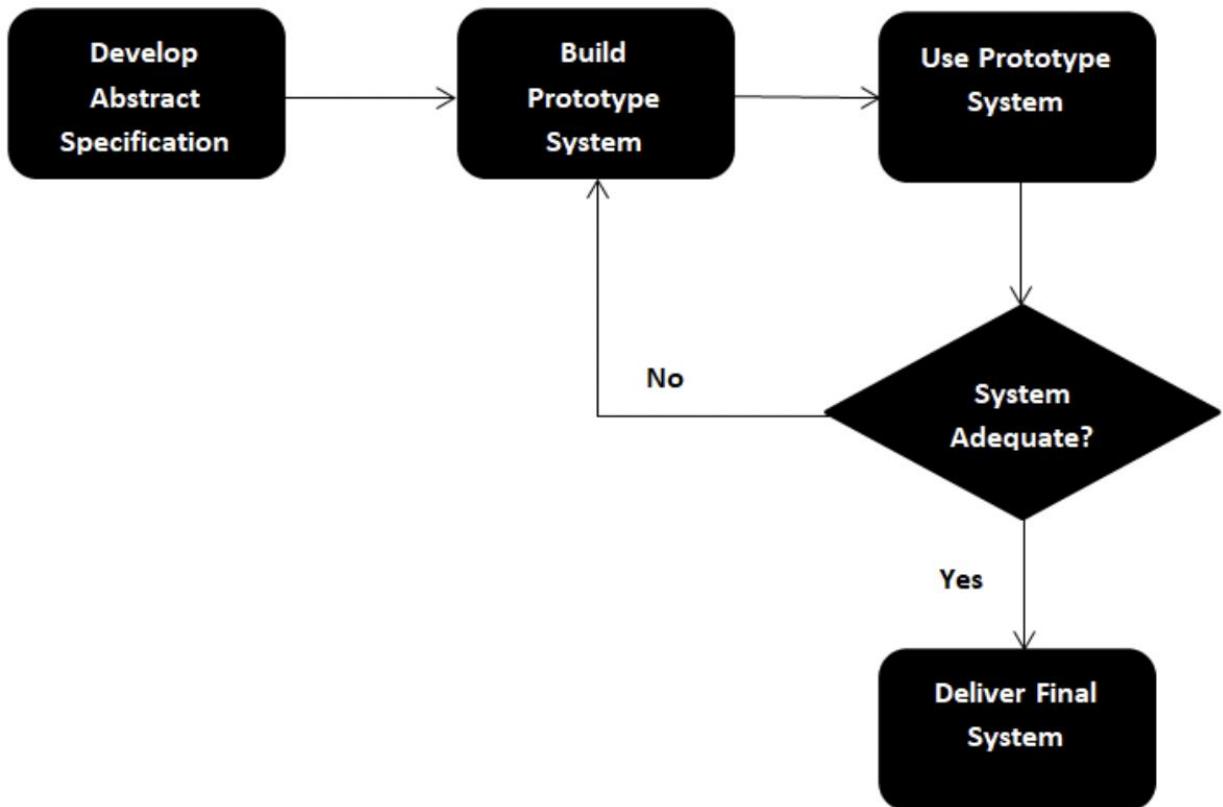
Throwaway Prototype alludes to the formation of a model that will eventually be discarded instead of turning out to be important for the final delivered software. At the point when objective has been achieved, the model is “thrown away, and the system is officially developed based on the identified requirements. This prototype is best used when various parts of the projects are to be tested, alongside the projects, with quick end-user feedback.



Pros	Cons
It provides functionality and interactions	Insufficient Analysis
It detect errors earlier which is cost effective	User Confusion

Evolutionary Prototype:

Evolutionary Prototype consolidates incremental and outrageous models. This model includes a progression of prototyping refinements. It is meant to design and split the system into several independent modules. By and large, this prototype develops in each stage, and this explains why it is called an evolutionary prototype.



Pros	Cons
It can be used for large projects where it is able to reduce errors	It is expensive for a long term maintenance
It is easy to detect missing functionality	On the off chance that it will lose information during improvement changes

Appendix: UAT Checklist**Basic Scope UAT Checklist****Form-Based Test Script (Basic)**

This checklist must be completed for ALL modules as listed in functional requirements Complete the test environment information. Attach a Defect Report if necessary to describe any anomalies.

MODULE: Basic**SCREEN :** N\A**TEST ENVIRONMENT:****Operating System:** N\A**Network:** N\A**Workstation Memory:** N\A

Form Based Testing Component	Pass/Fail	Date	Initials
1. Do the reviews and ratings will loop back if the user input is below 1 or more than 5?			
2. Do the feedback option will displayed if the user input is below 3 in the reviews and ratings?			
3. Does there any option for user to not provide a feedback?			
4. Does there any option for user to not provide reviews and ratings?			
5. Do all codes valid?			
6. Are error, warning and information messages accurate and understandable?			
7. Are the appropriate edits done on all fields (range of values, valid values etc.)			
8. Is there hint text available for all applicable items?			
9. Are the correct items case sensitive? (i.e. Do fields allow lower case text if they should only accept upper case?)			

Intermediate Scope UAT Checklist**Form-Based Test Script (Intermediate)**

This checklist must be completed for ALL modules as listed in functional requirements Complete the test environment information. Attach a Defect Report if necessary to describe any anomalies.

MODULE: IntermediateSCREEN : N\A**TEST ENVIRONMENT:**Operating System: N\ANetwork: N\AWorkstation Memory: N\A

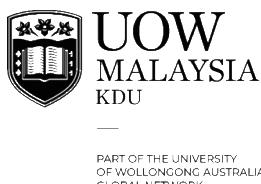
Form Based Testing Component	Pass/Fail	Date	Initials
1. Do the system be able to differentiate the past and present reviews and ratings?			
2. Do the system be able to analyze the improvements of the reviews and ratings after food enhancements have been made?			
3. Do the system be able to differenciate the past and present feedbacks?			
4. Do the system be able to analyze the improvements of the feedbacks after improvements have been made?			

Advanced Scope UAT Checklist**Form-Based Test Script**

This checklist must be completed for ALL modules as listed in functional requirements Complete the test environment information. Attach a Defect Report if necessary to describe any anomalies.

MODULE: AdvancedSCREEN : N\A**TEST ENVIRONMENT:**Operating System: N\ANetwork: N\AWorkstation Memory: N\A

Form Based Testing Component	Pass/Fail	Date	Initials
1. Do system be able to generate a monthly report on customers' satisfactions towards the food quality?			
2. Do the systems be able to sort out bad reviews and ratings to allow futher improvements?			
3. Do the systems be able to sort out good reviews and ratings to notify the restaurants with their achievements?			
4. Do the system be able to make a proper comparison between bad and good reviews and ratings so that restaurants can reflect on that, and make further adjustments in terms of their foods?			
5. Do the systems be able to sort out good feedbacks to notify the restaurants with their achievements?			
6. Do the system be able to make a proper comparison between bad and good feedbacks so that restaurants can reflect on that, and make further adjustments in terms of their foods?			

Appendix: Log Sheet**FooFangKhai_0134196**
Appendix 1: Project Logbook Sheet
XBCS1053- Object Oriented Analysis & Design
Notes on use of the project logbook

1. The purpose of the Project Logbook to document these meetings and therefore build up a record of the student's progress throughout the project.
2. The student should prepare for the meetings by deciding which questions he or she needs to ask the lecturer and what progress has been made since the last meeting (if applicable) and noting these in the relevant sections of the sheet, effectively forming an agenda for the meeting.
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Meeting date: 31-5-2022	
Student's full name: Foo Fang Khai	Student's ID: 0134196
Project title: Food Delivery Application	

Circle week number:

2	4	6	8	10
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Work Done (Please write the details of the work done after the last meeting):

- 1. I'm in charge of doing the problem statement and solution, project scope, and project objectives. The rest of the members in charge of doing the rest.**
- 2. Ideas were discussed during the meeting, and I will compile the information discussed and assign tasks to my group members**
- 3. Goo Han Cong and Marco Setiawan will be doing the gantt chart and deciding on the roles and responsibilities for our group.**

Record of discussion of meeting with lecturer

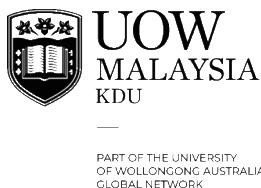
1.

2.

Further notes by lecturer or student (if applicable):..... **FK**

lecturer's Signature

Student's Signature



Appendix 1: Project Logbook Sheet

XBCS1053- Object Oriented Analysis & Design

Notes on use of the project logbook

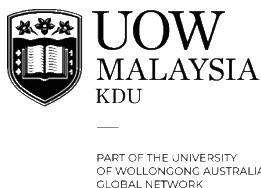
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Meeting date: 08/06/2022	
Student's full name: Foo Fang Khai	Student's ID: 0134196
Project title: Food Delivery Application	

Circle week number:

	2	4	6	8	10
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Work Done (Please write the details of the work done after the last meeting):	
<p>1. I had organized a meeting with Goo Han Cong and Marco Setiawan. During this meeting, we had done with our context diagram, user characteristics, and the external interface. We are not quite sure whether is our direction is correct or not, so we will be planning to consult Miss about the assignment.</p> <p>2. We will be having another meeting by this weekends to discuss about the objectives of the questionnaire and the ten questions that we will be putting in our questionnaire. In addition, we will analyze the objectives for each question set in our questionnaire.</p> <p>3. I had checked with them on our gantt chart and our progress of our assignment. Everything was on track and gantt chart was updated to the requirements needed by Miss.</p>	
Record of discussion of meeting with lecturer	
<p>1.</p> <p>2.</p>	
Further notes by lecturer or student (if applicable):	



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XBCS1053- Object Oriented Analysis & Design

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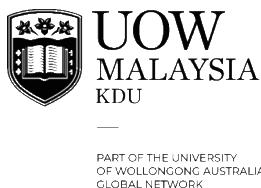
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Meeting date: 18/06/2022, 19/06/2022, 24/06/2022, 26/06/2022, 01/07/2022						
Student's full name: Foo Fang Khai	Student's ID: 0134196					
Project title: Food Delivery Application						

Circle week number:

	2		4		6		8		10
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Work Done (Please write the details of the work done after the last meeting):	
<p>1. On the 18th of June, I organized a meeting with them to discuss about the questions needed for the questionnaire (Demographic and Pre-Test) as well as the objectives. After we had discussed about this, Goo Han Cong and Marco Setiawan will do a check on everything and send me a copy on that day itself for me to re-check again. So, I hold another meeting 19th of June to make some changes on parts that they had changed.</p>	
<p>2. On the 24th of June, another meeting was held to discuss upon the use case diagram, product features and functional requirement. On that day itself, we did modify the context diagram to make some improvements. But we can't manage to do all on the same day so we plan to meet again on the 26th of June. So during this meeting, we had completed all product features and functional requirements. I informed Goo Han Cong and Marco Setiawan to update the Gantt chart regarding our progress. Lastly, Goo Han Cong and Marco Setiawan discussed among themselves regarding the functional requirement and they had sent me a copy of it and I will do the final check for them.</p>	
<p>3. On the 1st of July, I had organized a meeting with them to discuss upon the activity diagram. We manage to complete the activity diagram in one day time and I'm doing the final editing of the alignment of the activity diagram, etc.</p>	
Record of discussion of meeting with lecturer	
1.	
2.	
Further notes by lecturer or student (if applicable):	



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Meeting date: -						
Student's full name: Foo Fang Khai				Student's ID: 0134196		
Project title: Food Delivery Application						

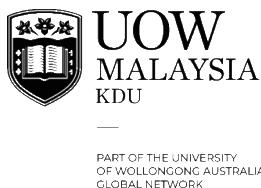
Circle week number:

	2		4		6		8		10
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Work Done (Please write the details of the work done after the last meeting):	
1. We had just distributed the questionnaire that we did it earlier and gonna discuss upon the sequence diagram and class diagram by next week.	
2.	
3.	
Record of discussion of meeting with lecturer	
1.	
2.	
Further notes by lecturer or student (if applicable):	

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lecturer's Signature

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FK
Student's Signature



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Meeting date: Mid Of July – Start Of Aug						
Student's full name: Foo Fang Khai	Student's ID: 0134196					
Project title: Food Delivery Application						

Circle week number:

	2		4		6		8		10
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Work Done (Please write the details of the work done after the last meeting):	
<p>1. Completed all UML Diagrams within that period of time. We had done class diagram, state chart diagram, sequence diagram.</p>	
<p>2. Compilation will be done by me and final check will be done by Marco Setiawan and Goo Han Cong whereby we will be focusing on our last part now, poster and some incomplete appendix</p>	
<p>3.</p>	
Record of discussion of meeting with lecturer	
<p>1.</p>	
<p>2.</p>	
Further notes by lecturer or student (if applicable):	

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lecturer's Signature

.....
Student's Signature



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Meeting date:	
Student's full name: Goo Han Cong	Student's ID: 0133677
Project title: Food Delivery Application	

Circle **week number**:

	(2)	4	6	8	10
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Work Done (Please write the details of the work done after the last meeting):

- 1. I do the Gantt Chart with Marco Setiawan.**
- 2. I have constructed the project objective, role and responsibilities with other groupmates.**
- 3. I have identified hardware and software specification.**

Record of discussion of meeting with lecturer

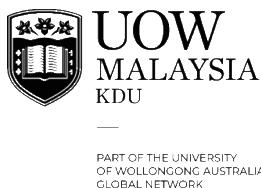
1.

2.

Further notes by lecturer or student (if applicable):

.....
lecturer's Signature

.....
Student's Signature



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Meeting date:	
Student's full name: Goo Han Cong	Student's ID:0133677
Project title: Food Delivery Application	

Circle week number:

	2		4		6		8		10
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Work Done (Please write the details of the work done after the last meeting):	
<p>1. This week, me, Fangkhai and Marco had a meeting to finish our context diagram, user interfaces and product features.</p> <p>2. We are meeting physically, most of the word were typed by Fangkhai, me and Marco were providing the idea and Fangkhai discuss with us and typed it.</p> <p>3.</p>	
Record of discussion of meeting with lecturer	
<p>1.</p> <p>2.</p>	
Further notes by lecturer or student (if applicable):	

.....
lecturer's Signature

.....
Student's Signature



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Meeting date: 18/06/2022, 19/06/2022, 24/06/2022, 26/06/2022, 01/07/2022						
Student's full name:	Student's ID: 0133677					
Project title: Food Delivery Application						

Circle **week number**:

	2		4		6		8		10
--	---	--	---	--	---	--	---	--	----

Work Done (Please write the details of the work done after the last meeting):	
<p>1. We have finished the context diagram, use case diagram, product features and use case diagram on the time that we set.</p> <p>2. For now, we normally did our assignment during the meeting so we always do it and discuss it together.</p>	
3.	
Record of discussion of meeting with lecturer	
1.	
2.	
Further notes by lecturer or student (if applicable):	

.....
lecturer's Signature

.....
Student's Signature



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Meeting date: 4 - 7 - 2022						
Student's full name: Goo Han Cong	Student's ID: 0133677					
Project title: Food Delivery Application						

Circle **week number:**

	2		4		6	8		10
--	----------	--	----------	--	----------	----------	--	-----------

Work Done (Please write the details of the work done after the last meeting):	
1. In this week, we only distributed our questionnaire since we had finished all of the work before this week.	
2.	
3.	
Record of discussion of meeting with lecturer	
1.	
2.	
Further notes by lecturer or student (if applicable):	

.....
lecturer's Signature

.....
Student's Signature



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3. Log sheets are compulsory assessment criteria for **Object Oriented Analysis & Design**. Students who fail to meet the requirements of log sheets will not be allowed to submit **Object Oriented Analysis & Design**.

Meeting date:	
Student's full name: Goo Han Cong	Student's ID: 0133677
Project title: Food Delivery Application	

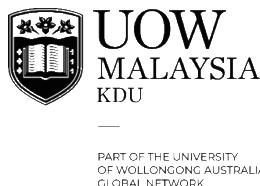
Circle week number:

	2		4		6		8		10
--	----------	--	----------	--	----------	--	----------	--	-----------

Work Done (Please write the details of the work done after the last meeting):	
1. We had finished the sequence diagram, class diagram and state chart. Now, we only have to our postal and compile the file.	
2.	
3.	
Record of discussion of meeting with lecturer	
1.	
2.	
Further notes by lecturer or student (if applicable):	

.....
lecturer's Signature

.....
Student's Signature



Appendix 1: Project Logbook Sheet

XBCS1053- Object Oriented Analysis & Design

Notes on use of the project logbook

1. The purpose of the Project Logbook to document these meetings and therefore build up a record of the student's progress throughout the project.
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Meeting date: 31 May 2022 (Meeting with teammates)	
Student's full name: Marco Setiawan	Student's ID: 0134172
Project title: Food Delivery Application	

Circle week number:

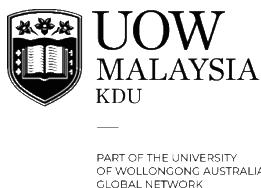
	2	4	6	8	10
--	---	---	---	---	----

Work Done (Please write the details of the work done after the last meeting):	
1. I have finished creating the gantt chart on Sunday with my other teammate so I can say I did half of the gantt chart	
2.	
3.	
Record of discussion of meeting with lecturer	
1.	
2.	
Further notes by lecturer or student (if applicable):	

.....
lecturer's Signature

Marco Setiawan.....

.....
Student's Signature



Appendix 1: Project Logbook Sheet

XBCS1053- Object Oriented Analysis & Design

Notes on use of the project logbook

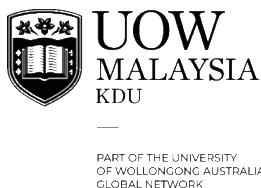
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3. Log sheets are compulsory assessment criteria for **Object Oriented Analysis & Design**. Students who fail to meet the requirements of log sheets will not be allowed to submit **Object Oriented Analysis & Design**.

Meeting date: Physically meeting with teammates dates: 18/06/2022, 19/06/2022, 24/06/2022, 26/06/2022, 01/07/2022.	
Student's full name: Marco Setiawan	Student's ID: 0134172
Project title: Food Delivery Application	

Circle **week number:**

	2		4		6		8		10
--	---	--	---	--	---	--	---	--	----

Work Done (Please write the details of the work done after the last meeting):	
<p>1. We did some physical meetings these last two weeks and discussed in several parts such as modifying the context diagram, and product features since we have done it in week 4, we were modifying those 2 things because there are some parts that are not suitable or had ambiguous meaning to it so we changed it to make it clearer and also to make it connected to other parts such as Use Case Table, Use Case Diagram, etc.</p> <p>2. These 2 weeks we also had completed the Use Case Diagram, Use Case Table, and the Activity Diagram, thus finishing these 2 weeks assignments.</p> <p>3. We also updating the gantt chart since we have done several tasks within 2 week span</p>	
Record of discussion of meeting with lecturer	
<p>1.</p> <p>2.</p>	
Further notes by lecturer or student (if applicable):	
We did not have any individual works since we were having physical meetings so we did it together.	



Appendix 1: Project Logbook Sheet

XBCS1053- Object Oriented Analysis & Design

Notes on use of the project logbook

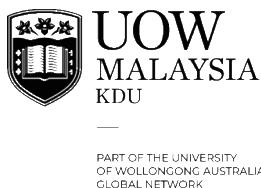
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3. Log sheets are compulsory assessment criteria for **Object Oriented Analysis & Design**. Students who fail to meet the requirements of log sheets will not be allowed to submit **Object Oriented Analysis & Design**.

Meeting date: Physically meeting with teammates dates: 18/06/2022, 19/06/2022, 24/06/2022, 26/06/2022, 01/07/2022.	
Student's full name: Marco Setiawan	Student's ID: 0134172
Project title: Food Delivery Application	

Circle **week number:**

	2		4		6		8		10
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Work Done (Please write the details of the work done after the last meeting):	
<p>1. We did some physical meetings these last two weeks and discussed in several parts such as modifying the context diagram, and product features since we have done it in week 4, we were modifying those 2 things because there are some parts that are not suitable or had ambiguous meaning to it so we changed it to make it clearer and also to make it connected to other parts such as Use Case Table, Use Case Diagram, etc.</p> <p>2. These 2 weeks we also had completed the Use Case Diagram, Use Case Table, and the Activity Diagram, thus finishing these 2 weeks assignments.</p> <p>3. We also updating the gantt chart since we have done several tasks within 2 week span</p>	
Record of discussion of meeting with lecturer	
<p>1.</p> <p>2.</p>	
Further notes by lecturer or student (if applicable):	
We did not have any individual works since we were having physical meetings so we did it together.	



Appendix 1: Project Logbook Sheet

XBCS1053- Object Oriented Analysis & Design

Notes on use of the project logbook

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Meeting date: Physically meeting with teammates dates: 18/06/2022, 19/06/2022, 24/06/2022, 26/06/2022, 01/07/2022.	
Student's full name: Marco Setiawan	Student's ID: 0134172
Project title: Food Delivery Application	

Circle **week number:**

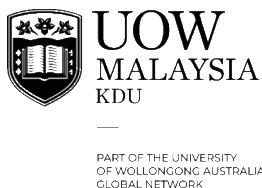
	2		4		6		8		10
--	---	--	---	--	---	--	---	--	----

Work Done (Please write the details of the work done after the last meeting):	
1. This 2 weeks we just did the questionnaire.	
2.	
3.	
Record of discussion of meeting with lecturer	
1.	
2.	
Further notes by lecturer or student (if applicable):	
We did not have any individual works since we were having physical meetings so we did it together.	

Marco Setiawan.....

.....
lecturer's Signature

.....
Student's Signature



Appendix 1: Project Logbook Sheet

XBCS1053- Object Oriented Analysis & Design

Notes on use of the project logbook

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Meeting date: Physically meeting with teammates dates: 18/06/2022, 19/06/2022, 24/06/2022, 26/06/2022, 01/07/2022.							
Student's full name: Marco Setiawan	Student's ID: 0134172						
Project title: Food Delivery Application							

Circle **week number:**

	2		4		6		8		(10)
--	---	--	---	--	---	--	---	--	------

Work Done (Please write the details of the work done after the last meeting):	
1. This 2 week we have done two tasks which are state chart and sequence diagram, but we have total of 18 each so this two weeks we invested everything in this two tasks.	
2. We also update the gantt chart since we have completed several tasks.	
3.	
Record of discussion of meeting with lecturer	
1.	
2.	
Further notes by lecturer or student (if applicable):	
We did not have any individual works since we were having physical meetings so we did it together.	

Marco Setiawan.....

.....
lecturer's Signature

.....
Student's Signature

Appendix: Proposal

1.0 Problem Statement (Words Count: 150 words)

There is a problem in food delivery applications that is as of now looked at by different nations where the food quality is flighty. Despite, a countermeasure being taken to counter this issue by zeroing in on packaging to build the food quality, however the result has not effectively further developed the food quality. This problem has negatively affected eateries' profits since their costs of expenses increase because of utilizing high-quality packaging products, such as glass containers. A possible cause of this problem is that the food goes through a ton of stress during travel due to bumps, movements, and vibrations out and about which diminishes the quality of the food and will likewise unfavorably influence the food's freshness level referenced by Samsukha, A., 2021. Perhaps a study which investigates the quality of food by implementing a method (function) in existing food delivery applications could help to resolve this situation.

2.0 Problem Solution (Words Count: 150 words)

The ascent of the online food delivery culture had caused the issue of erratic food quality. Subsequently, there is a solution to overcome this issue. Implementing a method in existing food delivery applications that permit consumers to give reviews and ratings could potentially further develop the food quality. Connecting back to the origin of this issue, poor road conditions. A poor road condition will bring about poor food quality which prompted poor reviews and ratings from consumers. Hence, with the data and information gathered by data analysts from reviews and ratings, they could analyze those data and information and track down new open doors or an elective path for the driver to deliver food varieties to those regions where those food sources will go through lesser stress during travel. Moreover, notoriety can be built from good reviews and ratings which builds the demand and prompts to expansion in annual profit.

3.0 Project Objective

- 3.1 To study the existing reviews and ratings given by consumers on the food quality
- 3.2 To design and develop a food delivery application.
- 3.3 To validate the efficiency of the food delivery application.

4.0 Project Scope

Level	Function	Description
Basic	The system shall have a function that allows consumers to give reviews and ratings.	The system will allow consumers to give reviews as well as ratings from 0 to 5 based on the food quality received by consumers. In addition, when ratings are given below 3, consumers will have the right to generate a feedback form where they could top off with their dissatisfactions.
Intermediate	The system shall be able to analyse those reviews and ratings given after improvements are made.	Since improvements like suggesting an alternative path for those areas that gave poor reviews and ratings on the food quality will be made, so the system shall be able to analyse those reviews and ratings after enhancements are made. This could test the efficiency of the system by contrasting the past and present records of the fulfillment of consumers.
Advance	The system shall be able to generate a monthly report on the relationships between the satisfaction of consumers and demands.	Toward the month's end, the system shall be able to generate a report by sorting every one of the bad reviews and ratings together to make further improvements. Likewise, good reviews and ratings given ought to be categorized with the demands for that month to dissect whether both of the elements are directly or indirectly proportional so that the business could make further improvements.

Table 1.0: Project Scope

5.0 Hardware and Software Specification

Requirements	Specification
Hardware	<ol style="list-style-type: none"> 1. Personal Computers running on Mac M1 chip. 2. Personal Computer running on core i5 8th gen, Window 11 3. Personal Computer running on Window 10
Software	<ol style="list-style-type: none"> 1. Microsoft Word 2. TeamGantt 3. Google Document 4. Eclipse

Table 2.0: Hardware and Software Specification

6.0 Role & Responsibilities

Role	Responsibilities	Name
Scrum Master / Analyst	Scrum Master and Analyst	Foo Fang Khai
Author / Editor / Designer	Author and Designer: Marco Setiawan Editor: Goo Han Cong	Marco Setiawan / Goo Han Cong
Programmer	Programmer	Foo Fang Khai
Tester	Tester	Goo Han Cong

Table 3.0: Role & Responsibilities

7.0 Gantt Chart



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