

Hong Kong Institute of Vocational Education (Sha Tin)

Department of Information Technology

Final Year Project (ITP4913M)

Interim Report

(2019/2020)

Project Title : Restaurant order system

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We declare that this is a group project and that no part of this submission has been copied from any other student's work or from any other source except where due acknowledgement is made explicitly in the text, nor has any part been written for us by another person.

Student	Contribution to the project (%) (Total 100%)	Signature
Pang Hing Chuen	50%	
Kong Chi To	50%	

Abstract

The objective of project:

Some restaurant was employee hand write order. When there have a lot of customer, the restaurant's employee will hard to handle. Also, it is easy to lose customer orders.

Hong Kong people are busy. If employee lose customer orders, they will scold employee. Then, the restaurant's reputation will reduce.

This project is for restaurants that want to improve efficiency and prevent lost orders. In this project, we will design a restaurant order system which allow restaurant let the staff at restaurant also easily place orders and increase their efficiency. The system target restaurants are start-ups or small restaurants.

This report will show the function and the solution which the system can provide will demonstrated in the report.

Acknowledgement

we would like to express our special thanks of gratitude to our project supervisor,Ivan Cheang and norman chan, for his careful guidance and patience in supervising our project.

Then, we also thank my friend and group member, only 2 people do this project are not easy. Although we encounter many different bugs in the process of coding ,we have not give up and find the solution. This make us more friendly.

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Introduction

The project is made the order system to help restaurant to manage order and their food menu on database. The system will be two type of devices can use it. The server site of system should run in windows system computer as windows system computer is the most volume of user. The client site of system is on web site and app site because the web site is the most convenient and app site can use more function.

The system is restaurant order system. It gives staff use web or mobile phone app to create order. If staff want to modify order, they need to use the computer.

Interfaces with existing systems: android and website.

For the android system it can use create order function, additional Order Function, view order function, This can meet daily needs.

For the website it is the backstage to give administrator manage the system. The website administrator can use all of function. Different account's permission can use different function. Also, when the app was dead, restaurant's staff can use the website to create order.

The requirement

2.1 Functional Requirement

2.1.1 Create Order Function

The system provided the create order function for restaurant. Restaurant's employee can select food to create order. System will able to generate an order and order default information. After, it can generate online receipt.

2.1.2 Modify Order Function

When employee select wrong food on the order, they can click the 'Delete' to remove the food and choose again. The system will allow the employee to modify order. It is not affect other data stored within the database.

2.1.3 Additional Order Function

When customer Additional food, employee can use this function to add the food on designate orderID. This can be avoided create new order.

2.1.4 View order function

This function include View order Detail, settle order and delete order function.

2.1.4.1 View order Detail

This function can view the detail of the order, it will show the order's food detail and other information.

2.1.4.2 settle order

Employee can complete the order and generate the order detail to display the total amount for customer. Then, customer can payment and saw the order detail.

2.1.4.3 Delete Order

Employee can Delete order . But it will not delete the orders's food as order's food can calculate food.

2.1.5 Calculate Function

This function can calculate restaurant sum of business. It need select time between time. Then, it will show the form of sum of business.

2.1.6 Edit menu Function

This function include add menu and edit show/hide menu. Restaurant manager can control the system to add the food menu. Also, he can control the menu are show or hide. This function will affect the menu display.

2.1.7 Edit food Function

Restaurant manager can control the system to add the food on system and display on food menu. Also, it can control the food put it on other menu.

2.1.8 Edit account Function

Restaurant manager can create the system account to give staff to use the system. Then, he can delete account on the system. Also, he can change the account password and permissions.

2.1.9 Show order's food Function

This function display order's food on the screen. Chef can see that. Also, When chefs complete the food, they can click 'complete' to hide the complete order's food.

2.3 Non-functional Requirement

2.3.1 Supportability

Our maintenance department will record and monitor the operation status of the order system. If there the system is crash down, our maintenance department will solve the problems immediately.

2.3.2 Reliability

The system will save the restaurant order in database. When restaurant computer crash down, it will not lost data.

2.3.3 Security

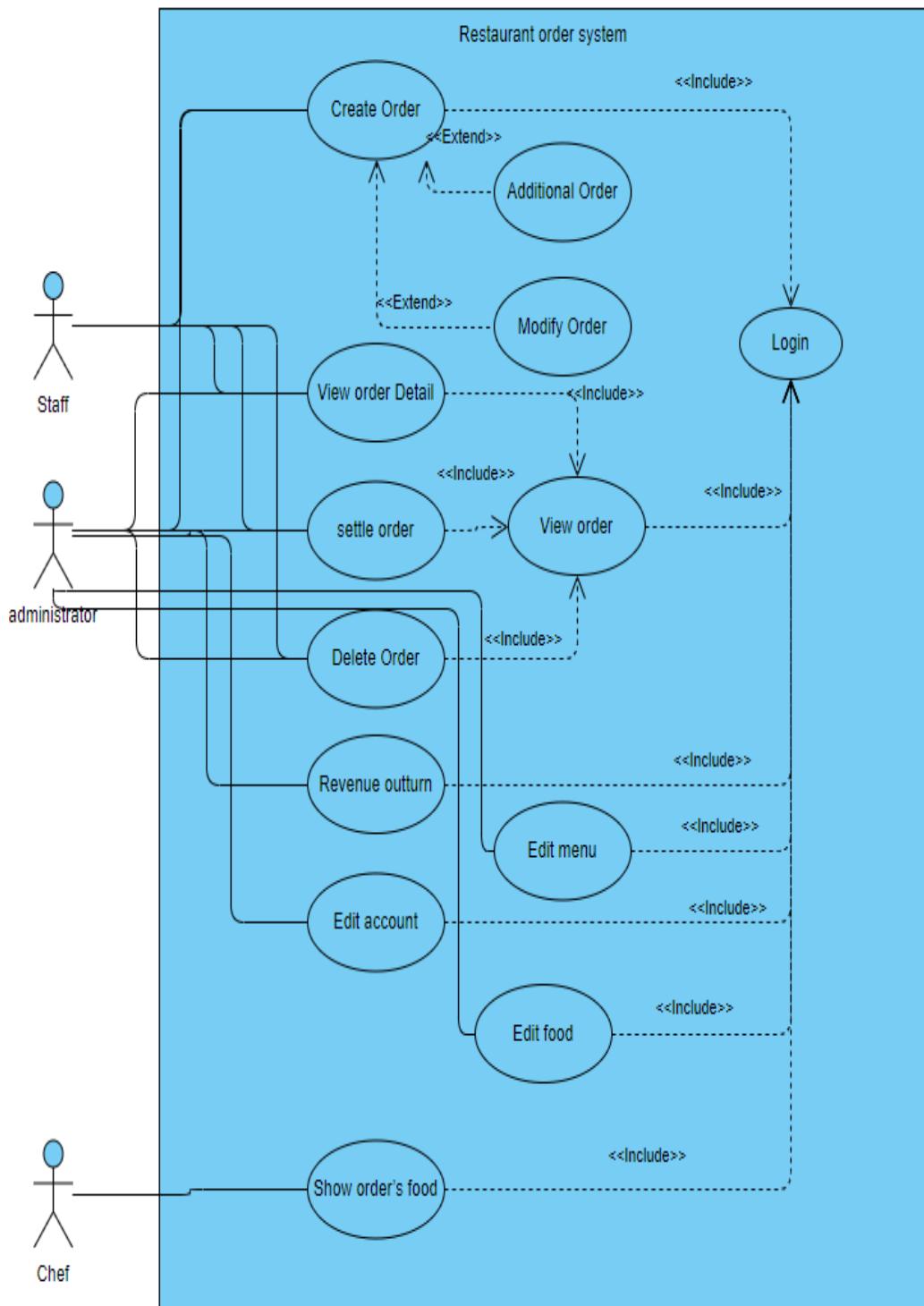
The system will encrypt the data when there is a transfer of the data. If someone gets our data through the internet, they cannot read the data. It ensures that data transmission was secured.

2.3.4 Usability

Our restaurant order system have Create Order Function, Modify Order Function, Additional Order Function, Complete order function, Calculate Function, Add menu Function, Add food Function, Create account Function... to provide restaurant a comprehensive order system.

Documentation for problem analysis

Use case diagram



Use Case: Login
Use Case ID: UseCase-001
Actor: Staff, Administrator, Chef
Description: A user login by enter his/her ID and password

Use Case: Create Order
Use Case ID: UseCase-002
Actor: Staff, Administrator
Description: A user can create order.

Use Case: Additional Order
Use Case ID: UseCase-003
Actor: Staff, Administrator
Description: A user can add the food/drink into order, after create order.

Use Case: Modify Order
Use Case ID: UseCase-004
Actor: Staff, Administrator
Description: A user can add the food/drink into order, after create order.

Use Case: View order

Use Case ID: UseCase-005

Actor: Staff, Administrator

Description: A user can view the order in the restaurant.

Use Case: View order Detail

Use Case ID: UseCase-006

Actor: Staff, Administrator

Description: A user can view the detail of the order.

Use Case: settle order

Use Case ID: UseCase-007

Actor: Staff, Administrator

Description: A user can settle order to pay money.

Use Case: Delete Order

Use Case ID: UseCase-008

Actor: Staff, Administrator

Description: A user can delete order to make it disappear in the database..

Use Case: Revenue outturn

Use Case ID: UseCase-009

Actor: Administrator

Description: A user can revenue outturn to see the sum of money are earned.

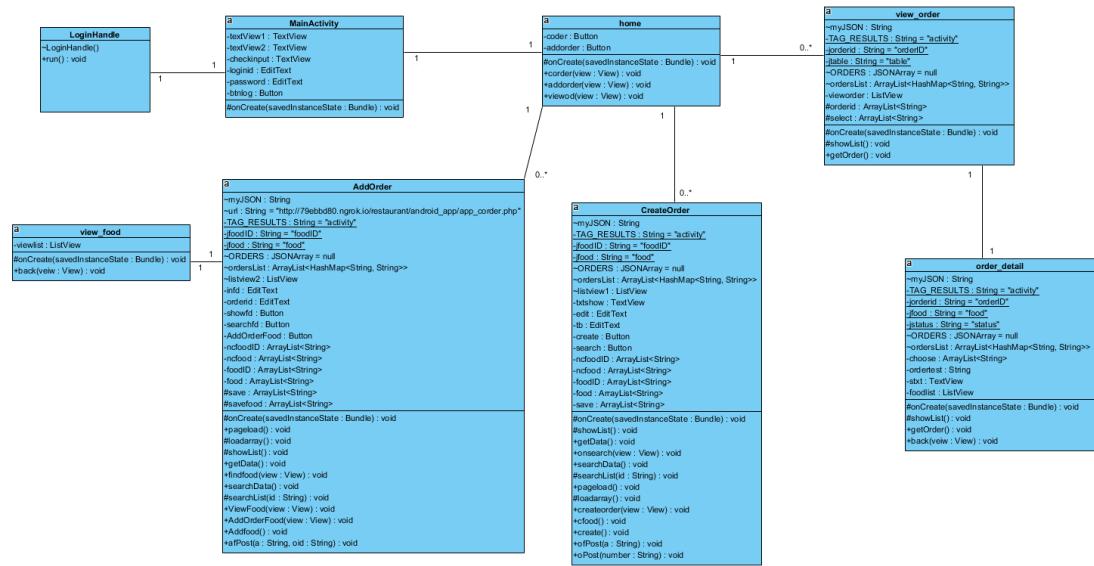
Use Case: Edit menu
Use Case ID: UseCase-010
Actor: Administrator
Description: A user can add menu and display the menu.

Use Case: Edit account
Use Case ID: UseCase-011
Actor: Administrator
Description: A user can create/delete account and change password or permission of website.

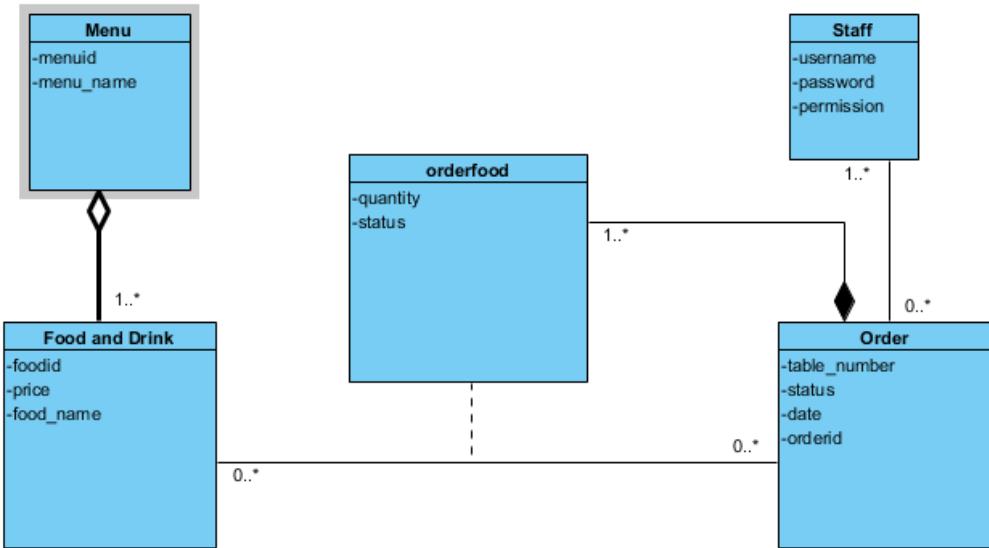
Use Case: Edit food
Use Case ID: UseCase-012
Actor: Administrator
Description: A user can add food/drink into menu and move the food/drink to different menu.

Use Case: Show order's food
Use Case ID: UseCase-013
Actor: Chef
Description: A user can view the food/drink need to make and input the food/drink are completed.

App Class diagram

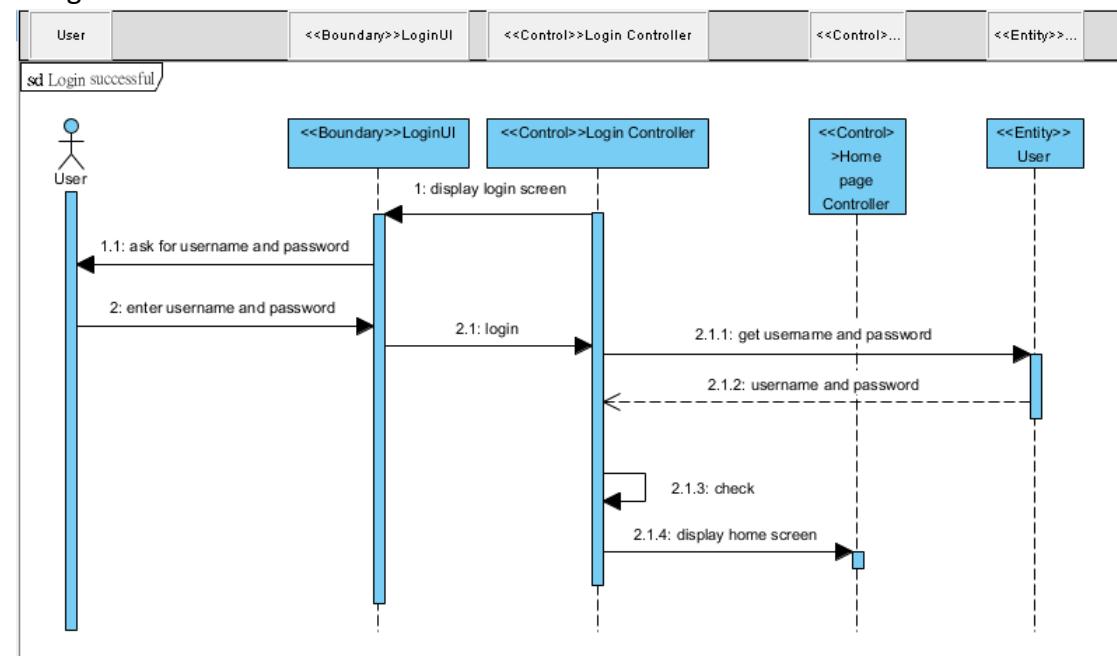


case diagram

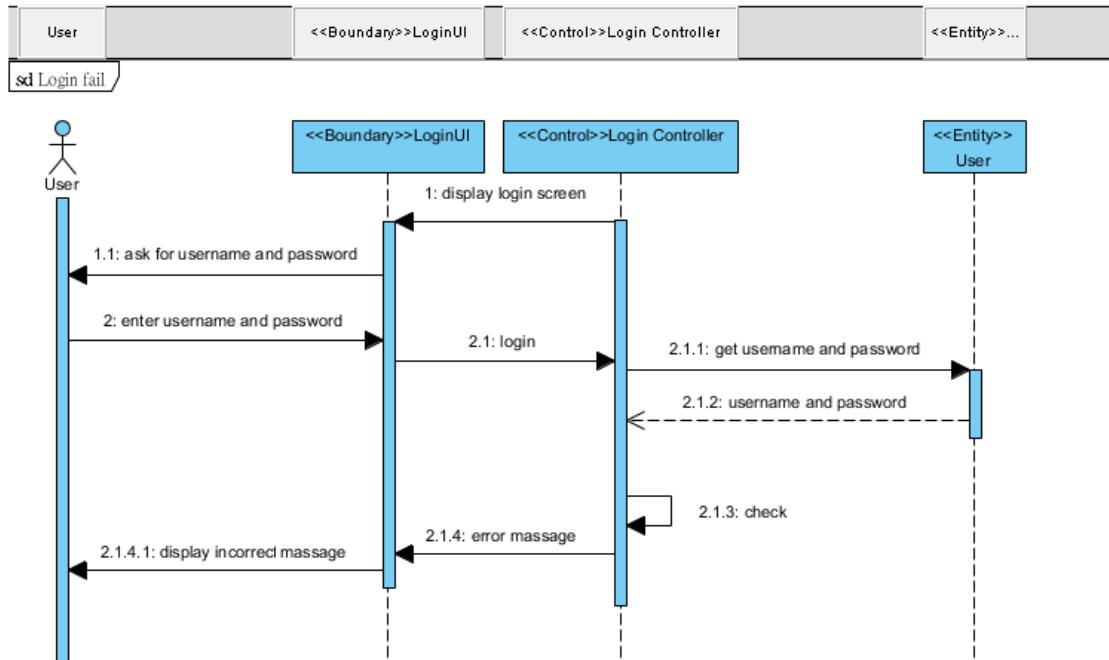


Sequence diagram

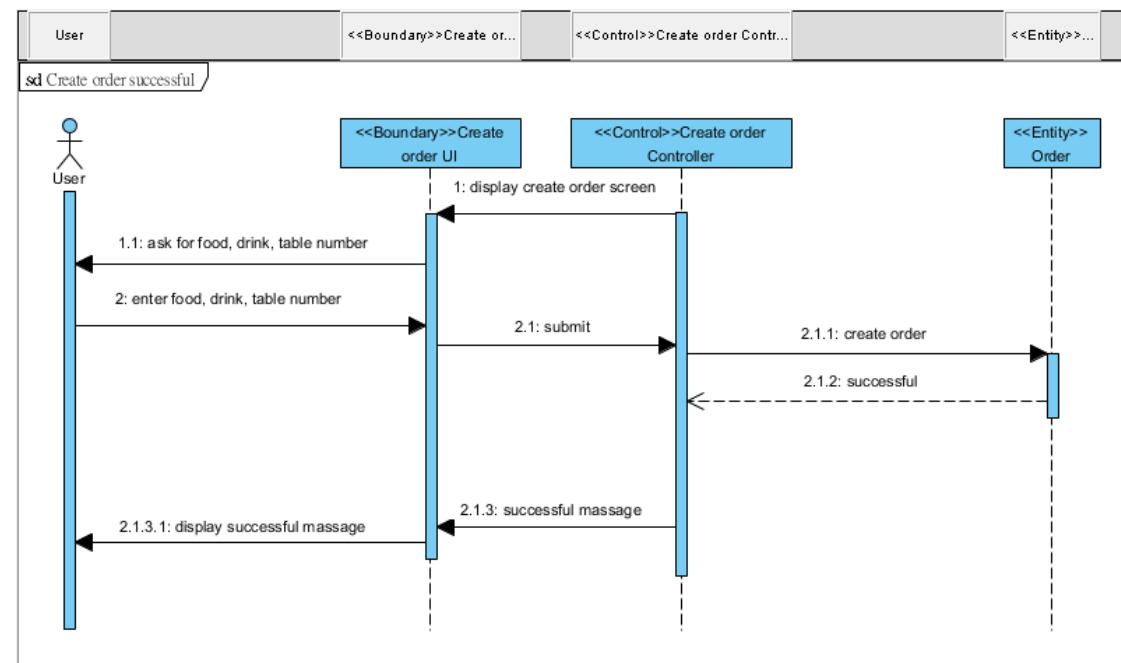
1. Login successful



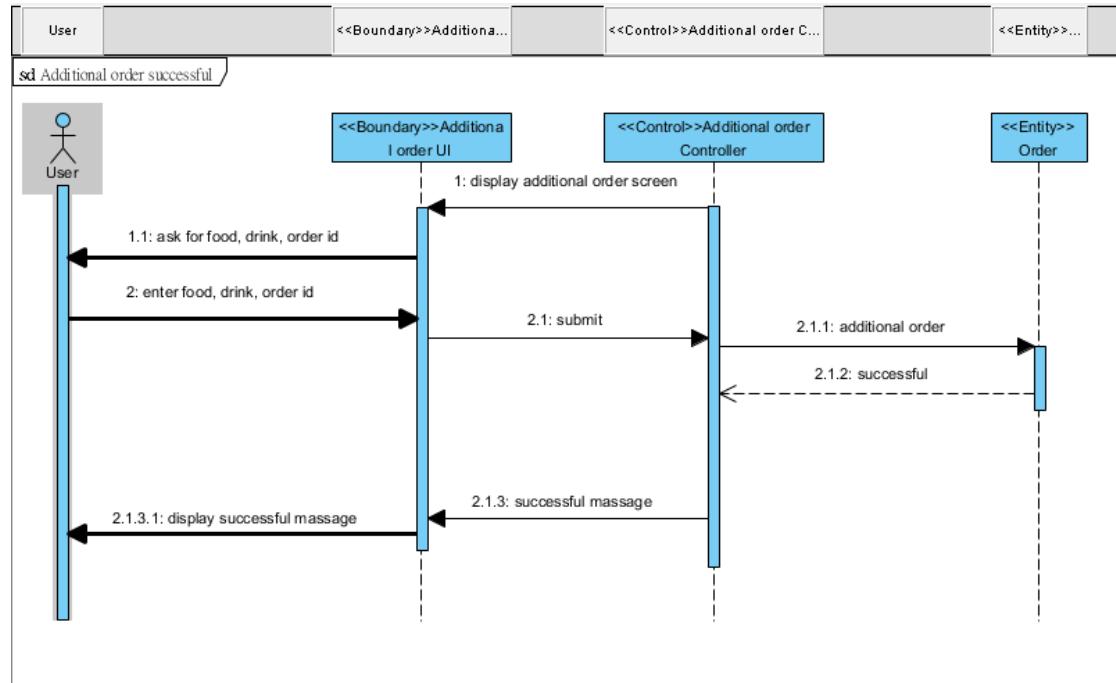
2. Login fail



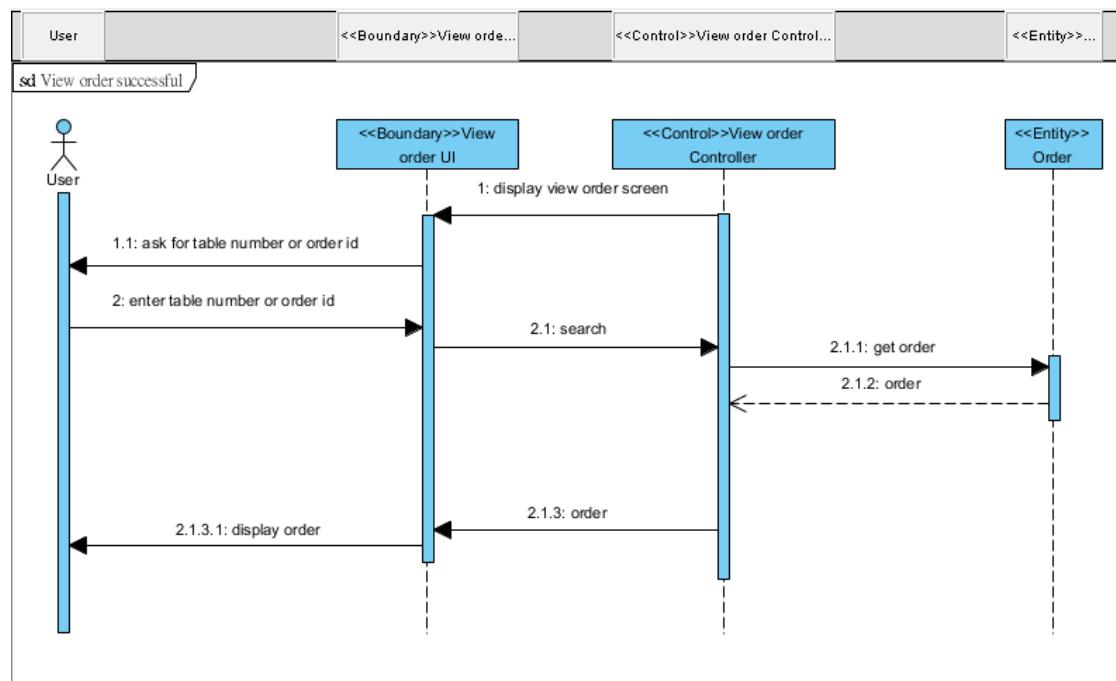
3. create order successful



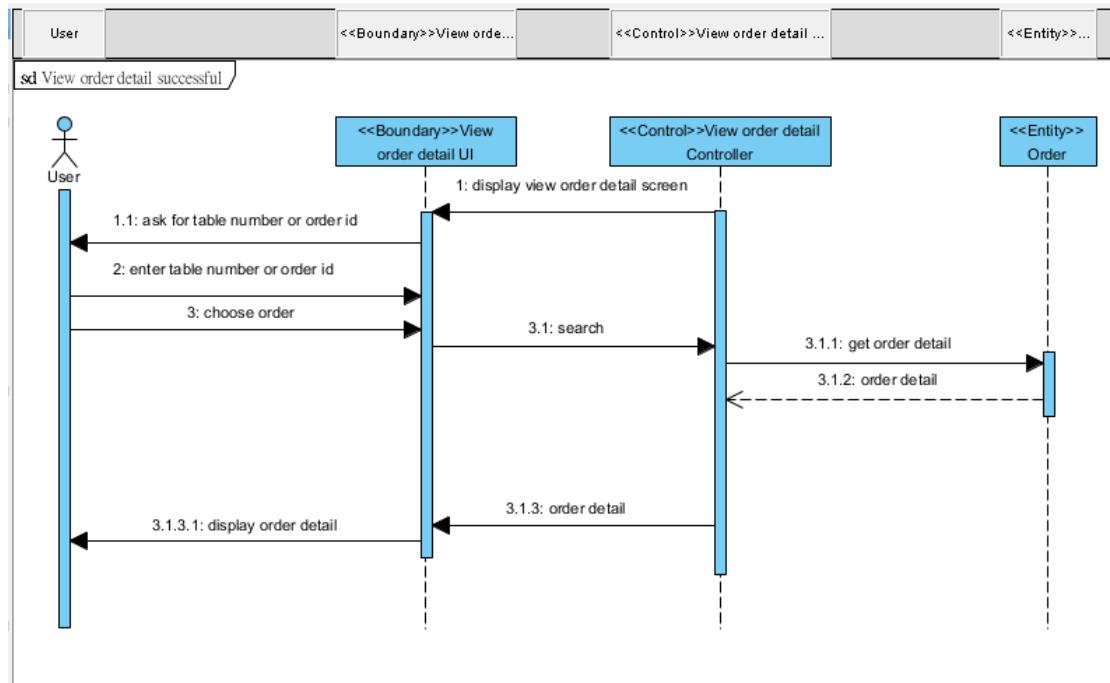
4. add order successful



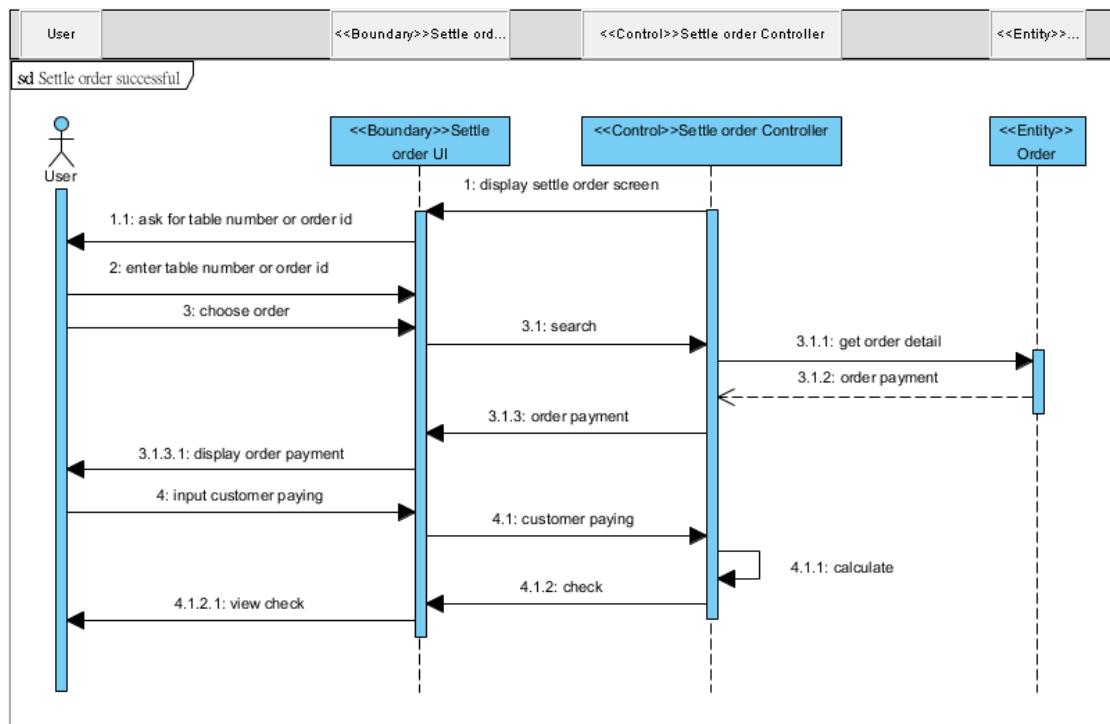
5. view order



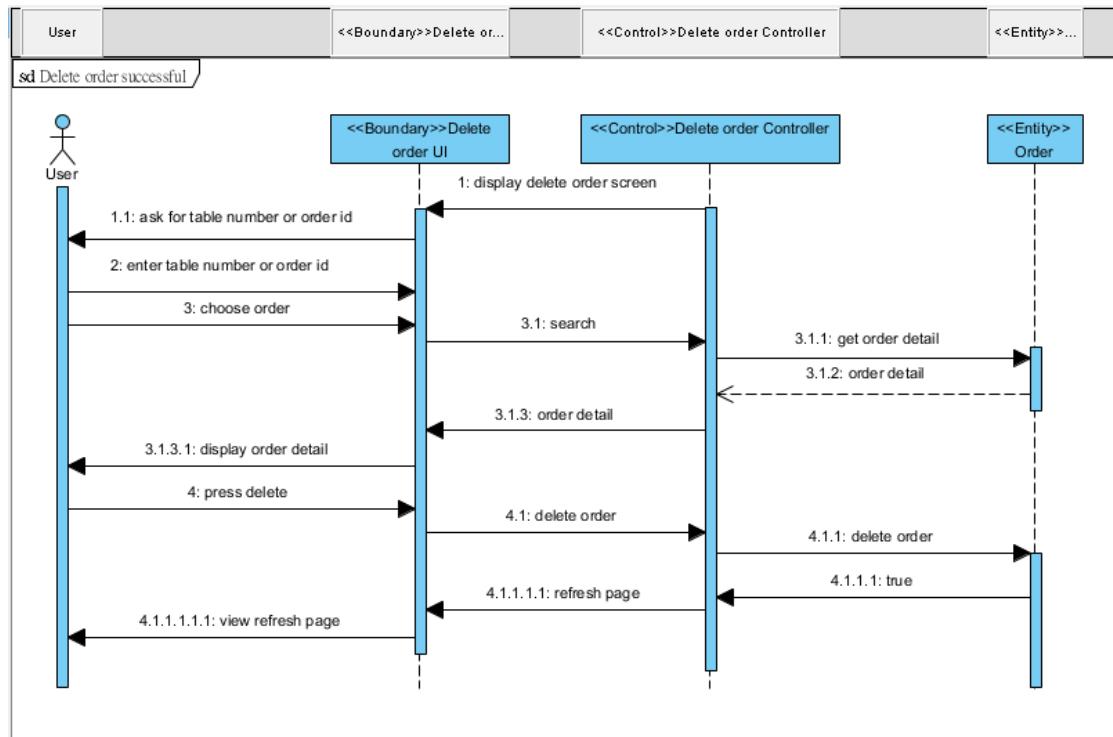
6. view order detail



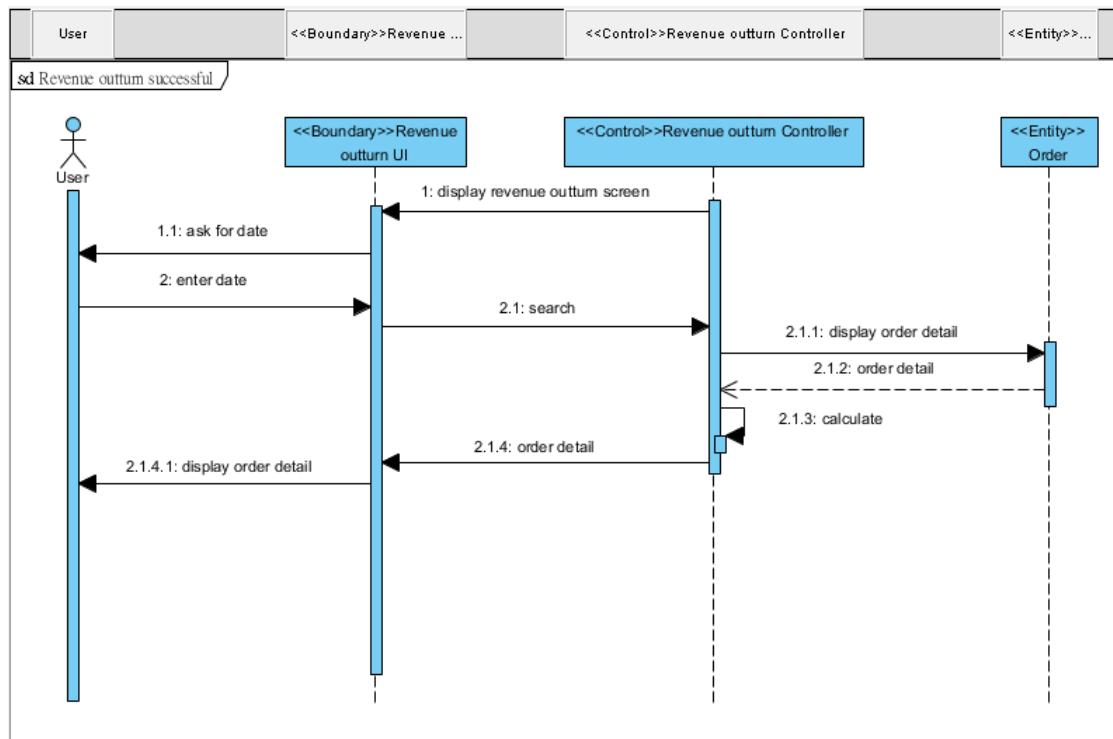
7. settle order successful



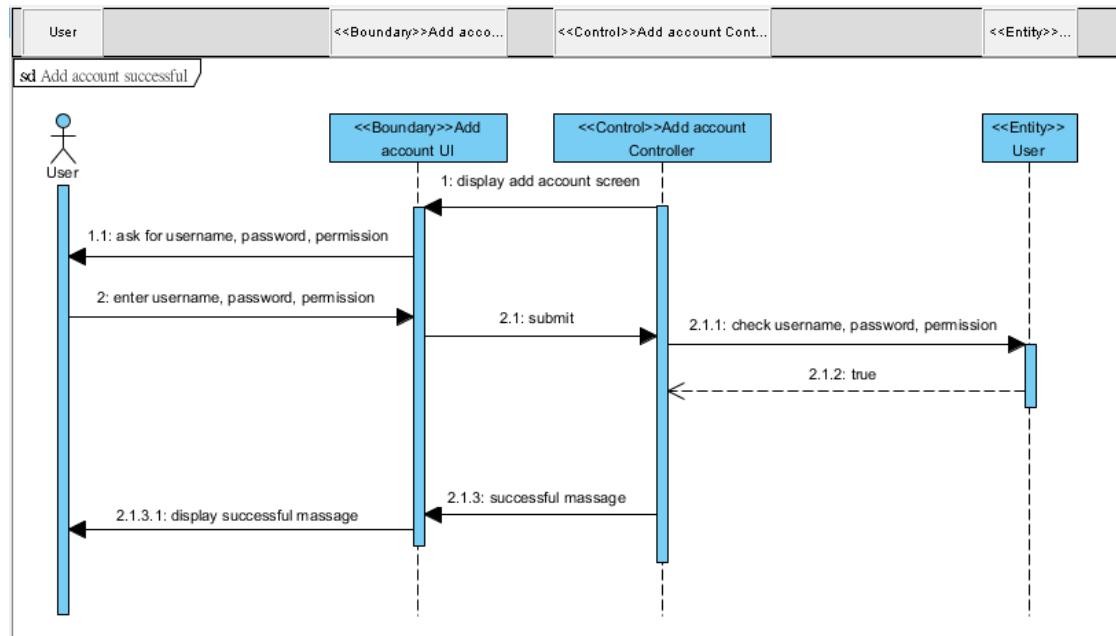
8. delete order



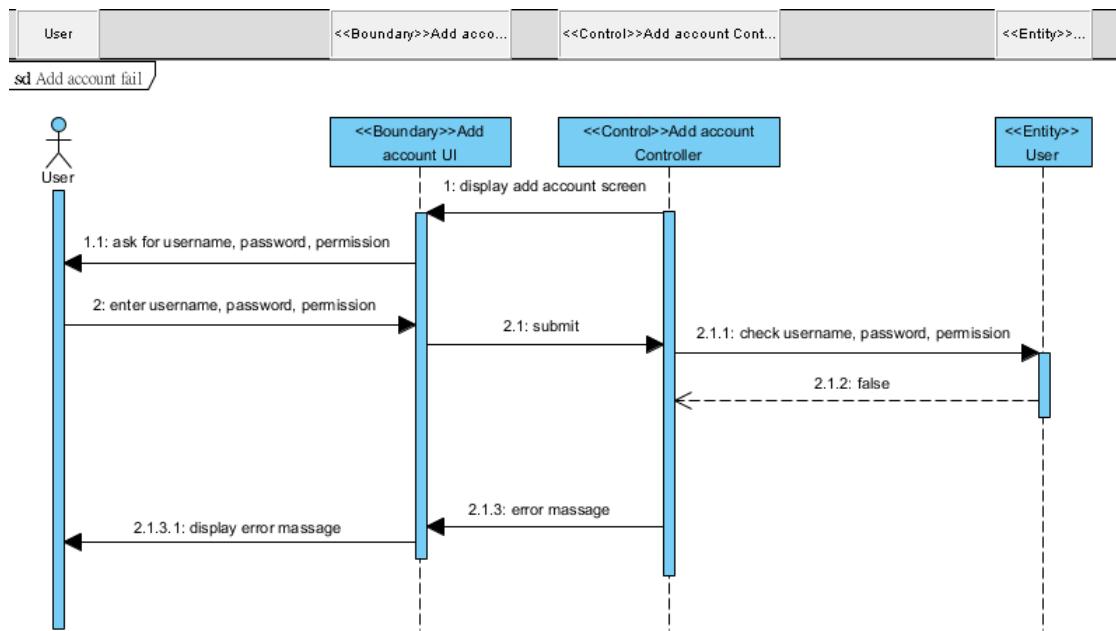
9. revenue outturn



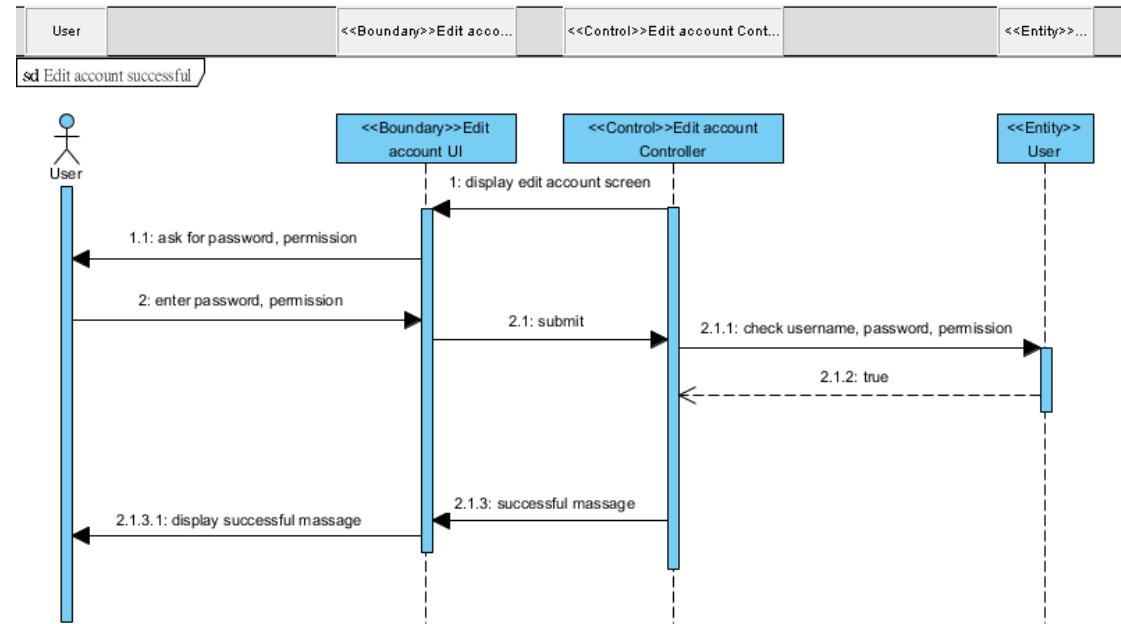
10.add account successful



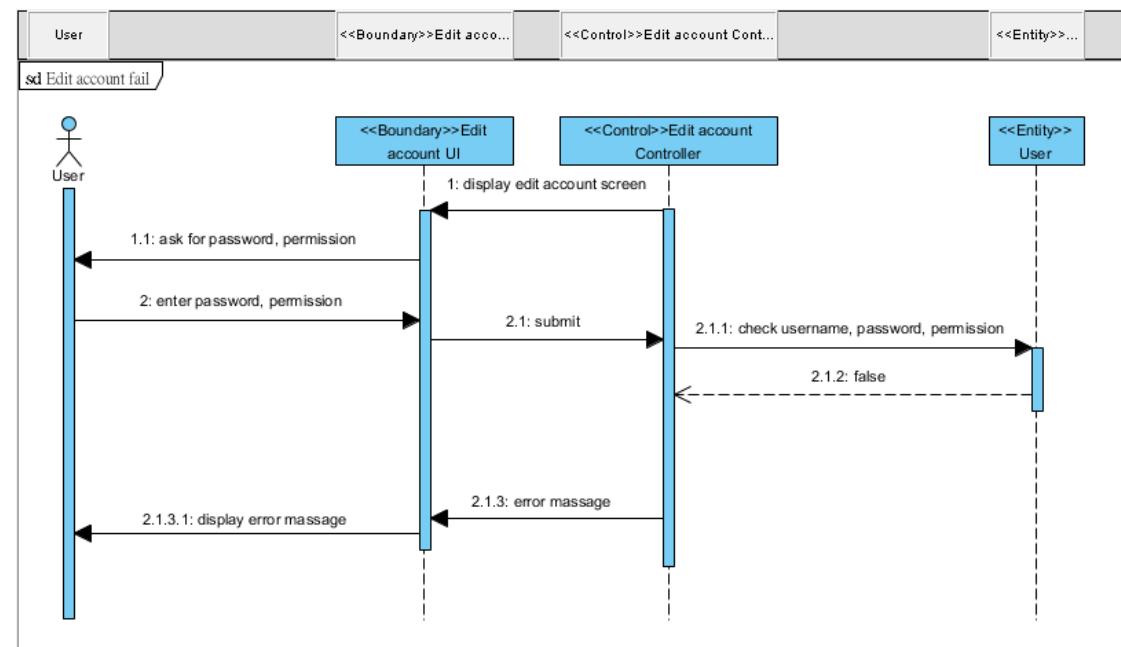
11. add account fail



12. edit account successful

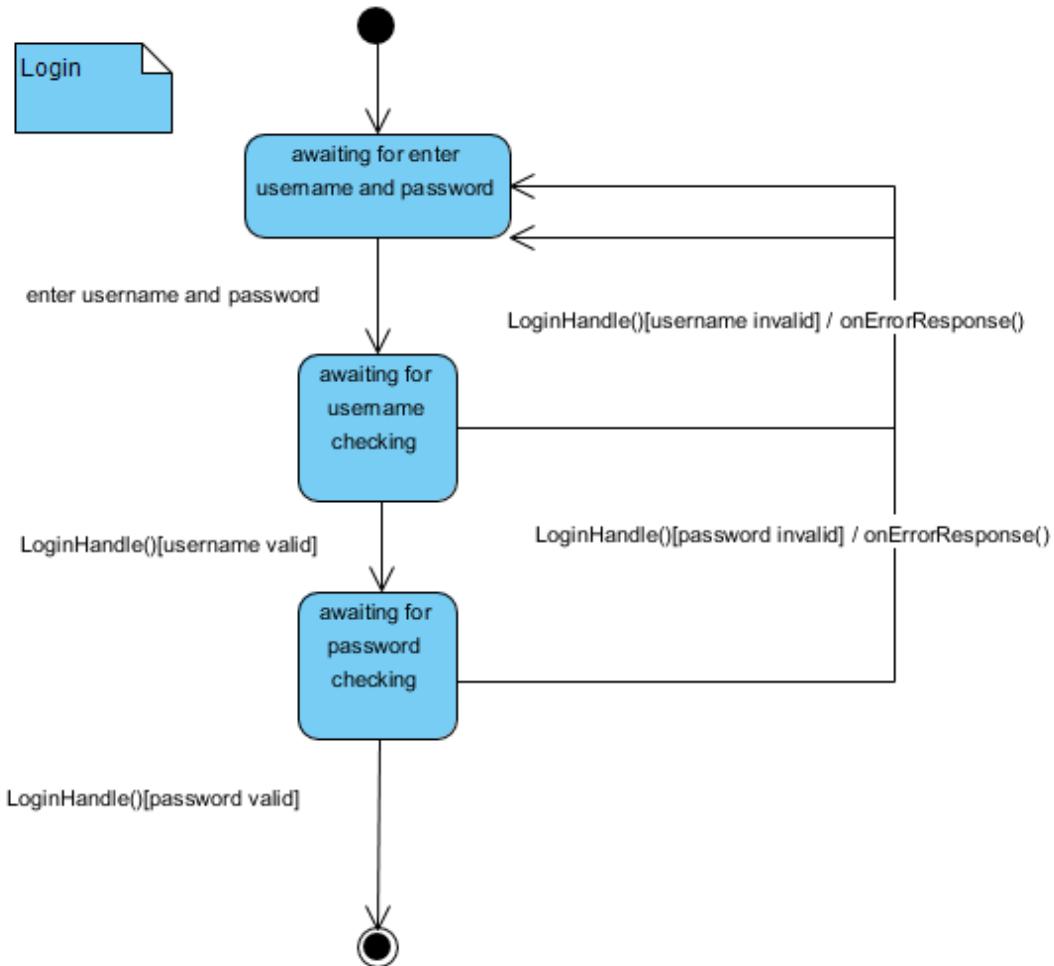


13. edit account fail

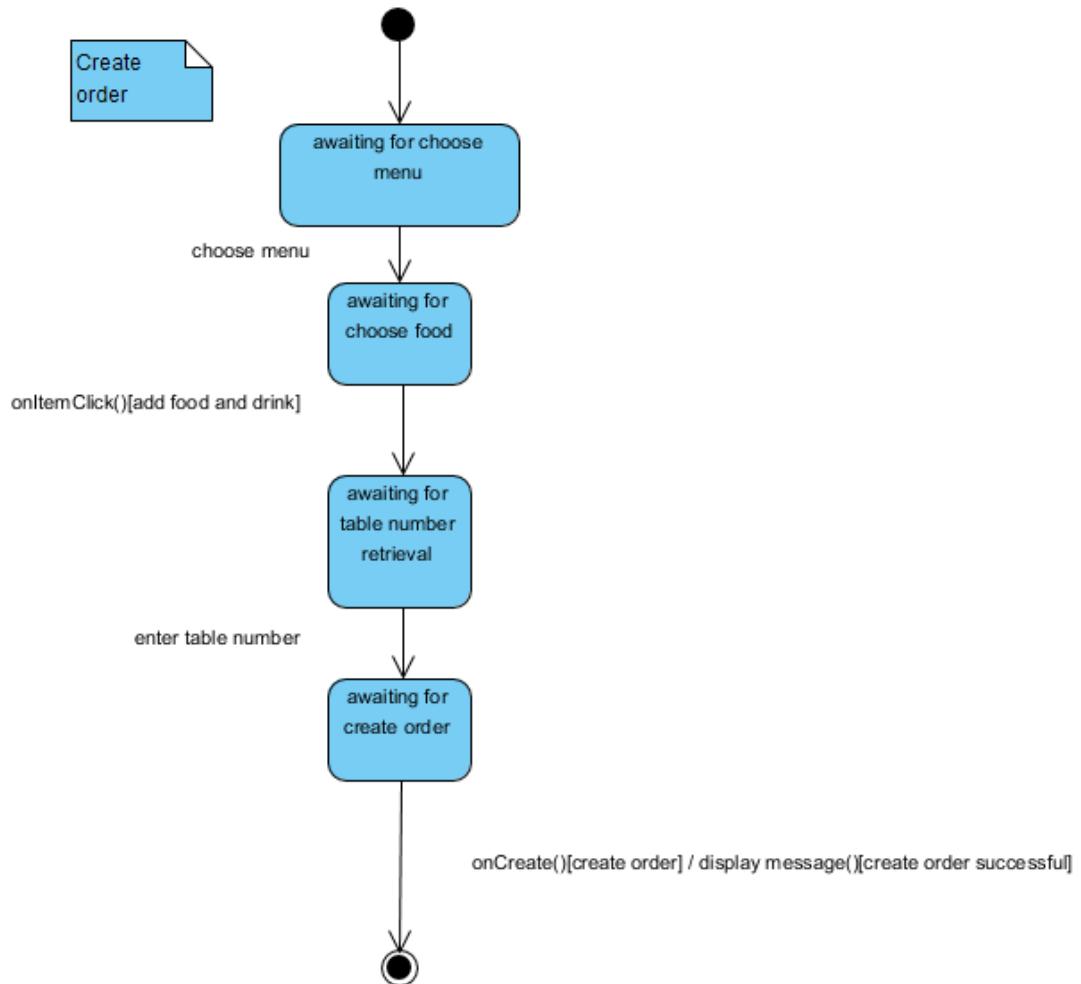


State diagram

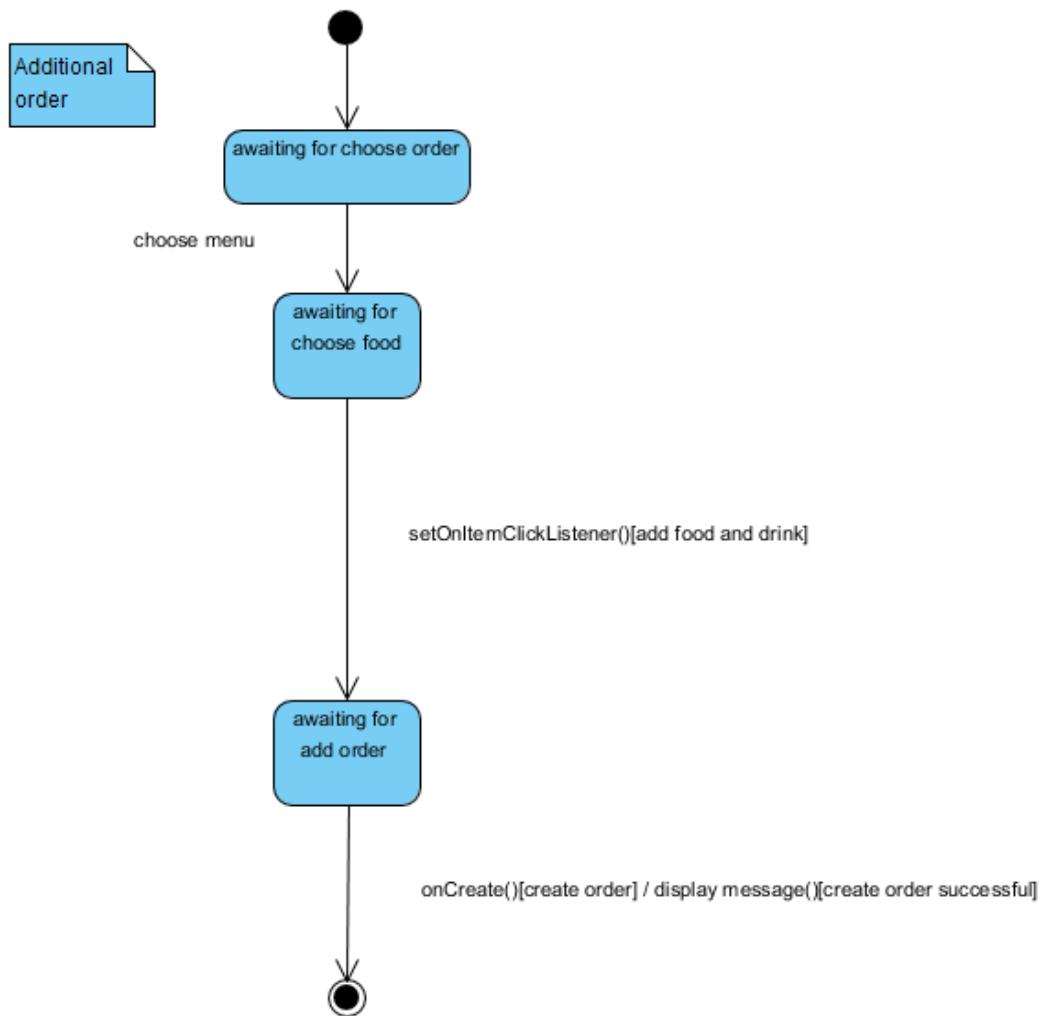
1. Login :



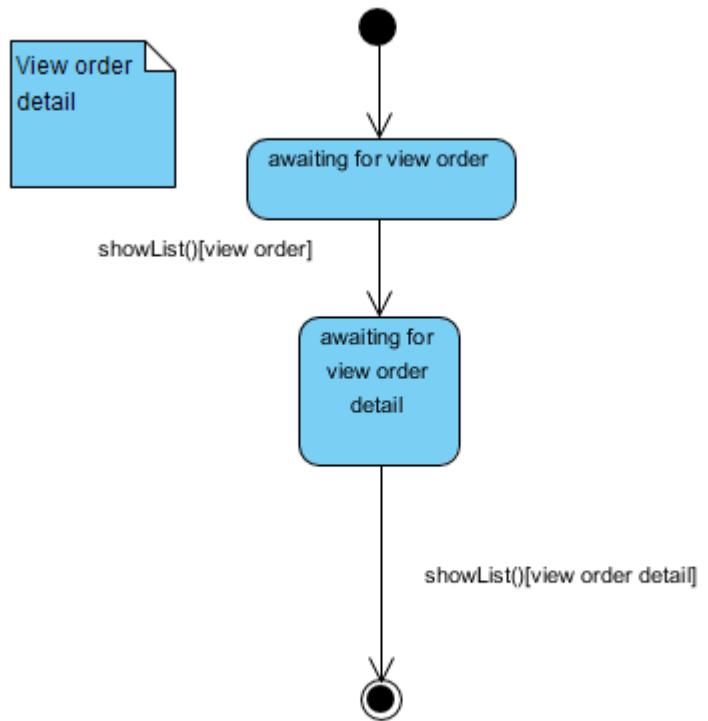
2. create order



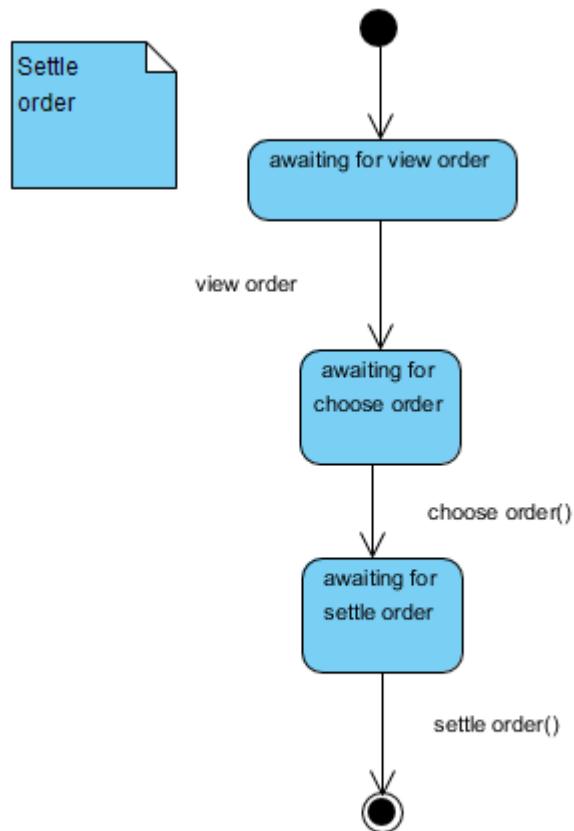
3.Additional order



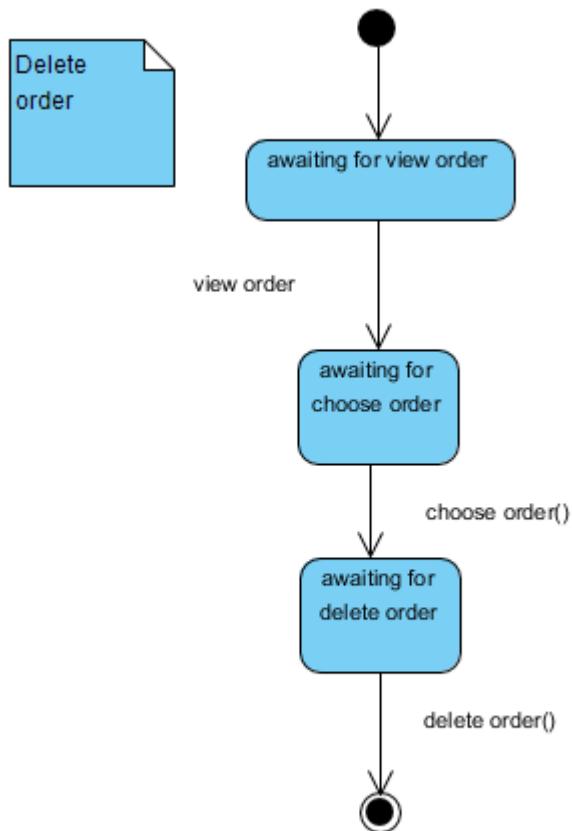
4. view order detail



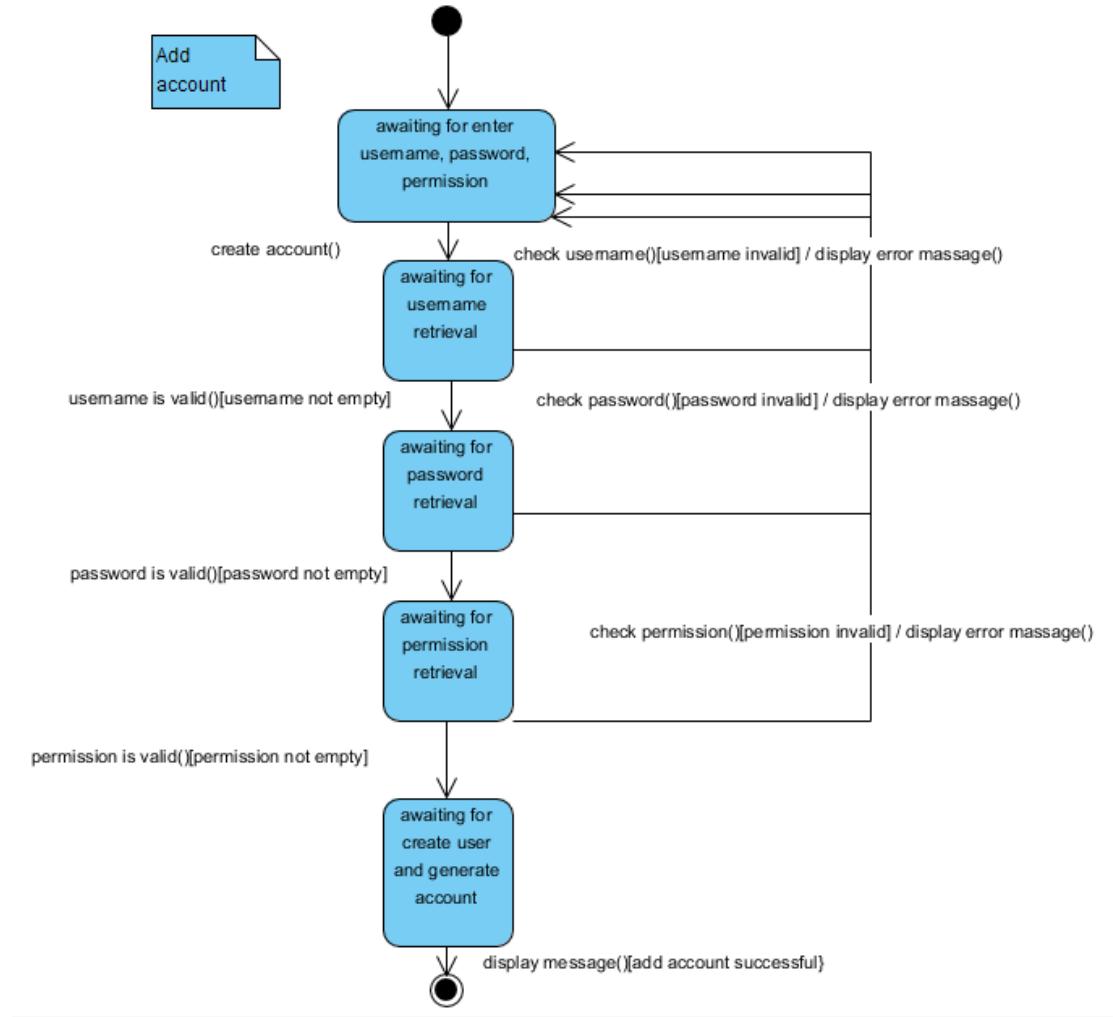
5.settle order



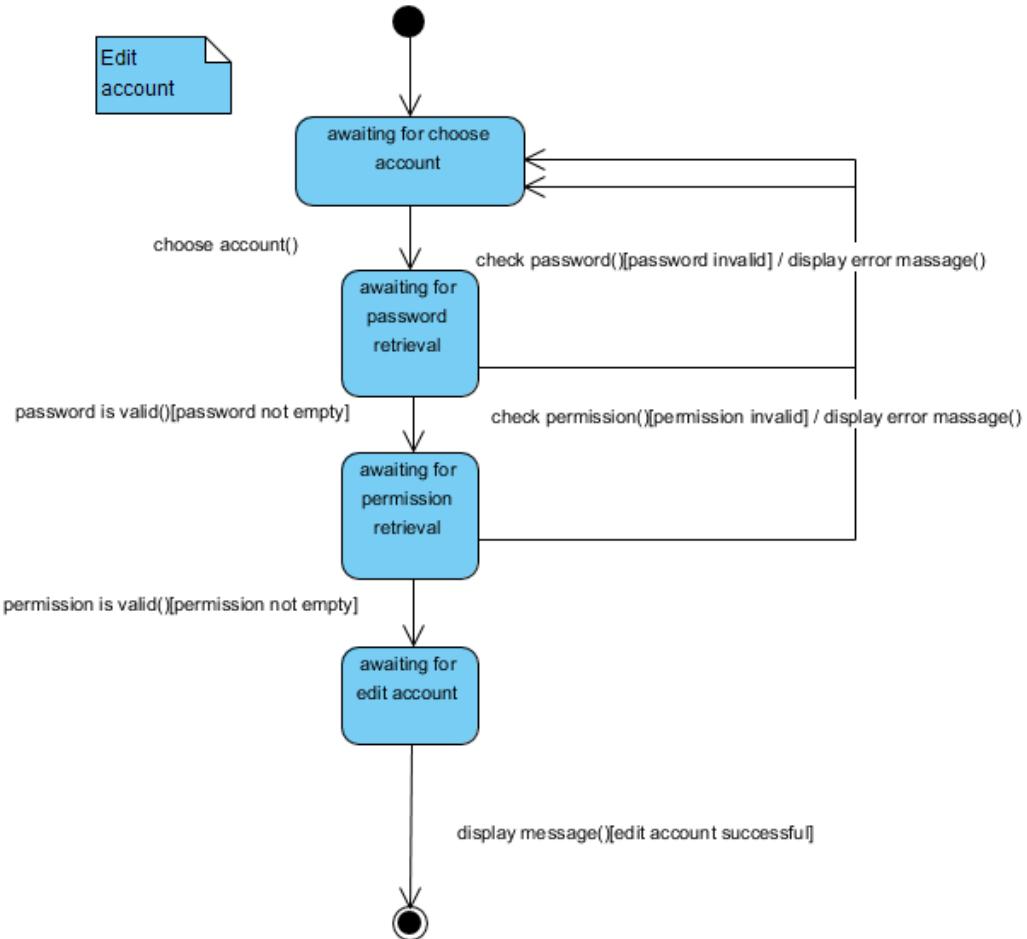
6. delete order



7. add account



8. edit account



Documentation for detailed design

Data design

List database tables

1. account

account Table			
Column Name	Data Type	Null	Description
id	VARCHAR(10)	not null	Primary key- System Login id
password	VARCHAR(8)	not null	Login password
permissions	VARCHAR(1)	not null	account permissions; 0 = admin 1 = staff/employee 2 = chef

Table description:This is the table to save the restaurant order system login account and permissions

menu

menu Table			
Column Name	Data Type	Null	Description
menuID	VARCHAR(2)	Not null	Primary key - the food menuID
menuName	VARCHAR(2)	Not null	food menu name
Show_it	VARCHAR(1)	Not null	control menu show or hide s : show menu n : no show menu

Table description : This table save the restaurant food menu information.

food

Food Table			
Column Name	Data Type	Null	Description
menuID	VARCHAR(2)	not null	Foreign key(menu) food menu ID
foodID	VARCHAR(5)	not null	Primary Key - food ID
food	VARCHAR(30)	not null	food name
price	int(4)	not null	food price

Table description : This table record restaurant provide food information.

orders

Food Table			
Column Name	Data Type	Null	Description
orderID	int(11)	not null	Primary Key - Auto Increment order id
tableNo	VARCHAR(2)	not null	restaurant table number
orderDate	DATE	not null	create order time
status	VARCHAR(1)	not null	order status 1:processing 2:complete(customer are payment and leave)

Table description : This table record order information.

orderfood

Food Table			
Column Name	Data Type	Null	Description
orderID	int(11)	not null	Primary Key- (orderID,FoodID)
foodID	VARCHAR(5)	not null	
quantity	int(2)	not null	order food quantity
price	int(4)	not null	food price

Table description : This table save customer order's food information.

Software/hardware Architectural Design

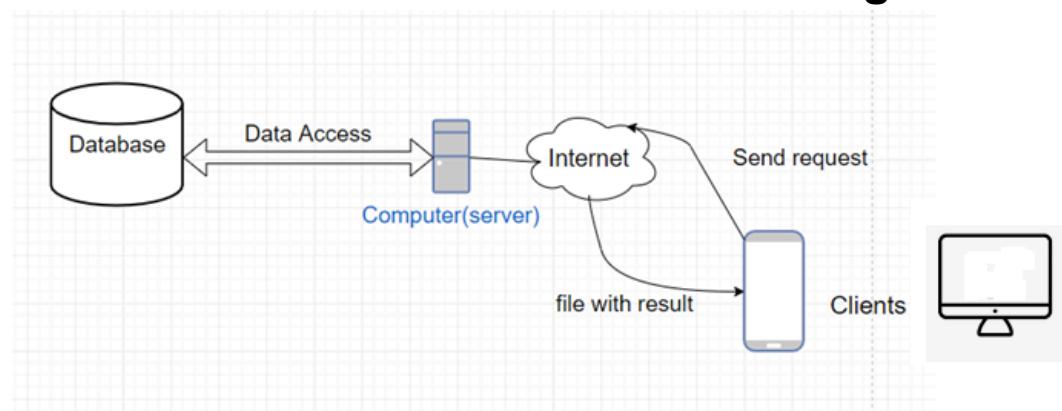


Figure1:System Architectural Diagram

System Architecture

Hardware, Software and Network Architecture

Hardware

The Operating Machine-Server

Item	Minimum	Recommended
CPU	2.0GHZ	2.4GHZ or higher
Memory	4GB	4GB or higher
Storage	500GB,5400RPM	2TB,7200RPM
video card	GT620/ Display resolution 720p (1280x720 px)	GT750 / WSVGA(1240x600) or higher
OS	Microsoft Windows 7	Microsoft Windows 10

Table 0: System Architecture – The Operating Machine (Server)
This is inexpensive and useful.

The Operating Machine (Computer(Server))

Item	Minimum	Recommended
CPU	2.4GHZ	3.8GHZ or higher
Memory	4GB	4GB or higher
Storage	500GB,5400RPM	2TB,7200RPM
video card	GT620	GT750
OS	Microsoft Windows 7	Microsoft Windows 10

Table 1: System Architecture – The Operating Machine (Computer)

Mobile phone

Item	Minimum	Recommended
CPU	2.2 GHz	Dual Core 2.5 GHz or higher
Memory	4GB	4GB or higher
Storage	16GB	64GB or higher
OS	Android 4.4.4	Android 4.4.4 or higher

Table 2: System Architecture – The Operating Machine (Phone)

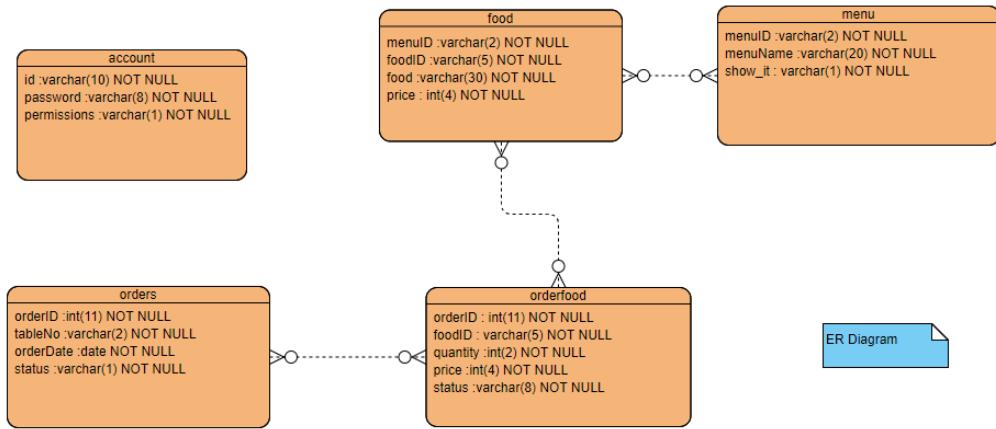
Software

Required Software

Software	Library / Package
Google Chrome / Firefox	
Android Studio	useLibrary 'org.apache.http.legacy'
XAMPP	
ngrok	
MYSQL	
Microsoft Word 2016	

Table 3: System Architecture – Required Software & Library

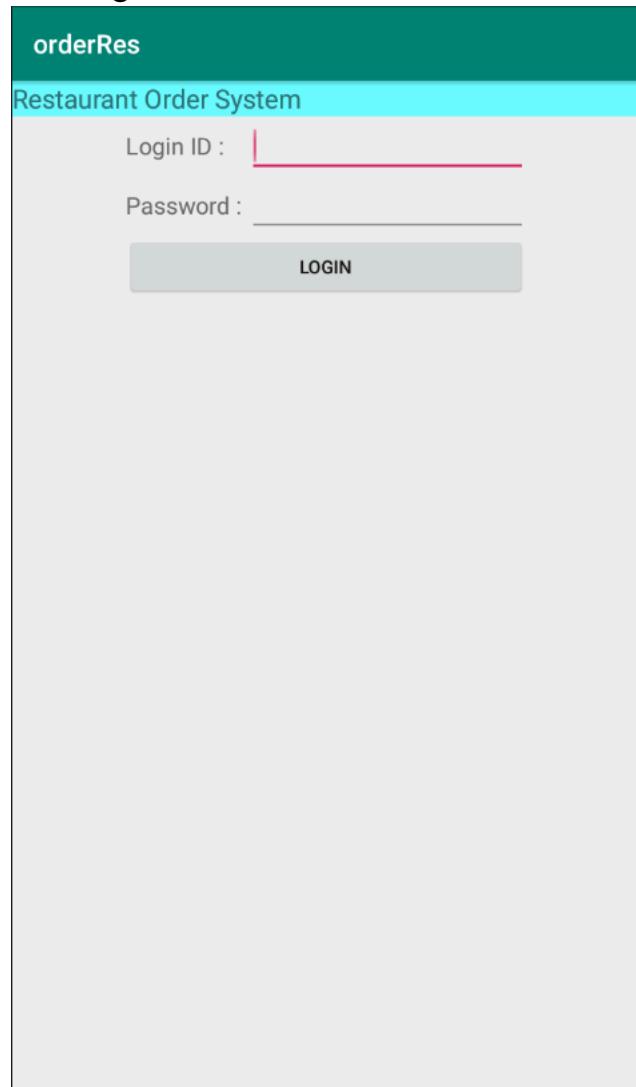
Entity Relationship Diagram



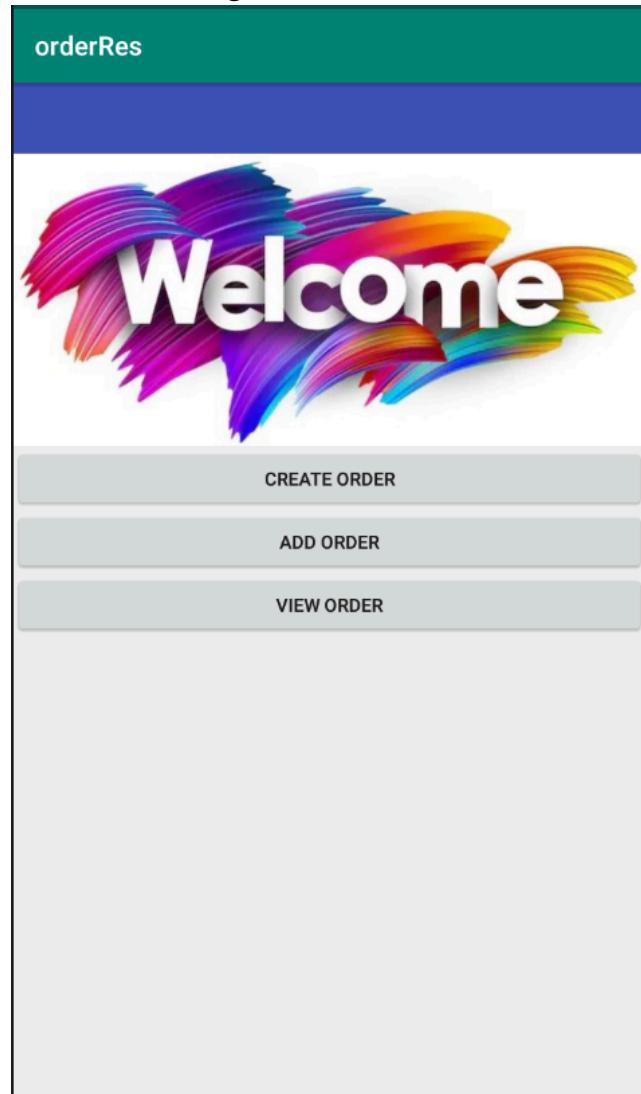
User Interface Design

1. Android

1.1 Login



1.2 Home Page



Staff can click button to go to create order/add order/view order page

1.3 Create order

orderRes		
FoodID	SEARCH	
10002		
Szechuan Style Fried Rice		
10003		
Beef Fried Rice		
10004		
Shrimp Fried Rice		
10005		
Sizzling Beef Rice		
10001		
rice		
20111		
Barbecue Pork Fired Rice		
20112		
Beef in Black Bean Sauce Rice		
20113		
Curry Pork Rice		
20122		
Fish Fillet Rice		
20131		
Checken chow Mein		
20132		
Beef Ho Fan		
3666		
bee		
asd	table number	SUBMIT

This page show all food, staff can use the foodID to search food.

When staff click the food , it will add to list.

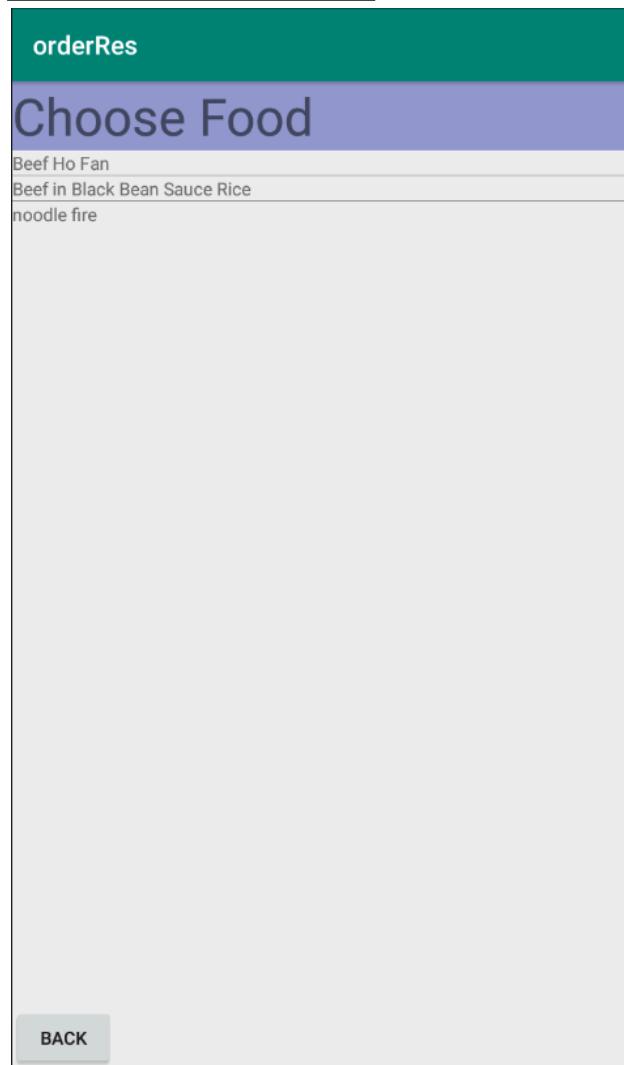
Then, input the table number and click the 'submit' button it will create order and back to Home page.

1.4 Add order

orderRes		
FoodID	SEARCH	
10002		
Szechuan Style Fried Rice		
10003		
Beef Fried Rice		
10004		
Shrimp Fried Rice		
10005		
Sizzling Beef Rice		
10001		
rice		
20111		
Barbecue Pork Fired Rice		
20112		
Beef in Black Bean Sauce Rice		
20113		
Curry Pork Rice		
20122		
Fish Fillet Rice		
20131		
Checken chow Mein		
20132		
Beef Ho Fan		
3666		
bee		
VIEWFOOD	OrderID	SUBMIT

This page add food to the specified order

1.5 Add order-View food



This page is view the staff choose food.
This can give staff to repeat the food to customer.

1.6 view order

The screenshot shows a mobile application interface. At the top, there is a dark teal header bar with the text "orderRes". Below this, a light green header bar displays the title "Choose OrderID". The main content area is white and lists several order entries, each consisting of two lines: an OrderID and its corresponding Table number. The entries are:

- OrderID : 28
Table number : 20
- OrderID : 29
Table number : 25
- OrderID : 30
Table number : 22
- OrderID : 33
Table number : 15

This page display all not settle orders. When click order id it can see the detail.

1.7view order-detail

The screenshot shows a mobile application interface for viewing order details. At the top, there is a green header bar with the text "orderRes". Below this is a purple header bar with the text "30 order detail". The main content area has a light gray background and displays two items of food with their names and statuses:

Food Name : Szechuan Style Fried Rice	Status : complete
Food Name : RedTea(Free)	Status : complete

At the bottom left of the content area, there is a small button labeled "BACK".

This page show the order detail.

2.php(html)

2.1 Login Page

Restaurant Order System



Login_ID

Password

Login

This Page is input the account id and password to login to use the restaurant system.

2.1.1 Login Message

Login successful

確定

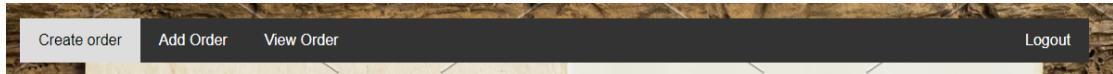
if login successful, it will show successful message.

Your Login id or Password is invalid

確定

if account wrong, it will show wrong message

1.2 Staff Control Bar



Staff only can use create order, add order and view order function.

2.3 Create Order Page

FoodID	Food	price	choose
10002	Szechuan Style Fried Rice	\$48	selected
10003	Beef Fried Rice	\$52	selected
10004	Shrimp Fried Rice	\$51	selected
10005	Sizzling Beef Rice	\$56	selected
10001	rice	\$4	selected
20111	Barbecue Pork Fried Rice	\$45	selected
20112	Beef in Black Bean Sauce Rice	\$45	selected
20113	Curry Pork Rice	\$45	selected
20122	Fish Fillet Rice	\$45	selected
20131	Checken chow Mein	\$45	selected
20132	Beef Ho Fan	\$45	selected
3666	bee	\$0	selected
7774	bee q	\$2	selected
30002	Singapore Rice Noodle	\$57	selected
30003	Beef Shanghai Noodle	\$62	selected
30004	Beef Ho Fan	\$54	selected
30005	Cantaneese Chow Mein	\$55	selected
30012	noodle fire	\$45	selected
40018	milkde	\$55	selected
50001	(RedTeaFree)	\$0	selected
50002	lemon tea	\$0	selected
8888	test food	\$40	selected
3434	lazer	\$4	selected
40012	cold	\$60	selected

This is the Create order page. staff can create order on this page

Choose :

All rice special noodle drink test cold

Search : Search for ID... Search for name...

Staff can click the menu name, it can fast to show the food on that menu. Then, Staff can search use the food id or food name to search food.

Check order input

FoodID	Food	Quantity	price	Delete
10003	Beef Fried Rice	1	\$52	Delete
10004	Shrimp Fried Rice	2	\$102	Delete

Table Number:

[Create Order](#)

When staff click 'select' to choose customer order's food., they selected food will display on here. Then, they need input the table number and click 'Create Order' button to create the order.

2.4 Add order page

FoodID	Food	price	choose
30001	San Shen Shanghai Noodle	\$42	<input type="button" value="choose"/>
10002	Szechuan Style Fried Rice	\$48	<input type="button" value="choose"/>
10003	Beef Fried Rice	\$52	<input type="button" value="choose"/>
10004	Shrimp Fried Rice	\$51	<input type="button" value="choose"/>
10005	Sizzling Beef Rice	\$56	<input type="button" value="choose"/>
10001	rice	\$4	<input type="button" value="choose"/>
20111	Barbecue Pork Fried Rice	\$45	<input type="button" value="choose"/>
20112	Beef in Black Bean Sauce Rice	\$45	<input type="button" value="choose"/>
20113	Curry Pork Rice	\$45	<input type="button" value="choose"/>
20122	Fish Fillet Rice	\$45	<input type="button" value="choose"/>
20131	Checken chow Mein	\$45	<input type="button" value="choose"/>
20132	Beef Ho Fan	\$45	<input type="button" value="choose"/>
3666	bee	\$0	<input type="button" value="choose"/>
7774	bee q	\$2	<input type="button" value="choose"/>
30002	Singapore Rice Noodle	\$57	<input type="button" value="choose"/>
30003	Beef Shanghai Noodle	\$62	<input type="button" value="choose"/>
30004	Beef Ho Fan	\$54	<input type="button" value="choose"/>
30005	Cantaneese Chow Mein	\$55	<input type="button" value="choose"/>
30012	noddle fire	\$45	<input type="button" value="choose"/>
50001	RedTea(Free)	\$0	<input type="button" value="choose"/>
40018	imikde	\$55	<input type="button" value="choose"/>
50002	lemon tea	\$0	<input type="button" value="choose"/>
8888	test food	\$40	<input type="button" value="choose"/>
3434	lazer	\$4	<input type="button" value="choose"/>
40012	cold	\$60	<input type="button" value="choose"/>

This page is add more food on order after create order.

Add order

All rice special noodle drink test cold

Search : Search for ID... Search for name...

Staff can click the menu name, it can show the food on that menu.
Then, Staff can search use the food id or food name to search food.

Check order input

FoodID	Food	Quantity	price	Delete
10003	Beef Fried Rice	1	\$52	Delete

order Number :

[Add Order](#)

There will show the selected food.

Staff need input the orderID and click 'Add Order' to add the food to orders.

2.5 View Order Page

The screenshot shows a web application interface for managing orders. At the top, there is a navigation bar with links: Create order, Add Order, View Order, Sum of Business, add menu, add food, show food, add account, and Logout. Below the navigation bar is a search bar with fields for 'Search for ID...' and 'Search for table number...'. A table titled 'View order' displays five rows of order details:

Order ID	Table Number	Order Date	Total Price	Status
27	3	2020-02-23	\$208	not Complete
28	20	2020-03-12	\$107	not Complete
29	25	2020-03-12	\$146	not Complete
30	22	2020-03-12	\$48	not Complete

A modal window titled 'Settle order' is open over the table, containing the following fields:

- Order ID: 27
- Status: COMPLETE
- Total Price: \$208
- Payment Money:

At the bottom of the modal are 'submit' and 'reset' buttons.

This page can view order detail and control orders.
Staff can use order id or table to search the order.

2.5.1 Settle order

The screenshot shows the 'Settle order' modal from the previous image, but with different values entered. The 'Payment Money' field now contains '250'. The 'submit' button is highlighted with a purple background.

There will show the orderID and total price. When staff input the payment amount and click 'submit'. It will show the order detail form and complete the orders.

2.5.1--**Settle Order form**

Order ID : 27

Quantity	Food	Price
1 x	Curry Pork Rice	\$45
1 x	Sizzling Beef Rice	\$56
1 x	Shrimp Fried Rice	\$51
1 x	Beef Fried Rice	\$52
1 x	rice	\$4

Payment: \$250

Total Amount: \$208

Change: \$42

[Back](#)

Picture : order form

This form will show detail of order when it complete.
Staff can click 'print' button to print this to give customer.

2.5.2 Order Dretail

The screenshot shows a web-based restaurant management system interface. At the top, there is a navigation bar with links: Create order, Add Order, View Order, Sum of Business, add menu, add food, show food, add account, and Logout. Below the navigation bar, there are two main sections:

- View order:** This section contains a search bar with fields for "Search : Search for ID..." and "Search for table number...". Below the search bar is a table with columns: Edit, Detail, Delete, Order ID, Table Number, Order Date, Total Price, and Status. The table data is as follows:

Edit	Detail	Delete	Order ID	Table Number	Order Date	Total Price	Status
settle	Detail	Delete	28	20	2020-03-12	\$107	not Complete
settle	Detail	Delete	29	25	2020-03-12	\$146	not Complete
settle	Detail	Delete	30	22	2020-03-12	\$48	not Complete

- Detail of Order ID : 28**: This section displays a table titled "Detail of Order ID : 28" with columns: OrderID, foodID, food, Quantity, and Price. The data is as follows:

OrderID	foodID	food	Quantity	Price
28	30003	Beef Shanghai Noodle	1	\$62
28	20131	Checken chow Mein	1	\$45

When staff click 'Detail', this will show the order detail food.

2.5.3 Delete order

The screenshot shows a web-based application for managing restaurant orders. At the top, there is a navigation bar with links: Create order, Add Order, View Order, Sum of Business, add menu, add food, show food, add account, and Logout. Below the navigation bar, the main content area has a title "View order". It includes two search fields: "Search : Search for ID..." and "Search for table number...". A table displays order details:

	Edit	Detail	Delete	Order ID	Table Number	Order Date	Total Price	Status
settle	Detail	Delete	28	20	2020-03-12	\$107	not Complete	
settle	Detail	Delete	29	25	2020-03-12	\$146	not Complete	
settle	Detail	Delete	30	22	2020-03-12	\$48	not Complete	

A modal dialog box is overlaid on the page, asking "Are you sure to delete this order?". It contains an input field for "Order ID" (set to 28), a radio button group for "Delete?" (with "Yes" selected), and two buttons: "Submit" and "Cancel".

When staff click 'Delete', this will show delete message.
When click 'submit', order will delete.

2.6 Chef bar



Restaurant chef only can use show food function

2.7 Show Food Page

A screenshot of the "Show Food Page" showing eight order cards arranged in two rows of four. Each card displays OrderID, Food, and Quantity, followed by a blue "Complete" button. The orders are: OrderID 8 (Beef Shanghai Noodle), OrderID 8 (Sizzling Beef Rice), OrderID 9 (Shrimp Fried Rice), OrderID 9 (Beef Ho Fan); OrderID 9 (Checken chow Mein), OrderID 10 (Fish Fillet Rice), OrderID 11 (Cantanese Chow Mein), and OrderID 12 (Fish Fillet Rice).

OrderID	8
Food	Beef Shanghai Noodle
Quantity	1
Complete	

OrderID	8
Food	Sizzling Beef Rice
Quantity	1
Complete	

OrderID	9
Food	Shrimp Fried Rice
Quantity	1
Complete	

OrderID	9
Food	Beef Ho Fan
Quantity	1
Complete	

OrderID	9
Food	Checken chow Mein
Quantity	1
Complete	

OrderID	10
Food	Fish Fillet Rice
Quantity	1
Complete	

OrderID	11
Food	Cantanese Chow Mein
Quantity	1
Complete	

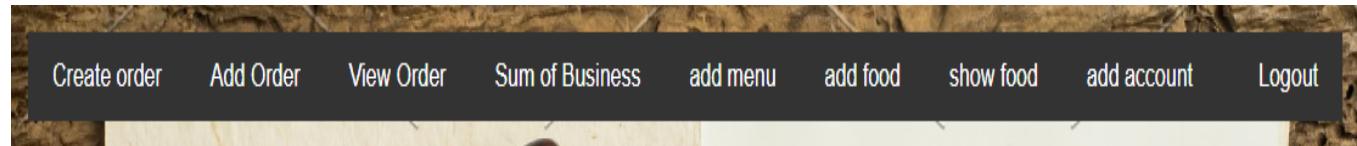
OrderID	12
Food	Fish Fillet Rice
Quantity	1
Complete	

There will show the all order's food when food is not complete.

Chef can click blue 'Complete' button to complete the food. It will show the submit message.

Also, this page will auto refresh(10s/1)

2.8 Admin control bar



admin can use all system function.

2.9 Sum of Business page

The screenshot shows a page titled 'Sum of business'. At the top, there is a navigation bar with links: 'Create order', 'Add Order', 'View Order', 'Sum of Business', 'add menu', 'add food', 'show food', 'add account', and 'Logout'. Below the navigation bar, the main content area has a title 'Sum of business'. Underneath the title are two input fields: 'Start Time:' followed by a text input box containing '年 /月/日' (Year /Month/Day), and 'End Time:' followed by another text input box containing '年 /月/日' (Year /Month/Day). There are also two buttons: 'reset' and 'submit'.

This page need selected time between time to calculate sum of business of restaurant.

2.10 Sum of business Form

The Sum of Business report of Restaurant
2020-01-01 between 2020-02-29

orderID	order_Date	Total_Price
8	2020-01-19	\$211
9	2020-01-20	\$150
10	2020-01-26	\$45
11	2020-01-26	\$55
<u>Sum of business</u>		<u>\$461</u>

[Back](#)

After select time, it will show The orderID, date and Total price of each order and calculate the Sum of business.

2.11 Edit Menu Page

Create order Add Order View Order Sum of Business add menu add food show food add account Logout

Menu Edit

MenuID	Menu Name	Show Menu	Edit
0	hidefood	No	Change
1	rice	Yes	Change
2	special	Yes	Change
3	noodle	Yes	Change
4	drink	Yes	Change
5	pocket	No	Change
8	test	Yes	Change
9	cold	Yes	Change

[Add Menu](#)

Show Menu

Menu ID

Menu Name

Show Yes No

[submit](#) [cancel](#)

This page can edit the menu show or hide.

2.12 Add Menu

Create order Add Order View Order Sum of Business add menu add food show food add account Logout

Menu Edit

MenuItem	Menu Name	Show Menu	Edit
0	hidefood	No	Change
1	rice	Yes	Change
2	special	Yes	Change
3	noodle	Yes	Change
4	drink	Yes	Change
5	pocket	No	Change
8	test	Yes	Change
9	cold	Yes	Change

[Add Menu](#)
x

Add menu

MenuItem:

Menu Name :

Show? : YES NO

This can input menu information to add the new menu.

2.13 Edit Food

Create order Add Order View Order Sum of Business add menu add food show food add account Logout

Edit Food

Search : Search for menu ID... Search for food ID... Search for food name...

All hidefood rice special noodle drink pocket test cold

MenuID	FoodID	Food Name	Price	Action
0	30001	San Shen Shanghai Noodle	42	<input type="button" value="Change"/>
1	10003	Szechuan Style Fried Rice	48	<input type="button" value="Change"/>
1	10003	Beef Fried Rice	52	<input type="button" value="Change"/>
1	10004	Shrimp Fried Rice	51	<input type="button" value="Change"/>
1	10005	Sizzling Beef Rice	56	<input type="button" value="Change"/>
2	10001	rice	4	<input type="button" value="Change"/>
2	20111	Barbecue Pork Fired Rice	45	<input type="button" value="Change"/>
2	20112	Beef in Black Bean Sauce Rice	45	<input type="button" value="Change"/>
2	20113	Curry Pork Rice	45	<input type="button" value="Change"/>
2	20122	Fish Fillet Rice	45	<input type="button" value="Change"/>
2	20131	Checken chow Mein	45	<input type="button" value="Change"/>
2	20132	Beef Ho Fan	45	<input type="button" value="Change"/>
2	3666	bee	0	<input type="button" value="Change"/>
2	7774	bee q	2	<input type="button" value="Change"/>
3	30002	Singapore Rice Noodle	57	<input type="button" value="Change"/>
3	30003	Beef Shanghai Noodle	62	<input type="button" value="Change"/>
3	30004	Beef Ho Fan	54	<input type="button" value="Change"/>
3	30005	Cantaneese Chow Mein	55	<input type="button" value="Change"/>
3	30012	noodle fire	45	<input type="button" value="Change"/>
4	40018	milkde	55	<input type="button" value="Change"/>
4	50001	RedTea(Free)	0	<input type="button" value="Change"/>
4	50002	lemon tea	0	<input type="button" value="Change"/>
4	8888	test food	40	<input type="button" value="Change"/>
9	3434	lazer	4	<input type="button" value="Change"/>
9	40012	cold	60	<input type="button" value="Change"/>

Edit Food detail

MenuID
MenuName
FoodID
Food Name
Price(\$)
Change menu

啟用 Windows
移至 [設定] 以啟用 Windows。

This page can change the food to other menu and modify food price.

2.14 Add Food Page

Create order Add Order View Order Sum of Business add menu add food show food add account Logout

Edit Food

Search : Search for menu ID... Search for food ID... Search for food name...

All hidefood rice special noodle drink pocket test cold

MenuID	FoodID	Food Name	Price
0	30001	San Shen Shanghai Noodle	42
1	10002	Szechuan Style Fried Rice	48
1	10003	Beef Fried Rice	52
1	10004	Shrimp Fried Rice	51
1	10005	Sizzling Beef Rice	56
2	10001	rice	4
2	20111	Barbecue Pork Fired Rice	45
2	20112	Beef in Black Bean Sauce Rice	45
2	20113	Curry Pork Rice	45
2	20122	Fish Fillet Rice	45
2	20131	Checken chow Mein	45
2	20132	Beef Ho Fan	45
2	3666	bee	0
2	7774	bee q	2
3	30002	Singapore Rice Noodle	57
3	30003	Beef Shanghai Noodle	62
3	30004	Beef Ho Fan	54
3	30005	Cantanesse Chow Mein	55
3	30012	noodle fire	45
4	40018	milkde	55
4	50001	RedTea(Free)	0
4	50002	lemon tea	0
4	8888	test food	40
9	3434	lazer	4
9	40012	cold	60

Add Food

Food ID:

Food Name:

Price :

choose Menu :

启用 Windows
移至 [設定] 以啟用 Windows .

Staff can input the food information and choose menu to add new food on the menu.

2.15 Edit account page

Create order Add Order View Order Sum of Business add menu add food show food add account Logout

Account List

[Create Account](#)

Permission 0 = admin, 1 = employee, 2 = chef

Search :

Search for account ID...
Search for permission...

Account	password	Permission	Delete	Edit
admin	admin	0	Delete	Choose
chef	chef	2	Delete	Choose
staff_test	12345678	1	Delete	Choose
test	test	2	Delete	Choose

Edit permission

Account	admin
password	admin
Permission	0

[reset](#) [submit](#)

Admin can use account id or permission level to search account. Then, it can edit account password and permission on here.

There will show all account.

2.16 Create account page

The screenshot shows a web-based application interface for managing accounts. At the top, there is a navigation bar with links: Create order, Add Order, View Order, Sum of Business, add menu, add food, show food, add account, and Logout. Below the navigation bar is a section titled "Account List" with a "Create Account" button. A message "Permission 0 = " is displayed. There are two search fields: "Search :" and "Search for account". Below these are two tables:

Account	pass
admin	admin
chef	chef
staff_test	1234
test	test

Account
Enter Username

Below the tables are three input fields: "Password" (with placeholder "Enter Password"), "permission" (with placeholder "set permission"), and a "submit" button. A note "permission : 0=admin, 1 = staff, 2=chef" is shown above the "submit" button. At the bottom left is a "Cancel" button, and at the bottom right is a watermark "啟用 Windows" and "啟用 Office" with a Microsoft logo.

Admin can create new account on here

2.17 Delete account

Account	password	Permission	Delete	Edit
admin	admin	0	<input type="button" value="Delete"/>	<input type="button" value="Choose"/>
chef	chef	2	<input type="button" value="Delete"/>	<input type="button" value="Choose"/>
staff_test	12345678	1	<input type="button" value="Delete"/>	<input type="button" value="Choose"/>
test	test	2	<input type="button" value="Delete"/>	<input type="button" value="Choose"/>

When administrator click 'Delete' button it will show submit message.
if yes, it will delete choose account.

Test plan

Android

1. Login

Test case:	Expected result:	result :
use admin account to login. id: admin password: admin	message : Login successful and go to home page	conform expected result
use staff account with wrong password to login. id:staff_test password: 852134	error message:ID or password error!	conform expected result
only input account to login. id: admin	error message:ID or password error	conform expected result
only input password to login password: admin	error message:ID or password error	conform expected result
not input id and password to login	error message:ID or password error!	conform expected result

2. Create order

Test case:	Expected result:	result :
use foodID to search food foodID:50002	output: 50002 lemon tea	conform expected result
After search food, delete the foodid and click search.	show can select food	conform expected result
select foodID:50002 and input table number to create order. select foodID:50002 table number:25	create order successful and go to home page	conform expected result
select food and create order ,no input table number foodID: 9004	error message: input table number please	conform expected result

3. Add order

Test case:	Expected result:	result :
use foodID to search food foodID:10001	output: 10001 rice	conform expected result
After search food, delete the foodid and click search.	show can select food	conform expected result
click the view food when staff not select food	view food listview was null	conform expected result
select food and add order ,no input orderID foodID: 9004	error message: input order ID please	conform expected result
select foodID:9004 and input order ID to add order. select foodID:9004 OrderID:30	Add food successful and go to home page	conform expected result

4. view order

Test case:	Expected result:	result(Yes/No) :
click order id to see the order's food OrderID:30	show 3 order food and it status	conform expected result

Test plan

HTML

1.create order

Test case:	Expected result:	result :
click the winter food menu	output winter menu food	conform expected result
click foodID:9004 'select' *2 foodID:9004	div 'check order input' will display FoodID:9004 Food:milk Quantity:2 price:\$24	conform expected result
use food id to search food foodID:9004	output food of foodID:9004	conform expected result
delete food on div ('check order input')	food will reduce 1	conform expected result
click create order button when not input table number	show error message to staff.Cannot create order	conform expected result
create order selete foodID:9004 table number: 1	Create order successful!	conform expected result

2. Add order

Test case:	Expected result:	result :
Click 'All' and use foodID to search food foodID:10001	output: 10001 rice	conform expected result
click the 'noodle' food menu	output noodle menu food (5 food)	conform expected result

select food and click add order ,no input orderID foodID: 9004	error message	conform expected result
select foodID:9004 and input order ID to add order. select foodID:50002 OrderID:40	Add order successful	conform expected result

3. view order

Test case:	Expected result:	result :
use order id to search order orderID:30	output: information of order id 30	conform expected result
use wrong order id to search order order:a123	no order output	conform expected result

4. settle order

Test case:	Expected result:	result(Yes/No) :
settle orderID 29 but not input payment money and Click 'submit'	error message	conform expected result
settle orderID 29 , input payment money 200 and Click 'submit'	output the order detail, order form and the order are complete	conform expected result

5.Delete order

Test case:	Expected result:	result :
delete orderID 42 radio choose Yes	order 42 are delete	conform expected result

6. Sum of Business

Test case:	Expected result:	result :
no choose start time and end time to click submit	display the null sum of business form	conform expected result
choose start time and end time to click submit start time: 2020/01/01 End time: 2020/05/01	display 2020/01/01 to 2020/05/01 order's, order date, price and sum of business	conform expected result

7.Show/Hide menu

Test case:	Expected result:	result :
choose menuID:9 to set it to hide	menuID:9 will hide. create order and add order cannot see the menu.	conform expected result
choose menuID:5 to set it to show	menuID:5 will show. create order and add order can see the menu.	conform expected result

8.Add menu

Test case:	Expected result:	result :
Add new menu but no input menu id MenuName:testing123	show error message, and cannot create new menu	conform expected result
Add new menu but no input menu Name Menuid:40	show error message, and cannot create new menu	conform expected result
Add new menu input all information MenuName:testing123 Menuid:40	Add menu successful	conform expected result

9.Edit food

Test case:	Expected result:	result :
use menu id to search food menuid:2	show 9 rows food information	conform expected result
use wrong menu id to search food menuid:20	0 rows food (no result)	conform expected result
use food id to search food foodID:9004	output food information(1rows) of foodID:9004	conform expected result
use wrong food id to search food foodID:ab123	0 rows food (no result)	conform expected result
use food name to search food food name:milk	show food name have 'milk' food result (2 rows)	conform expected result
use food name to search food food name: addw	0 rows food (no result)	conform expected result

change the food price but menu not select foodID:9004 price:20	foodID:9004 price change to 20 but menu are 10	conform expected result
change the food menu but not change price foodID:1002 price:48 menuID change to 0	foodID:1002 foods change to menu 0	conform expected result

10. add food

Test case:	Expected result:	result :
add new food but not input food id foodID:(null) food name:hot pot price: 99 menu: winter	error message. food cannot add	conform expected result
add new food but not input food name foodID:5384 food name:(null) price: 99 menu: winter	error message. food cannot add	conform expected result
add new food but not input price foodID:5384 food name:hot pot price: (null) menu: winter	error message. food cannot add	conform expected result
add new food but not input price foodID:5384 food name:hot pot price: 99 menu: winter	Add food successful	conform expected result

11 create account

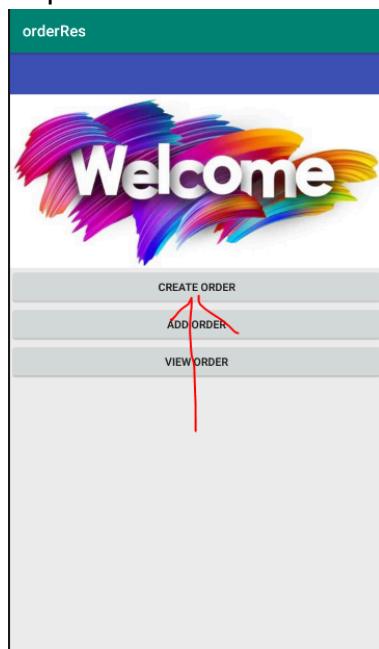
Test case:	Expected result:	result :
create account input all information account:user002 password:13579846 permission:1	create account successful	conform expected result
create account but not input username account:(null) password:9846258 permission:1	error message. cannot create account	conform expected result
create account but not input password account:user003 password:(null) permission:1	error message. cannot create account	conform expected result
create account but not input permission account:user003 password:1554978 permission:(null)	error message. cannot create account	conform expected result

User guide

Android

Create order:

step 1: click create order button



step 2: click food to select food

FoodID	SEARCH
10002	Szechuan Style Fried Rice
10003	Beef Fried Rice
10004	Shrimp Fried Rice
10005	Sizzling Beef Rice
10001	rice
20111	Barbecue Pork Fired Rice
20112	Beef in Black Bean Sauce Rice
20113	Curry Pork Rice
20122	Fish Fillet Rice
20131	Checken chow Mein
20132	Beef Ho Fan
3666	bee

step 3: input table number

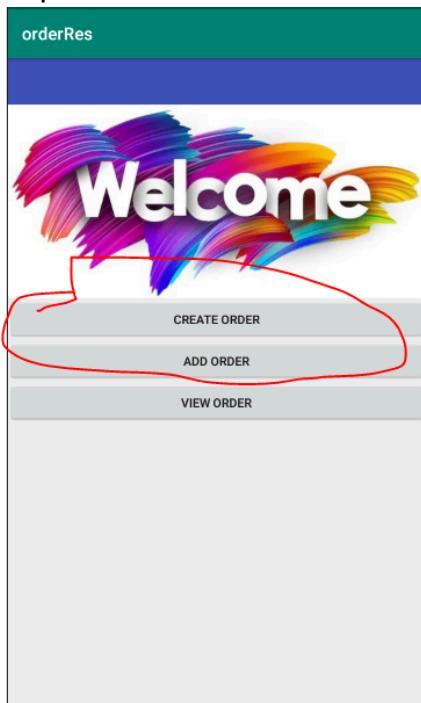
orderRes	
FoodID	SEARCH
10002	Szechuan Style Fried Rice
10003	Beef Fried Rice
10004	Shrimp Fried Rice
10005	Sizzling Beef Rice
10001	rice
20111	Barbecue Pork Fired Rice
20112	Beef in Black Bean Sauce Rice
20113	Curry Pork Rice
20122	Fish Fillet Rice
20131	Checken chow Mein
20132	Beef Ho Fan
3666	bee
10004 is added	<input type="text" value="14"/> <input type="button" value="SUBMIT"/>

step 4 : click submit

orderRes	
FoodID	SEARCH
10002	Szechuan Style Fried Rice
10003	Beef Fried Rice
10004	Shrimp Fried Rice
10005	Sizzling Beef Rice
10001	rice
20111	Barbecue Pork Fired Rice
20112	Beef in Black Bean Sauce Rice
20113	Curry Pork Rice
20122	Fish Fillet Rice
20131	Checken chow Mein
20132	Beef Ho Fan
3666	bee
10004 is added	<input type="text" value="14"/> <input type="button" value="SUBMIT"/>

search food:

step 1: click create order/add order



step 2 : input food id

The screenshot shows a search interface with a green header bar labeled 'orderRes'. Below the header is a search bar containing the number '10004', which is circled in red. To the right of the search bar is a 'SEARCH' button. Below the search bar is a list of food items, each with its ID and name. The list includes:
10002 Szechuan Style Fried Rice
10003 Beef Fried Rice
10004 Shrimp Fried Rice
10005 Sizzling Beef Rice
10001 rice
20111 Barbecue Pork Fired Rice
20112 Beef in Black Bean Sauce Rice
20113 Curry Pork Rice
20122 Fish Fillet Rice
20131 Checken chow Mein
20132 Beef Ho Fan
3666 bee

step 3 : click search button

orderRes

10004

SEARCH

10004
Shrimp Fried Rice

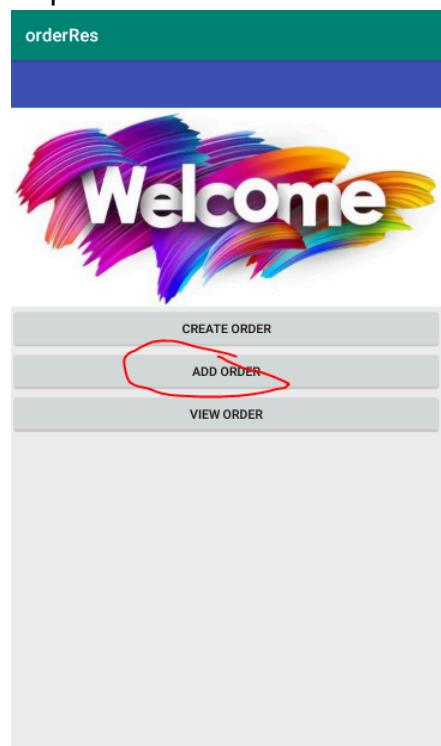
asd

table number

SUBMIT

Add order :

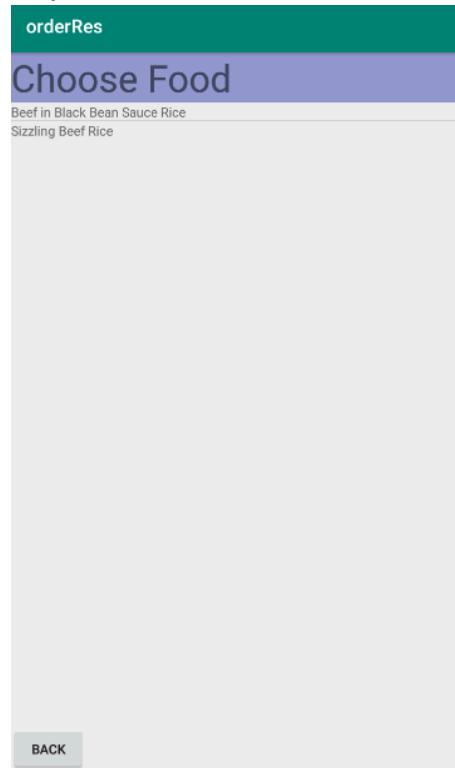
step 1 : click add order button



step 2 : select food on list

The screenshot shows a web page with a teal header bar containing the text "orderRes". Below the header is a search bar with "FoodID" and a "SEARCH" button. A list of food items is displayed, each with a FoodID and a name. The list includes: 10002 Szechuan Style Fried Rice, 10003 Beef Fried Rice, 10004 Shrimp Fried Rice, 10005 Sizzling Beef Rice, 10001 rice, 20111 Barbecue Pork Fired Rice, 20112 Beef in Black Bean Sauce Rice, 20113 Curry Pork Rice, 20122 Fish Fillet Rice, 20131 Checken chow Mein, 20132 Beef Ho Fan, and 3666 bee. At the bottom right of the list, there is a message: "10005 ,Sizzling Beef Rice is added". At the very bottom of the page are three buttons: "VIEWFOOD", "OrderID", and "SUBMIT".

step 3 : click view order to see the select food



step 4 : input the order id

FoodID	SEARCH
10002	Szechuan Style Fried Rice
10003	Beef Fried Rice
10004	Shrimp Fried Rice
10005	Sizzling Beef Rice
10001	rice
20111	Barbecue Pork Fired Rice
20112	Beef in Black Bean Sauce Rice
20113	Curry Pork Rice
20122	Fish Fillet Rice
20131	Checken chow Mein
20132	Beef Ho Fan
3666	bee

step 5 : click submit

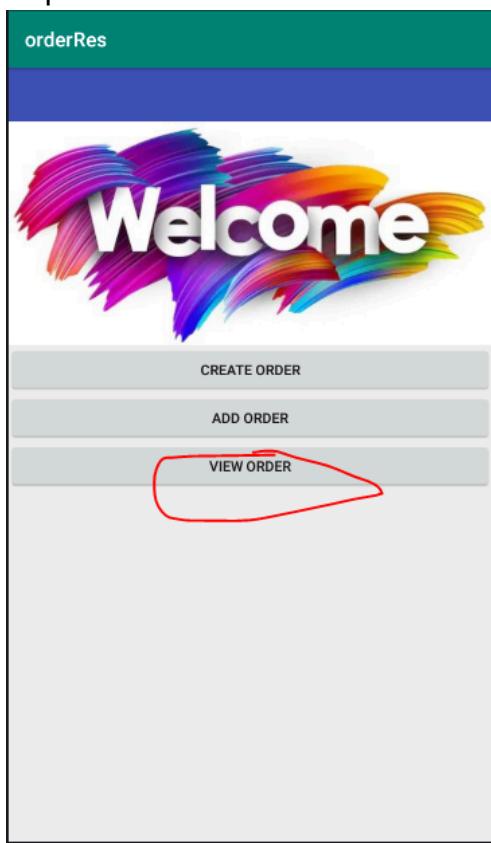
orderRes

FoodID	SEARCH
10002	
Szechuan Style Fried Rice	
10003	
Beef Fried Rice	
10004	
Shrimp Fried Rice	
10005	
Sizzling Beef Rice	
10001	
rice	
20111	
Barbecue Pork Fired Rice	
20112	
Beef in Black Bean Sauce Rice	
20113	
Curry Pork Rice	
20122	
Fish Fillet Rice	
20131	
Checken chow Mein	
20132	
Beef Ho Fan	
3666	
bee	

VIEWFOOD 22 | SUBMIT

View order :

step 1 : click view order button



step 2 : click order id

orderRes	
Choose OrderID	
OrderID : 28	←
Table number : 20	←
OrderID : 29	←
Table number : 25	←
OrderID : 30	←
Table number : 22	←
OrderID : 33	←
Table number : 15	←

step 3 : see the order detail

orderRes	
28 order detail	
Food Name : Beef Shanghai Noodle	
Status : complete	
Food Name : Checken chow Mein	
Status : complete	
28 is selected	
BACK	

2.html

Create order:

step 1 : go to create order page

The screenshot shows a web application interface for managing food orders. At the top, there is a navigation bar with links: Create order, Add Order, View Order, Sum of Business, add menu, add food, show food, add account, and Logout. Below the navigation bar, the main content area has a title "Create order". Underneath the title, there is a section labeled "Choose :" with a row of buttons: All, rice, special, noodle, drink, test, cold. A search bar follows with fields for "Search for ID..." and "Search for name...". A table lists various food items with columns: FoodID, Food, price, and choose. The table contains numerous rows of food items, each with a "select" button in the last column. To the right of the main content, a blue modal window titled "Check order input" is displayed. It contains a message "Not food now" and a table with columns: FoodID, Food, Quantity, price, and Delete. Below this table is a "Table Number:" input field and a "Create Order" button.

step 2 : use food id or food name search food

This screenshot shows the same "Create order" page as the previous one, but with a search applied. The search bar now contains the value "10001". The table below the search bar only displays the single row where FoodID is 10001, which corresponds to the item "rice" at a price of \$4, with a "select" button in the "choose" column.

This screenshot shows the search results for the food name "sizzling". The search bar contains "sizzling". The table below the search bar displays the single row where the food name is "Sizzling Beef Rice" with a price of \$56, and a "select" button in the "choose" column.

step 3 : click select

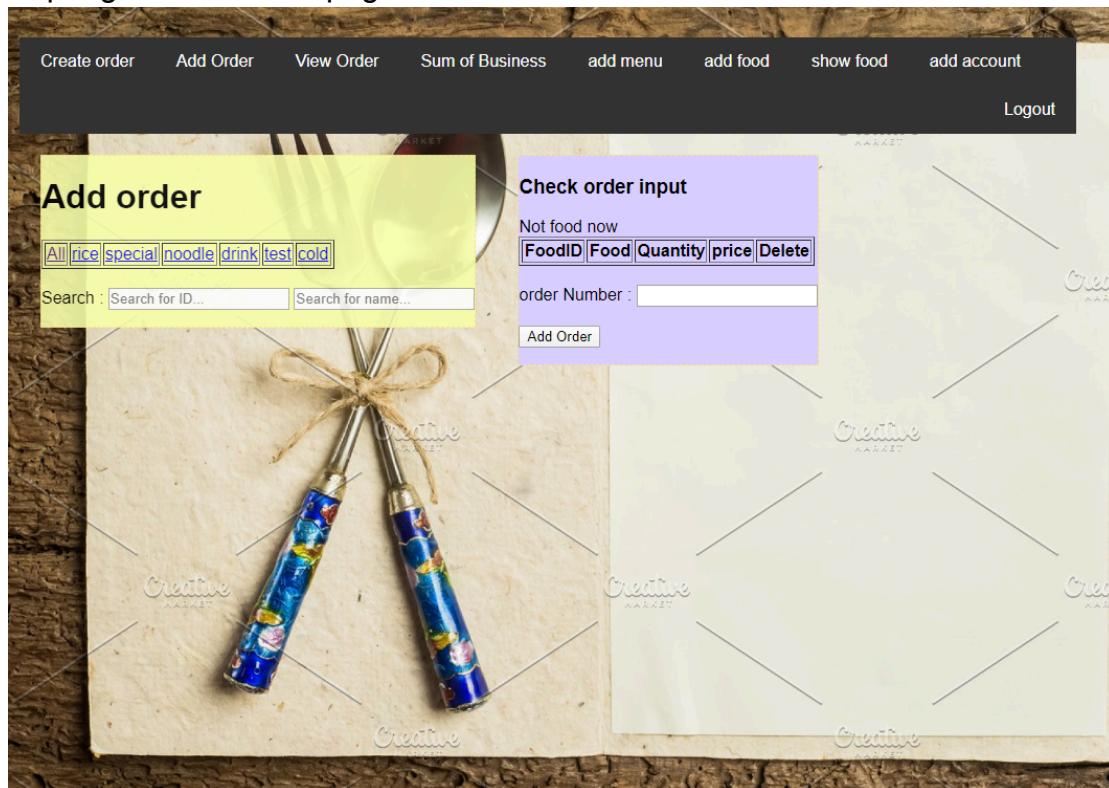
The screenshot shows two overlapping windows. On the left is the 'Create order' window. It has a search bar with 'Search for ID...' and 'sizzling'. Below it is a table with columns: FoodID, Food, price, choose. A row contains '10005', 'Sizzling Beef Rice', '\$56', and a button labeled 'select' which is circled in red. On the right is a 'Check order input' window with a table showing one item: FoodID 10005, Food Sizzling Beef Rice, Quantity 1, price \$56, and a Delete button.

step 4: input table number and click create order.

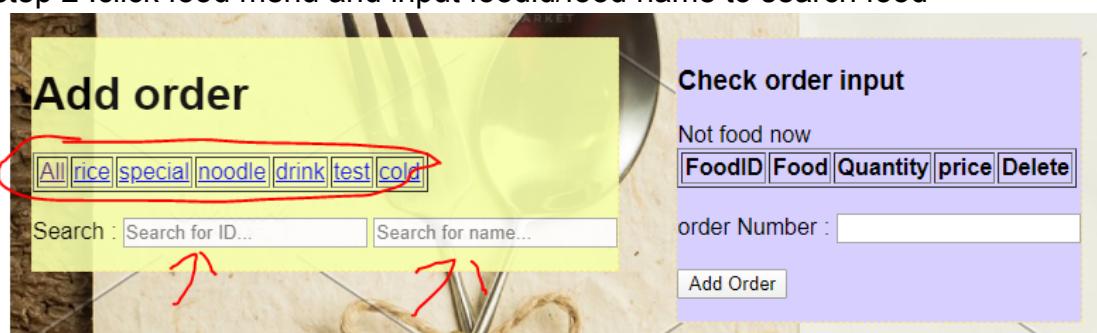
The screenshot shows the same two windows. In the 'Check order input' window, the 'Table Number:' field now contains '12'. The 'Create Order' button below it is circled in red.

Add order:

step1: go to add order page



step 2 :click food menu and input foodid/food name to search food



step 3 : click select

The screenshot shows two overlapping windows. The main window is titled "Add order" and contains a table of food items with columns: FoodID, Food, price, and choose. One row for "Curry Pork Rice" has its "choose" button highlighted with a red circle. A modal window titled "Check order input" is overlaid, containing a table with one row and a form field labeled "order Number:" with the value "28".

Add order

FoodID	Food	price	choose
10001	rice	\$4	select
20111	Barbecue Pork Fired Rice	\$45	select
20112	Beef in Black Bean Sauce Rice	\$45	select
20113	Curry Pork Rice	\$45	select
20122	Fish Fillet Rice	\$45	select
20131	Checken chow Mein	\$45	select
20132	Beef Ho Fan	\$45	select
3666	bee	\$0	select
7774	bee q	\$2	select

Check order input

FoodID	Food	Quantity	price	Delete
20113	Curry Pork Rice	1	\$45	Delete

order Number :

Add Order

step 4 : input order number and click submit

The screenshot shows the same interface as the previous step, but the "Add Order" button has been clicked. The "order Number" field now contains "28", and the "Add Order" button is highlighted with a red circle.

Add order

FoodID	Food	price	choose
10001	rice	\$4	select
20111	Barbecue Pork Fired Rice	\$45	select
20112	Beef in Black Bean Sauce Rice	\$45	select
20113	Curry Pork Rice	\$45	select
20122	Fish Fillet Rice	\$45	select
20131	Checken chow Mein	\$45	select
20132	Beef Ho Fan	\$45	select
3666	bee	\$0	select
7774	bee q	\$2	select

Check order input

FoodID	Food	Quantity	price	Delete
20113	Curry Pork Rice	1	\$45	Delete

order Number :

Add Order

view order detail :

step 1 : go to view order page

The screenshot shows a web application interface titled "View order". At the top, there is a navigation bar with links: Create order, Add Order, View Order, Sum of Business, add menu, add food, show food, add account, and Logout. Below the navigation bar is a search bar with two input fields: "Search : Search for ID..." and "Search for table number...". A table below the search bar displays order details:

Edit	Detail	Delete	Order ID	Table Number	Order Date	Total Price	Status
settle	Detail	Delete	28	20	2020-03-12	\$107	not Complete
settle	Detail	Delete	29	25	2020-03-12	\$146	not Complete
settle	Detail	Delete	30	22	2020-03-12	\$48	not Complete

step 2 : click detail

The screenshot shows the same "View order" page as above, but with a red circle highlighting the "Detail" link for Order ID 28 in the first row of the table. Below the table, a new section titled "Detail of Order ID : 28" is displayed, containing a smaller table showing the details of the order items:

OrderID	foodID	food	Quantity	Price
28	30003	Beef Shanghai Noodle	1	\$62
28	20131	Checken chow Mein	1	\$45

delete order:

step 1: go to view order page

The screenshot shows a web application interface titled "View order". At the top, there is a navigation bar with links: Create order, Add Order, View Order, Sum of Business, add menu, add food, show food, add account, and Logout. Below the navigation bar is a search bar with two input fields: "Search : Search for ID..." and "Search for table number...". The main content area displays a table of orders with the following data:

	Edit	Detail	Delete	Order ID	Table Number	Order Date	Total Price	Status
settle	Detail	Delete	28	20	2020-03-12	\$107	not Complete	
settle	Detail	Delete	29	25	2020-03-12	\$146	not Complete	
settle	Detail	Delete	30	22	2020-03-12	\$48	not Complete	
settle	Detail	Delete	38	35	2020-05-17	\$56	not Complete	

The background of the page features a photograph of a market stall with the text "Creative MARKET" visible on the stall's surface.

step 2: click delete

The screenshot shows the same "View order" page as before, but with a red circle highlighting the "Delete" link in the fourth row of the table. Below the table, a modal dialog box is displayed with the heading "Are you sure to delete this order?". Inside the dialog, the "Order ID" is shown as 38. There are two radio buttons for "Delete?": "Yes" (selected) and "No". At the bottom of the dialog are two buttons: "Submit" and "Cancel".

step 3 : click radio to yes and submit

The screenshot shows a web-based application interface. At the top, there is a header with the title "View order". Below the header, there are two search input fields: "Search : Search for ID..." and "Search for table number...". Underneath these fields is a table displaying a list of orders. The table has columns for "Edit", "Detail", "Delete", "Order ID", "Table Number", "Order Date", "Total Price", and "Status". The data in the table is as follows:

Edit	Detail	Delete	Order ID	Table Number	Order Date	Total Price	Status
settle	Detail	Delete	28	20	2020-03-12	\$107	not Complete
settle	Detail	Delete	29	25	2020-03-12	\$146	not Complete
settle	Detail	Delete	30	22	2020-03-12	\$48	not Complete
settle	Detail	Delete	38	35	2020-05-17	\$56	not Complete

Below the table, a modal dialog box is displayed with the heading "Are you sure to delete this order?". Inside the dialog, there is an "Order ID" field containing "38", a "Delete?" section with radio buttons ("Yes" and "No"), and two buttons at the bottom: "Submit" and "Cancel". The "Delete?", "Yes" radio button, and the "Submit" button are all circled with red lines.

settle order:

step 1: go to view order page

The screenshot shows a web application interface titled "View order". At the top, there is a navigation bar with links: "Create order", "Add Order", "View Order", "Sum of Business", "add menu", "add food", "show food", "add account", and "Logout". Below the navigation bar is a search bar with two input fields: "Search : Search for ID..." and "Search for table number...". The main content area displays a table of orders:

Edit	Detail	Delete	Order ID	Table Number	Order Date	Total Price	Status
settle	Detail	Delete	28	20	2020-03-12	\$107	not Complete
settle	Detail	Delete	29	25	2020-03-12	\$146	not Complete
settle	Detail	Delete	30	22	2020-03-12	\$48	not Complete

The background of the page features a photograph of two chopsticks with decorative blue and gold designs, resting on a surface with the word "Creative" repeated in the background.

step 2: click settle order

The screenshot shows the same "View order" page as before, but with a red circle highlighting the "settle" link in the first row of the table. To the right of the table, a modal dialog box is open with a purple header "Settle order". The dialog contains the following fields:

- Order ID:
- Status: COMPLETE
- Total Price:
- Payment Money:

At the bottom of the dialog are "submit" and "reset" buttons.

step 3 : input customer payment money and click submit

Settle order

Order ID: 28

Status: COMPLETE

Total Price: \$107

Payment Money:

step 4: show the order (can print/not print)

Order ID : 28

Quantity	Food	Price
1 x	Beef Shanghai Noodle	\$62
1 x	Checken chow Mein	\$45

Payment: \$120

Total Amount: \$107

Change: \$13

[Back](#)

Sum of business:

step 1 : go to sum of business page

The screenshot shows a web application interface with a dark header bar containing navigation links: Create order, Add Order, View Order, Sum of Business, add menu, add food, show food, add account, and Logout. Below the header, the text "Sum of business" is displayed. Underneath, there are two input fields labeled "Start Time:" and "End Time:", both containing placeholder text "年 /月/日". Below these fields are two buttons: "reset" and "submit".

step 2 : select the time between time and click submit

The screenshot shows the same web application interface as the previous one. A red oval has been drawn around the "Start Time:" and "End Time:" input fields and their respective buttons ("reset" and "submit"). The "Start Time:" field contains "2020/01/01" and the "End Time:" field contains "2020/05/08".

step 3 : show the submit of business form(can print /not print)

The Sum of Business report of Restaurant
2020-01-01 between 2020-05-08

orderID	order_Date	Total_Price
8	2020-01-19	\$211
9	2020-01-20	\$150
10	2020-01-26	\$45
11	2020-01-26	\$55
12	2020-01-26	\$188
13	2020-02-21	\$138
15	2020-02-21	\$189
18	2020-02-23	\$200
19	2020-02-23	\$104
20	2020-02-23	\$325
21	2020-02-23	\$101
23	2020-02-23	\$53
24	2020-02-23	\$209
25	2020-02-23	\$150
27	2020-02-23	\$208
28	2020-03-12	\$107
32	2020-03-12	\$306
34	2020-03-12	\$388
36	2020-03-12	\$210
37	2020-03-12	\$161
<u>Sum of business</u>		<u>\$3498</u>

show/hide food menu

step 1 : go to add menu page

Create order Add Order View Order Sum of Business **add menu** add food show food add account Logout

Menu Edit

MenuID	Menu Name	Show Menu	Edit
0	hidefood	No	Change
1	rice	Yes	Change
2	special	Yes	Change
3	noodle	Yes	Change
4	drink	Yes	Change
5	pocket	No	Change
8	test	Yes	Change
9	cold	Yes	Change

[Add Menu](#)

step 2 : click change

Menu Edit

MenuID	Menu Name	Show Menu	Edit
0	hidefood	No	Change
1	rice	Yes	Change
2	special	Yes	Change
3	noodle	Yes	Change
4	drink	Yes	Change
5	pocket	No	Change
8	test	Yes	Change
9	cold	Yes	Change

[Add Menu](#)

Show Menu

Menu ID

Menu Name

Show Yes No

[submit](#)

[cancel](#)

step 3 : select yes/no radio and click submit

Menu Edit

MenuID	Menu Name	Show Menu	Edit
0	hidefood	No	Change
1	rice	Yes	Change
2	special	Yes	Change
3	noodle	Yes	Change
4	drink	Yes	Change
5	pocket	No	Change
8	test	Yes	Change
9	cold	Yes	Change

[Add Menu](#)

Show Menu

Menu ID

Menu Name

Show Yes No

[submit](#) [cancel](#)

step 4 : menu are change to hide

Menu Edit

MenuID	Menu Name	Show Menu	Edit
0	hidefood	No	Change
1	rice	No	Change
2	special	Yes	Change
3	noodle	Yes	Change
4	drink	Yes	Change
5	pocket	No	Change
8	test	Yes	Change
9	cold	Yes	Change

[Add Menu](#)

Add menu:

step 1: go to add menu page

Create order Add Order View Order Sum of Business add menu add food show food add account Logout

Menu Edit

MenuID	Menu Name	Show Menu	Edit
0	hidefood	No	Change
1	rice	No	Change
2	special	Yes	Change
3	noodle	Yes	Change
4	drink	Yes	Change
5	pocket	No	Change
8	test	Yes	Change
9	cold	Yes	Change

[Add Menu](#)

step 2: click the add menu button

Menu Edit

MenuID	Menu Name	Show Menu	Edit
0	hidefood	No	Change
1	rice	No	Change
2	special	Yes	Change
3	noodle	Yes	Change
4	drink	Yes	Change
5	pocket	No	Change
8	test	Yes	Change
9	cold	Yes	Change

[Add Menu](#)

Add menu

MenuID:

Menu Name :

Show? : YES NO

[提交](#) [重設](#)

[Cancel](#)

step 3: input MenuID, menu name, menu show/hide and click submit

Menu Edit

MenuID	Menu Name	Show Menu	Edit
0	hidefood	No	Change
1	rice	No	Change
2	special	Yes	Change
3	noodle	Yes	Change
4	drink	Yes	Change
5	pocket	No	Change
8	test	Yes	Change
9	cold	Yes	Change

Add Menu

x

Add menu

MenuID:

10

Menu Name :

winter

Show? : YES NO

[提交](#)

[重設](#)

[Cancel](#)

change food price and it's menu

step 1: go to add food page

Create order Add Order View Order Sum of Business add menu add food show food add account Logout

Edit Food

Search : <input type="text" value="Search for menu ID..."/>	<input type="text" value="Search for food ID..."/>	<input type="text" value="Search for food name..."/>		
<input type="button" value="All"/> <input type="button" value="hidefood"/> <input type="button" value="rice"/> <input type="button" value="special"/> <input type="button" value="noodle"/> <input type="button" value="drink"/> <input type="button" value="pocket"/> <input type="button" value="test"/> <input type="button" value="cold"/>				
MenuID	FoodID	Food Name	Price	Action
0	30001	San Shen Shanghai Noodle	42	<input type="button" value="Change"/>
1	10002	Szechuan Style Fried Rice	48	<input type="button" value="Change"/>
1	10003	Beef Fried Rice	52	<input type="button" value="Change"/>
1	10004	Shrimp Fried Rice	51	<input type="button" value="Change"/>
1	10005	Sizzling Beef Rice	56	<input type="button" value="Change"/>
2	10001	rice	4	<input type="button" value="Change"/>
2	20111	Barbecue Pork Fired Rice	45	<input type="button" value="Change"/>
2	20112	Beef in Black Bean Sauce Rice	45	<input type="button" value="Change"/>
2	20113	Curry Pork Rice	45	<input type="button" value="Change"/>
2	20122	Fish Fillet Rice	45	<input type="button" value="Change"/>
2	20131	Checken chow Mein	45	<input type="button" value="Change"/>
2	20132	Beef Ho Fan	45	<input type="button" value="Change"/>
2	3666	bee	0	<input type="button" value="Change"/>
2	7774	bee q	2	<input type="button" value="Change"/>
3	30002	Singapore Rice Noodle	57	<input type="button" value="Change"/>
3	30003	Beef Shanghai Noodle	62	<input type="button" value="Change"/>
3	30004	Beef Ho Fan	54	<input type="button" value="Change"/>
3	30005	Cantanese Chow Mein	55	<input type="button" value="Change"/>
3	30012	noodle fire	45	<input type="button" value="Change"/>
4	40018	milkde	55	<input type="button" value="Change"/>
4	50001	RedTea(Free)	0	<input type="button" value="Change"/>
4	50002	lemon tea	0	<input type="button" value="Change"/>
4	8888	test food	40	<input type="button" value="Change"/>
9	3434	lazer	4	<input type="button" value="Change"/>
9	40012	cold	60	<input type="button" value="Change"/>

step 2: use menuid/foodID/foodName to search food food

Edit Food

Search : <input type="text" value="Search for menu ID..."/>	<input type="text" value="Search for food ID..."/>	<input type="text" value="Search for food name..."/>
<input type="button" value="All"/> <input type="button" value="hidefood"/> <input type="button" value="rice"/> <input type="button" value="special"/> <input type="button" value="noodle"/> <input type="button" value="drink"/> <input type="button" value="pocket"/> <input type="button" value="test"/> <input type="button" value="cold"/>		

step 3: click change

Edit Food

Search : <input type="text" value="Search for menu ID..."/>	<input type="text" value="Search for food ID..."/>	<input type="text" value="Search for food name..."/>		
<input type="button" value="All"/> <input type="button" value="hidefood"/> <input type="button" value="rice"/> <input type="button" value="special"/> <input type="button" value="noodle"/> <input type="button" value="drink"/> <input type="button" value="pocket"/> <input type="button" value="test"/> <input type="button" value="cold"/>				
MenuID	FoodID	Food Name	Price	Action
0	30001	San Shen Shanghai Noodle	42	<input type="button" value="Change"/>
1	10002	Szechuan Style Fried Rice	48	<input type="button" value="Change"/>
1	10003	Beef Fried Rice	52	<input type="button" value="Change"/>
1	10004	Shrimp Fried Rice	51	<input type="button" value="Change"/>
1	10005	Sizzling Beef Rice	56	<input type="button" value="Change"/>
2	10001	rice	4	<input type="button" value="Change"/>

Edit Food detail

MenuID	0
MenuName	hidefood
foodID	30001
food Name	San Shen Shanghai Noodle
Price(\$)	42
Change menu	--change menu-- ▾
<input type="button" value="reset"/>	<input type="button" value="submit"/>

step 4: input the new price and choose the menu and click submit

Edit Food detail

MenuID	<input type="text" value="0"/>
MenuName	<input type="text" value="hidefood"/>
foodID	<input type="text" value="30001"/>
food Name	<input type="text" value="San Shen Shanghai Noodle"/>
Price(\$)	<input type="text" value="50"/>
Change menu	<input style="width: 100px; height: 20px; border: 1px solid black; border-radius: 5px; padding: 2px 5px;" type="text" value="winter"/> ▼
<input type="button" value="reset"/>	<input style="border: 1px solid red; border-radius: 5px; background-color: #f0f0f0; color: black; padding: 2px 5px;" type="button" value="submit"/>

Add new food

step 1: go to add food page

Create order Add Order View Order Sum of Business add menu add food show food add account Logout

Edit Food			
Search : <input type="text" value="Search for menu ID..."/> <input type="text" value="Search for food ID..."/> <input type="text" value="Search for food name..."/>			
MenuID	FoodID	Food Name	Price
0	30001	San Shen Shanghai Noodle	42
1	10002	Szechuan Style Fried Rice	48
1	10003	Beef Fried Rice	52
1	10004	Shrimp Fried Rice	51
1	10005	Sizzling Beef Rice	56
2	10001	rice	4
2	20111	Barbecue Pork Fired Rice	45
2	20112	Beef in Black Bean Sauce Rice	45
2	20113	Curry Pork Rice	45
2	20122	Fish Fillet Rice	45
2	20131	Checken chow Mein	45
2	20132	Beef Ho Fan	45
2	3666	bee	0
2	7774	bee q	2
3	30002	Singapore Rice Noodle	57
3	30003	Beef Shanghai Noodle	62
3	30004	Beef Ho Fan	54
3	30005	Cantanese Chow Mein	55
3	30012	noodle fire	45
4	40018	milkde	55
4	50001	RedTea(Free)	0
4	50002	lemon tea	0
4	8888	test food	40
9	3434	lazer	4
9	40012	cold	60

Add Food

step 2: click add food button

Add Food

Food ID:

Food Name :

Price :

choose Menu :

step 3: input the detail and click submit

Add Food

x

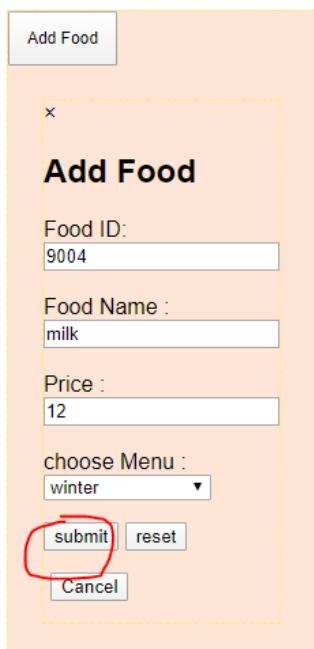
Add Food

Food ID:
9004

Food Name :
milk

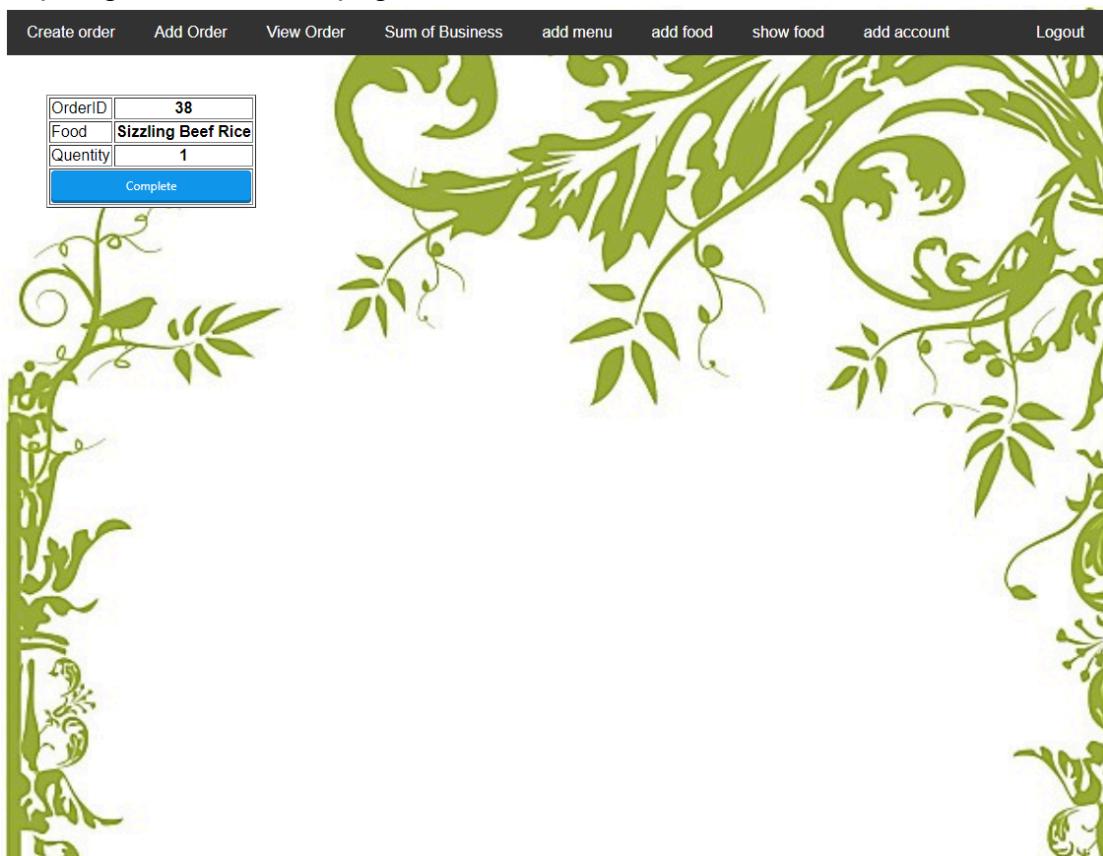
Price :
12

choose Menu :
winter ▾

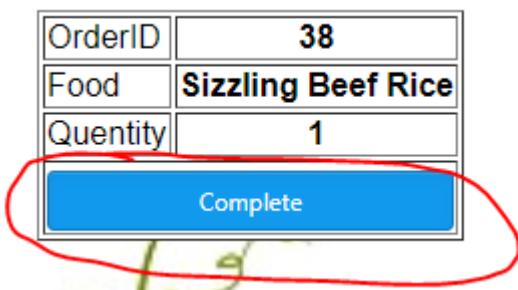


Chef see/complete order's food:

step 1: go to show food page



step 2 : click complete button



Edit account

step 1 : go to add account page

Create order Add Order View Order Sum of Business add menu add food show food add account Logout

Account List

[Create Account](#)

Permission 0 = admin, 1 = employee, 2 = chef

Search :

Search for account ID...

Search for permission...

Account	password	Permission	Delete	Edit
admin	admin	0	Delete	Choose
chef	chef	2	Delete	Choose
staff_test	12345678	1	Delete	Choose
test	test	2	Delete	Choose

step 2 : use account/permission to search account

Search :

admin

Search for permission...

Account	password	Permission	Delete	Edit
admin	admin	0	Delete	Choose

Search :

Search for account ID...

2

Account	password	Permission	Delete	Edit
chef	chef	2	Delete	Choose
test	test	2	Delete	Choose

step 3: click choose

Search :

Search for account ID...

Search for permission...

Account	password	Permission	Delete	Edit
admin	admin	0	Delete	Choose
chef	chef	2	Delete	Choose
staff_test	12345678	1	Delete	Choose
test	test	2	Delete	Choose

Edit permission

Account	chef
password	chef
Permission	2

step 4: edit account password/permission and click submit

Edit permission

Account	chef
password	chef123
Permission	2
<input type="button" value="reset"/>	<input style="outline: 2px solid red; border-radius: 10px; border: none; background-color: #f0f0f0; padding: 5px; font-weight: bold; color: black; width: 100%; height: 100%;" type="button" value="submit"/>

Account	password	Permission	Delete	Edit
admin	admin	0	Delete	Choose
chef	chef123	2	Delete	Choose
staff_test	12345678	1	Delete	Choose
test	test	2	Delete	Choose

create new account

step 1 : go to add account page

Create order Add Order View Order Sum of Business add menu add food show food add account Logout

Account List

Create Account

Permission 0 = admin, 1 = employee, 2 = chef

Search :

Search for account ID...

Search for permission...

Account	password	Permission	Delete	Edit
admin	admin	0	Delete	Choose
chef	chef123	2	Delete	Choose
staff_test	12345678	1	Delete	Choose
test	test	2	Delete	Choose

step 2 : click the create account

Create order Add Order View Order Sum of Business add menu add food show food add account Logout

Account List

Create Account

Permission

Search :

Search for account ID...

Search for permission...

Account

admin	admin
chef	chef123
staff_test	12345678
test	test

Account

Enter Username

Password

Enter Password

permission

set permission

permission : 0=admin, 1=employee, 2=chef

submit

Cancel



step 3 : input the detail information and click submit

Account List

Create Account

Permission

Search :

Search for account

Search for permission

Account
admin
chef
staff_test
test

Account : newtst

Password :

permission : 1

permission : 0=admin, 1 = staff, 2=chef

submit

Cancel



Account	password	Permission	Delete	Edit
admin	admin	0	Delete	Choose
chef	chef123	2	Delete	Choose
newtst	new123	1	Delete	Choose
staff_test	12345678	1	Delete	Choose
test	test	2	Delete	Choose

Critical Evaluation

Problems/Difficulties encountered

1. When we codeing the project, we find some insufficient about our database. Then, we need to add or reduce the column, it will make lots of bug for the program. We need to check the program to fix the bug.
2. We are insufficient understanding of android studio. A lot of android studio functions need to online search. Also, we were watch youtube video to understand and fix some problem.

Delays/Changes in project schedule

	<i>Start Date</i>	<i>End Date</i>	<i>Used Time</i>
<i>Database Design</i>	2019-12-25	2020-1-10	15 days
<i>UI Design</i>	2019-12-15	2020-1-11	16 days

Limitations of the proposed system

1. this system only have android platform and website
1. Android platform cannot use this system full function.
1. html interface are not beautiful

Potential difficulties associated with the suggested progression route

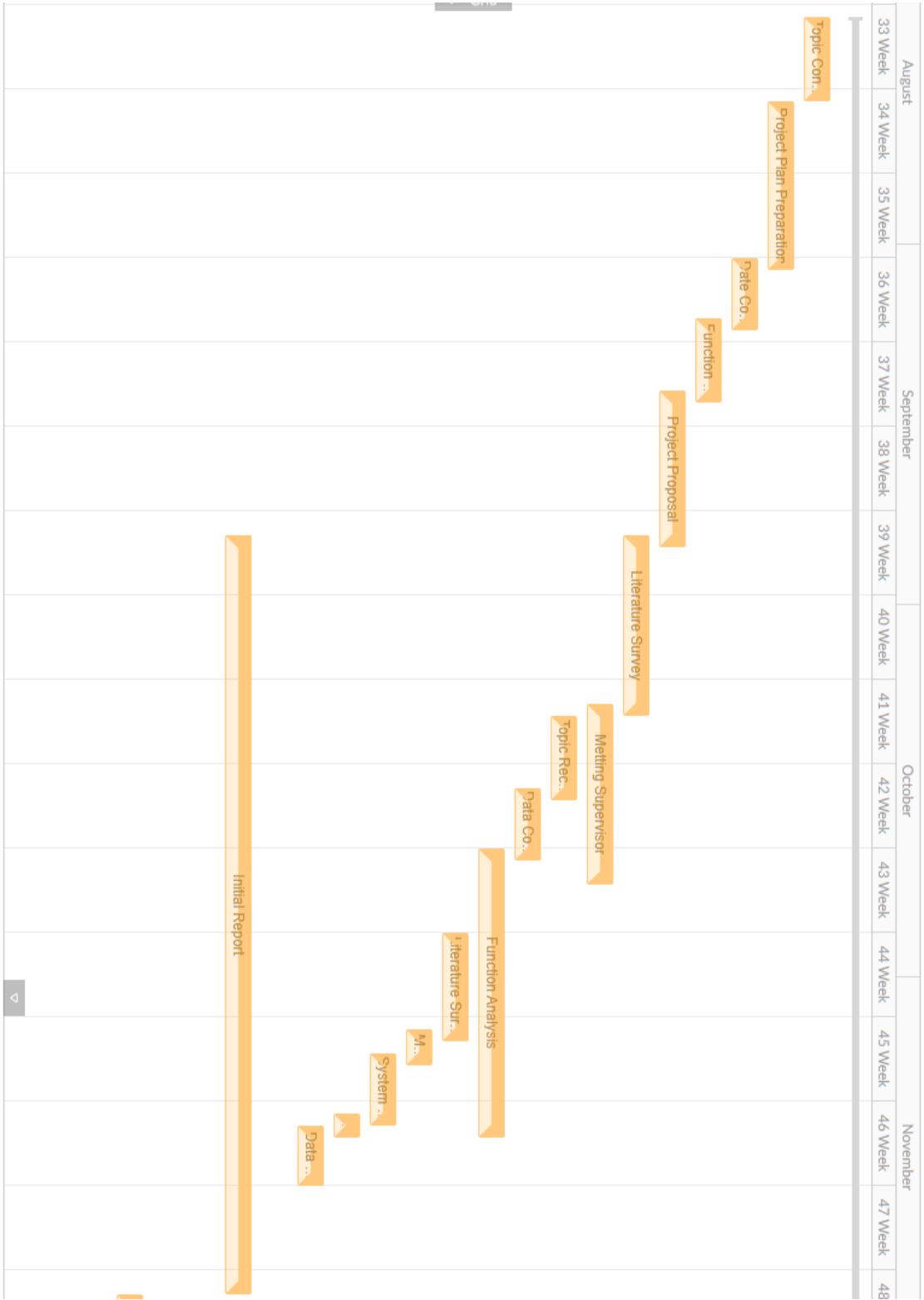
1. Database Update frequently: When we create and edit the system function, we need to update our database frequently.
2. Not enough time: this group only two member we have not enough time to improve this project more useful and add more function i want.

Detailed project plan

Schedule of work

Task name	Start date	End date	Duration (day)
- Total estimate	13/08/2019	15/04/2020	246
+ Topic Considerat...	13/08/2019	19/08/2019	7
+ Project Plan Pre...	20/08/2019	02/09/2019	14
+ Date Collection	02/09/2019	07/09/2019	6
+ Function Analysis	07/09/2019	13/09/2019	7
+ Project Proposal	13/09/2019	25/09/2019	13
+ Literature Survey	25/09/2019	09/10/2019	15
+ Metting Supervisor	09/10/2019	23/10/2019	15
+ Topic Recosider...	10/10/2019	16/10/2019	7
+ Data Collection	16/10/2019	21/10/2019	6
+ Function Analysis	21/10/2019	13/11/2019	24
+ Literature Survey	28/10/2019	05/11/2018	9
+ Metting	05/11/2019	07/11/2019	3
+ System Analysis	07/11/2019	12/11 2019	6
+ Metting Supervisor	12/11/2019	13/11/2019	2
+ Data Analysis	13/11/2019	17/11/2019	5
+ UI Design	19/12/2019	31/12/2019	13
+ Initial Report	25/09/2019	26/11/2019	63
+ Database Design	01/01/2020	11/01/2020	11
+ Programming	01/12/2019	01/04/2020	122
+ Interim Report	27/11/2019	15/01/2020	50
+ Progress Report	16/01/2020	12/03/2020	56
+ Final Report	12/03/2020	15/04/2020	35

Gantt chart



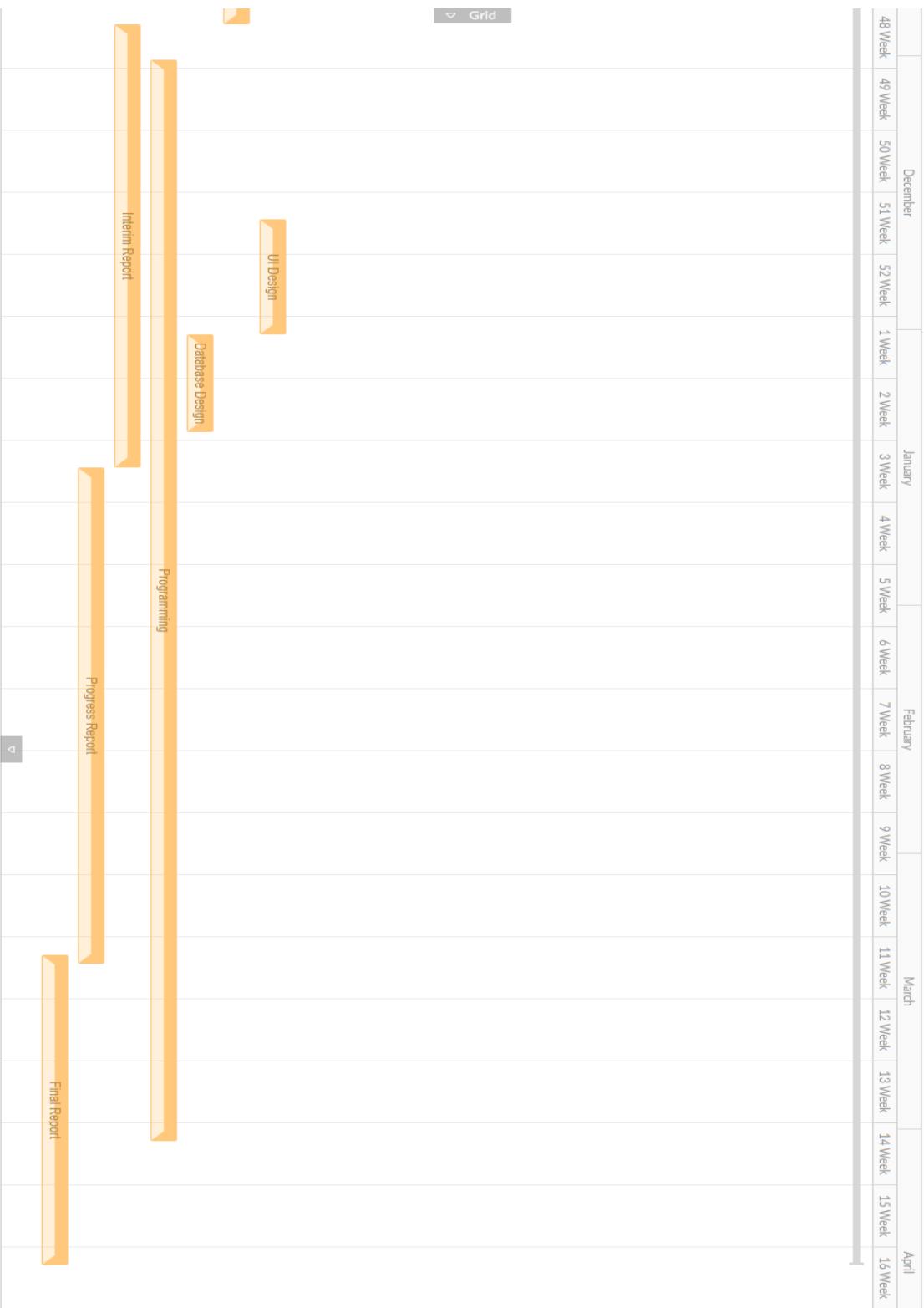


Figure 2: Project Plan – Gantt Chart

Conclusion

In this project, our program aim to make a system to give restaurant to fast and convenient create order, and it can easy to manage restaurant . This project was hard as we only have two member on this group. This is difficult to achieve the desired effect because we have to spend more time checking information. This makes this project difficult. Although this program is not perfect, I think he is practical. We will try our best to complete it.

through our program, we have learn different programming concept to finish the job. We was fix a lots of bug on this program. This make us know more about program language

References

Visual Paradigm Online - Suite of Powerful Tools

<https://online.visual-paradigm.com/tw/>

GoJS Interactive JavaScript Diagrams for the Web

<https://gojs.net/latest/index.html>

Appendices

Figure References

Figure1: System Architectural Diagram

Figure 2: Project Plan – Gantt Chart

Table References

Table 0: System Architecture – The Operating Machine (Server)

Table 1: System Architecture – The Operating Machine (Computer)

Table 2: System Architecture – The Operating Machine (Phone)

Table 3: System Architecture – Required Software & Library