

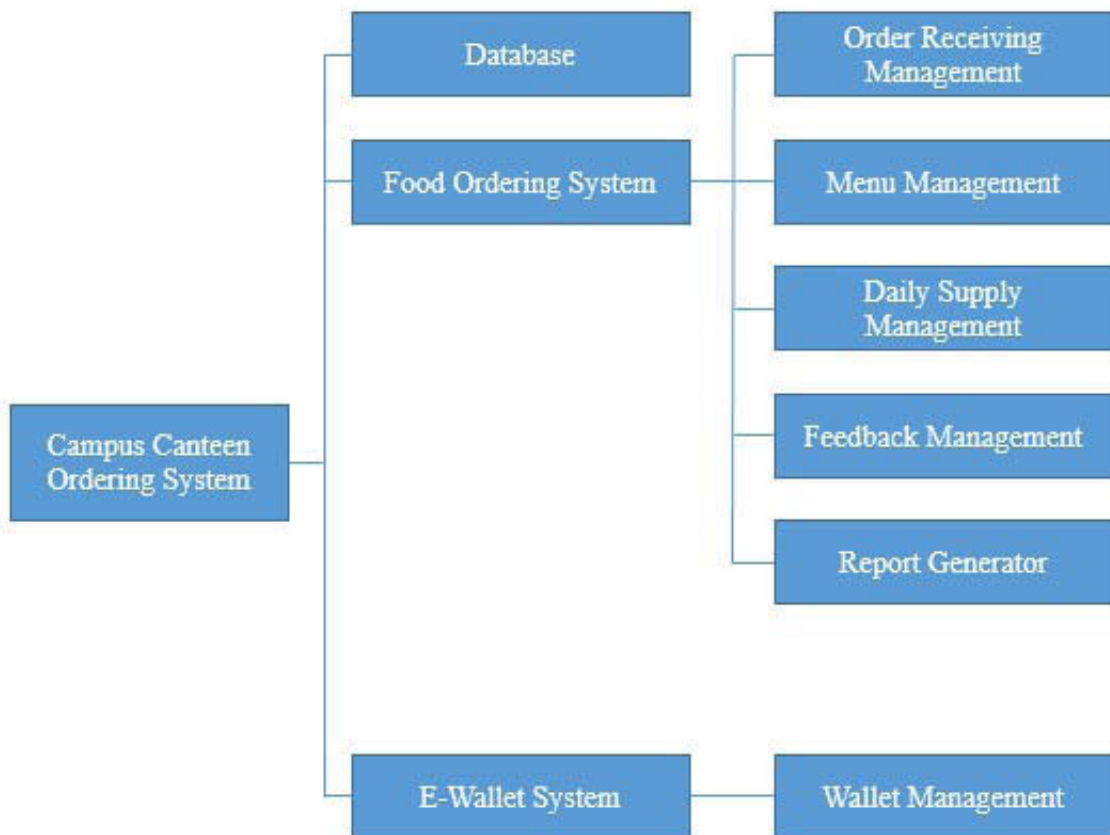
Campus Canteen Ordering System Used of E-Wallet Management



TARU

TUNKU ABDUL RAHMAN
UNIVERSITY COLLEGE

2019/20

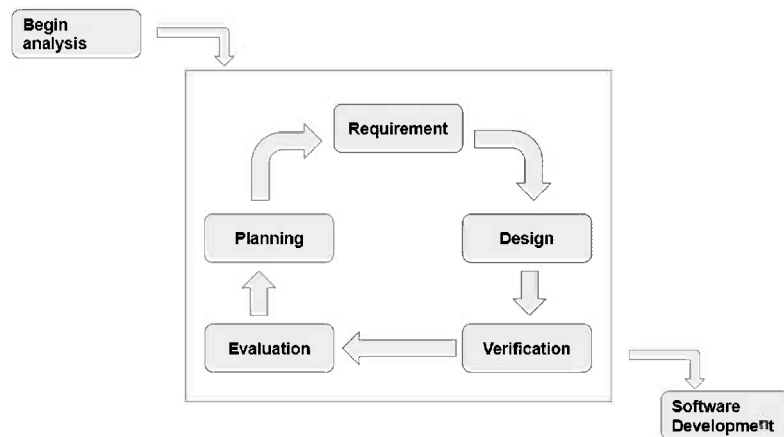


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Task \ Duration (Days)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Requirement																									
1.1 Background Study																									
1.2 Research																									
Determine Requirement																									
2.1 Define Project Scope																									
2.2 Define Functional Requirement																									
2.3 Define Non-Functional Requirement																									
2.4 Define Required Software																									
System Design																									
3.1 Design 1																									
3.1.1 Preliminary Design																									
Preliminary Design Review																									
Design 2																									
Improve Preliminary Design																									
Preliminary Design Review																									
Final Design																									
Final Design Review																									
Development of System Platform																									
4.1.1 Customer module																									

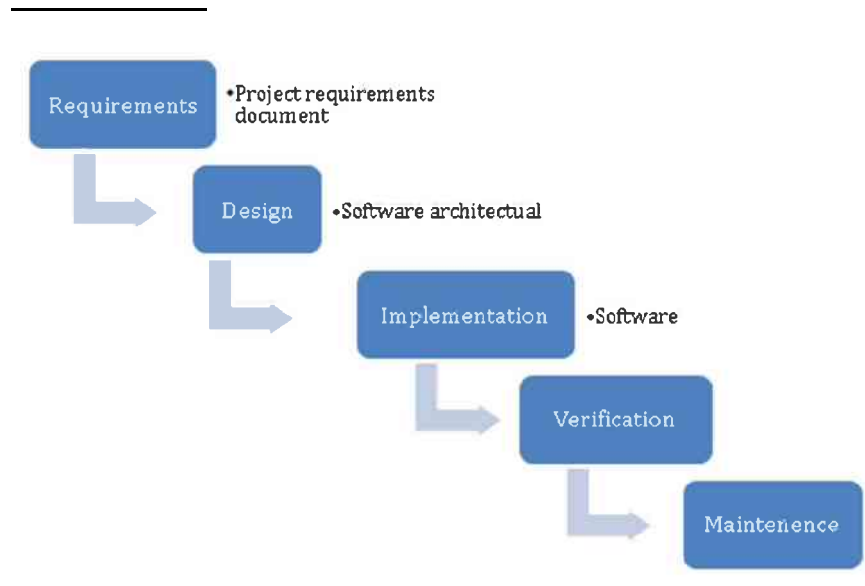
3.1.2
3.2
3.2.1 Imp
3.2.2 Pre
3.3 Finali
3.3.1 Fin
Coding
4.1 Devel

Systems and Sub-systems	Lee Man Hin	Thye Wen Haw
Database	X	X
Account Management System		
Change Password		X
Reset Password		X
Add Student/Staff	X	
Add Store	X	
Food Ordering System		
Store Registration	X	
Ordering System		X
Order Receiving System	X	
Food Supply Inventory	X	
Giving Feedback		X
Feedback Management System	X	
E-Wallet System		
Top Up Wallet		X
Customer Wallet Management		X
Merchant Wallet Management	X	
Merchant Cash Out System	X	



Begin Analysis	When the documentation is start.
Planning	Organize and prepare the proposal about the system proposed.
Requirement	Collecting requirement regarding to the system proposed.
Design	Map out the functional and non-functional requirement by using the collected information.
Verification	Validate with the stakeholders or end user to ensure the system is fulfill their needs.

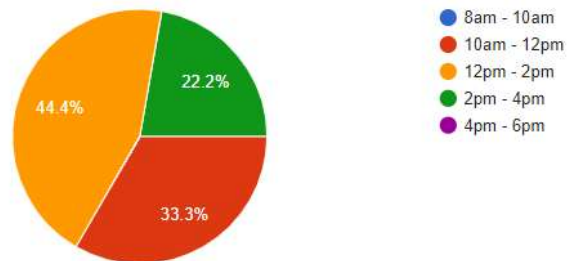
Evaluation	Review the system documentation to ensure that is completely approved to be implement.
Software Development	Start to implement the system according to the documentation.



Requirement	The requirements of the system are analyzed and written down in a specification document.
Design	This stage largely covers the design requirements of the system, such as programming language, data layers, services and so on.
Implementation	Write the source code of the system to implementing all models.
Verification	Testers will test the system and discover the issues that needed to be resolved. It is common to go back to the previous stage, re-code the system in order to resolve the bugs.
Maintenance	Maintenance to ensure it is up-to-date and keep functional of the system

Which range of hour is the Peak hours of the day?

9 responses



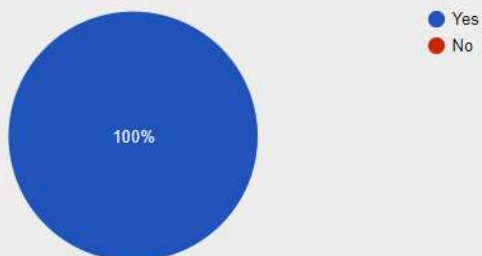
Do you know what is Online Food Ordering Management System?

9 responses



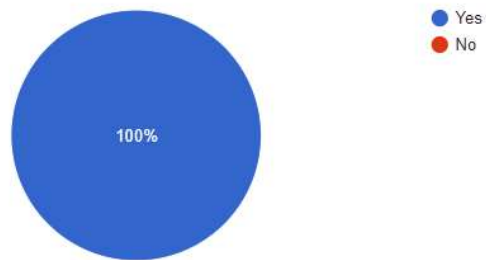
Do you know there are online food ordering Management System in the market?

9 responses



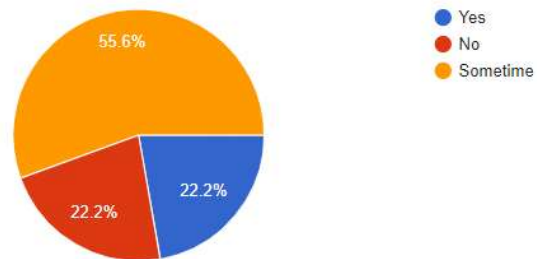
Online food ordering Management System can helps to increase profit of your store?

9 responses

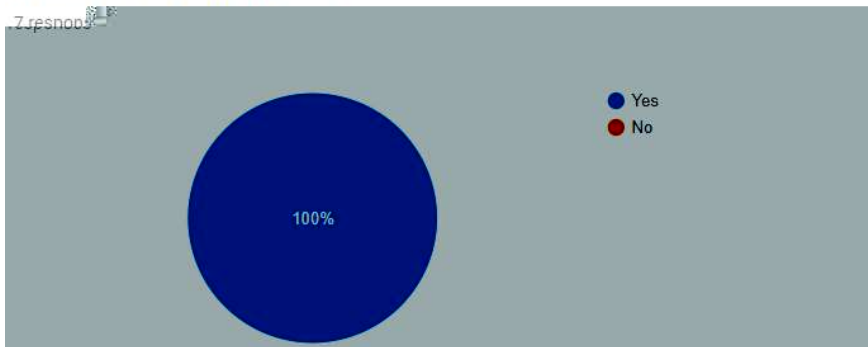


When it is the peak hours, can you receive order well?

9 responses

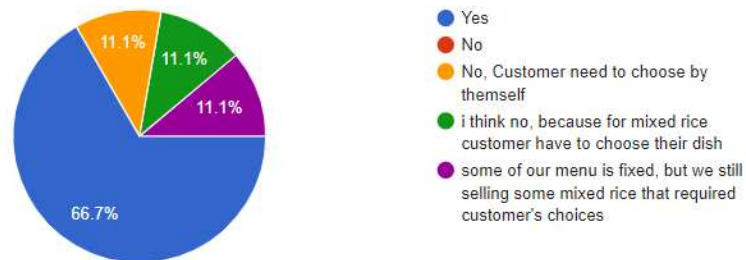


If no, do you think an online food ordering system can helps to handle your business when peak hour?



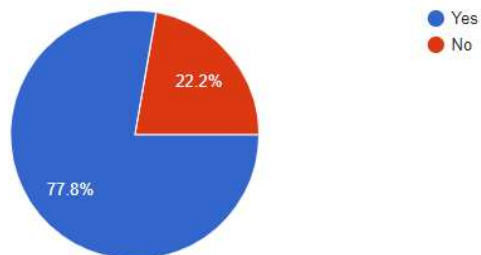
Do you think your store suitable to use online food ordering system to receive order from customer?

9 responses



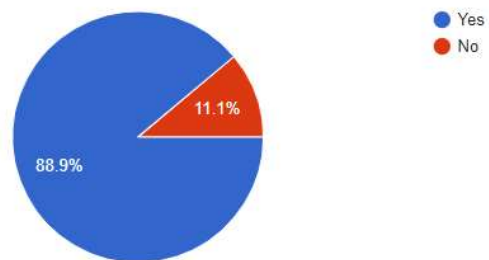
Currently, it is hard to notify customer when there are item sold out?

9 responses



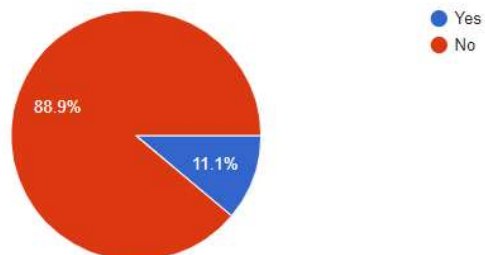
If the online food ordering system can use to inform customer when there are item sold out, do you think this is good for your business?

9 responses



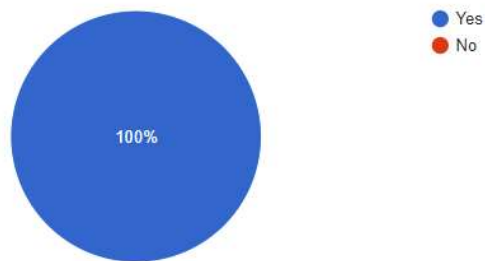
Currently, It is easy to receive customer's feedback of food quality?

9 responses

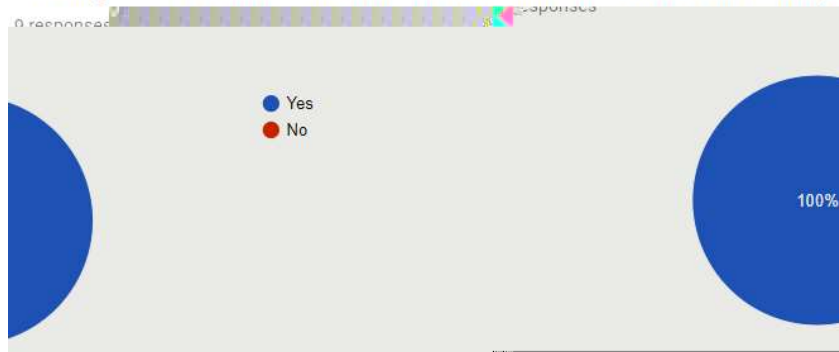


Do you think an online food ordering system can help to receive more accurate feedback from customers?

9 responses

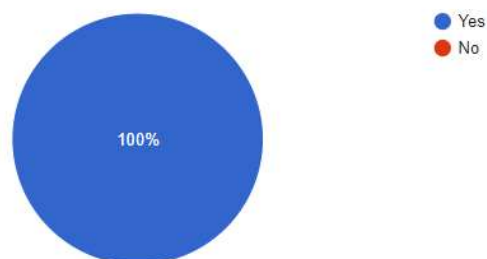


Is using cash as transaction method in canteen is time consuming?



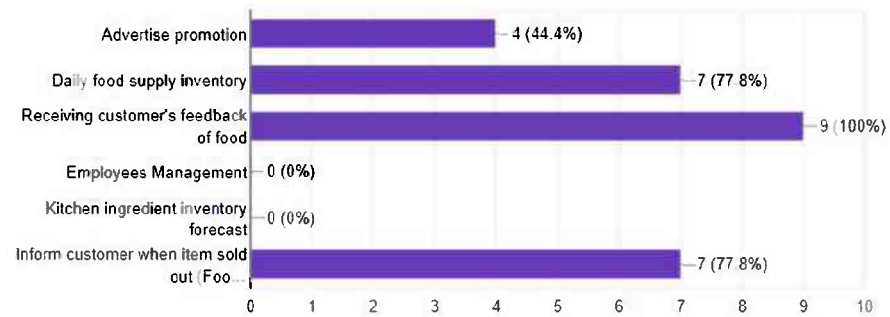
Do you think cashless transaction in a canteen is an effective method to increase the speed of receiving orders?

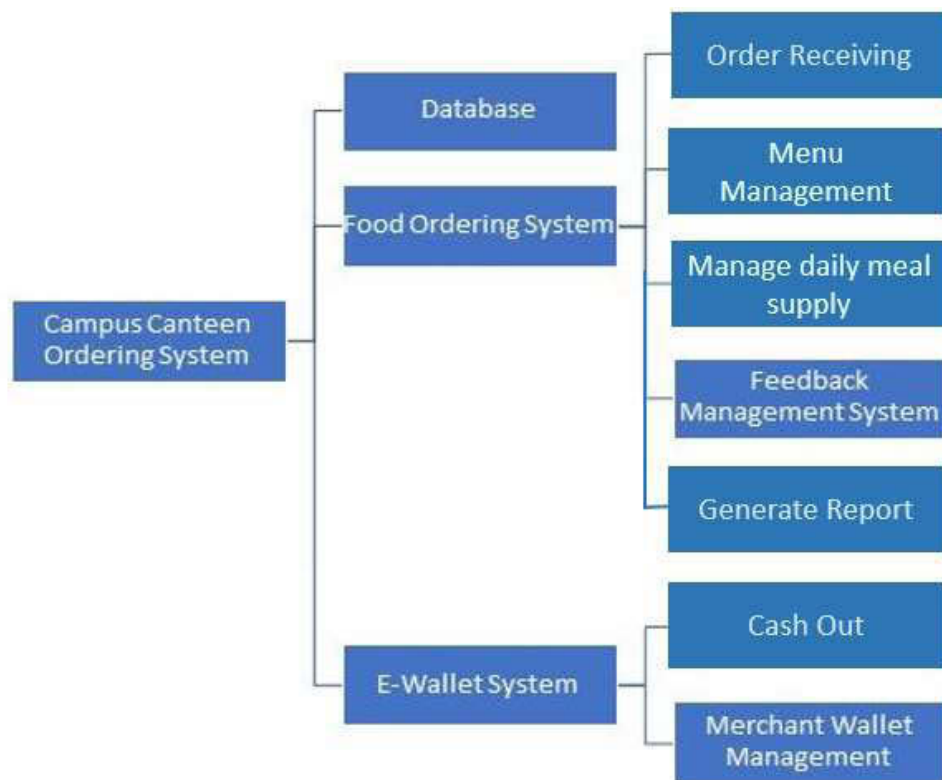
9 responses

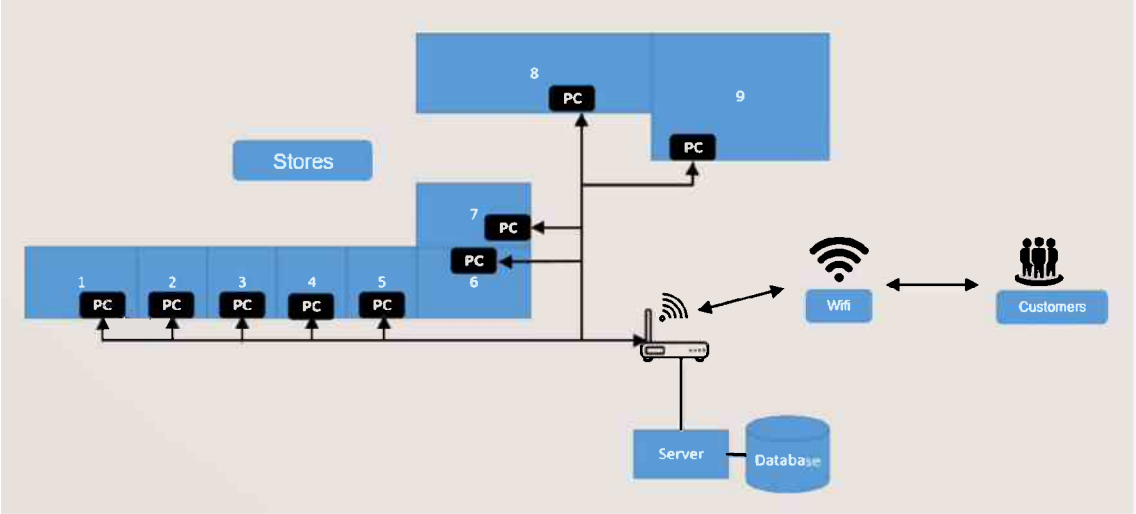


Which 3 additional feature (other than receiving order) do you think is best for a online food ordering system?

9 responses

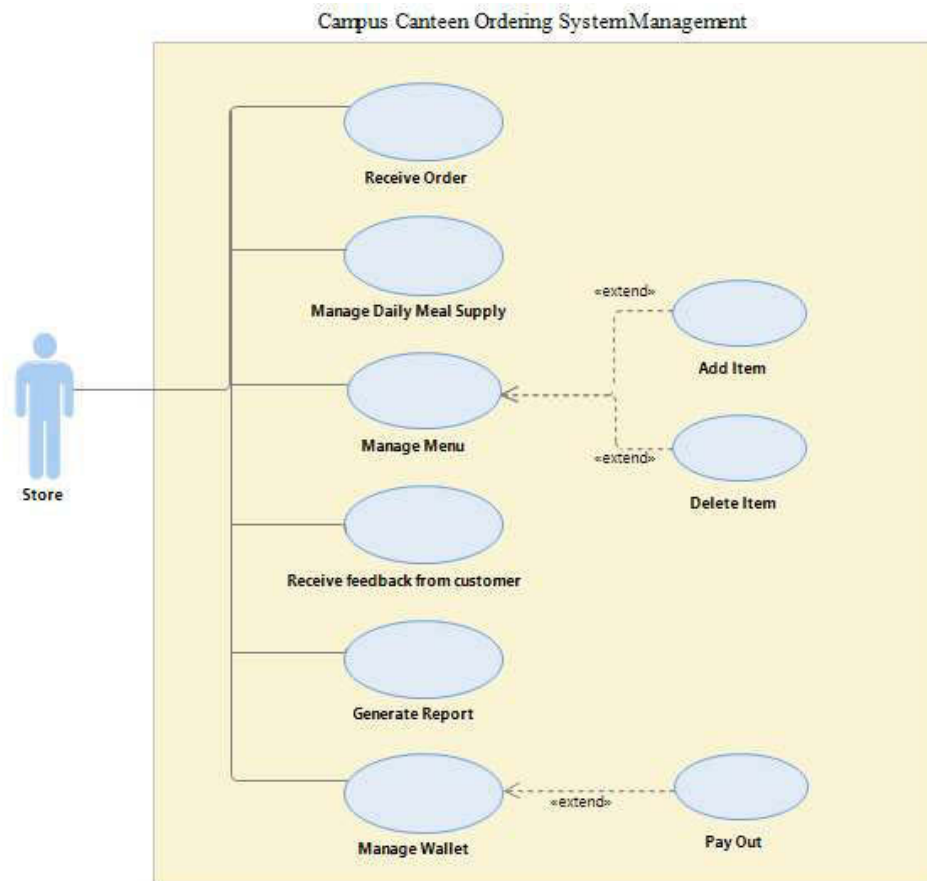






3.2.7 Functional Requirements

4.1 Use Case Diagram



4.2 Use Case Description

Use Case Name	Receiving Order	
Actor	Store Manager	
Pre-Condition	User must login in to their account and display user interface	
Actor Action		System Response
1. Click on "Manage Order" on the menu		2. Display all the order
Alternative Flow		
Post-Condition	-	

Use Case Name	Manage Daily Meal Supply	
Actor	Store Manager	
Pre-Condition	User must login in to their account and display user interface	
Actor Action	System Response	
1. Click on " Manage Daily Meals" on the menu	2. System shows a window with input field	
3. User insert the number of meal to be sold or check or uncheck for on sale		
Alternative Flow		
1. User click back button, system redirect user back to first page of this module		
Post-Condition	System update the daily meal supply in database	

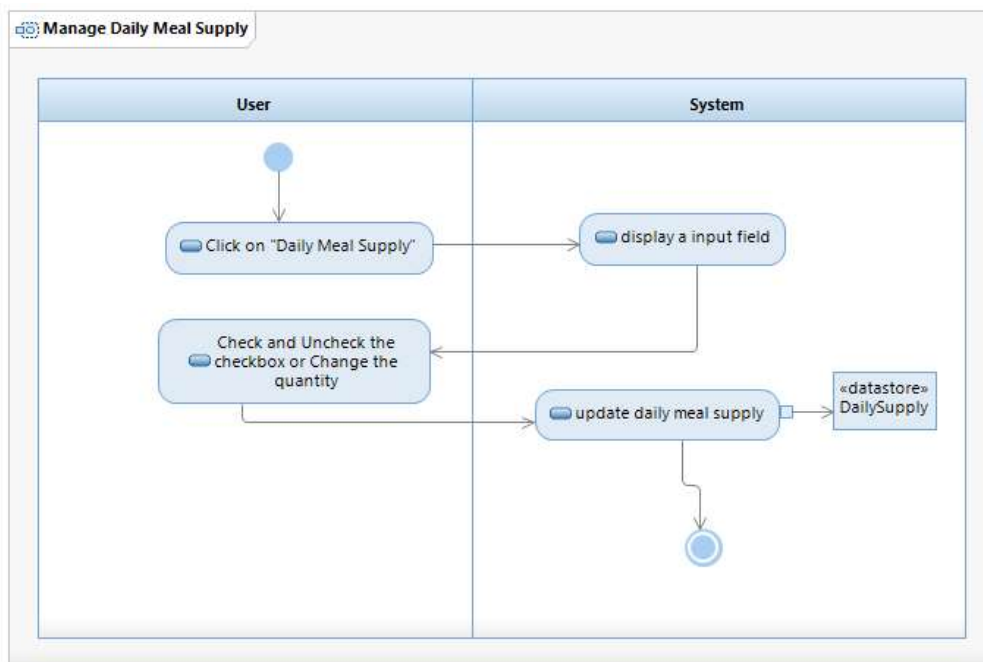
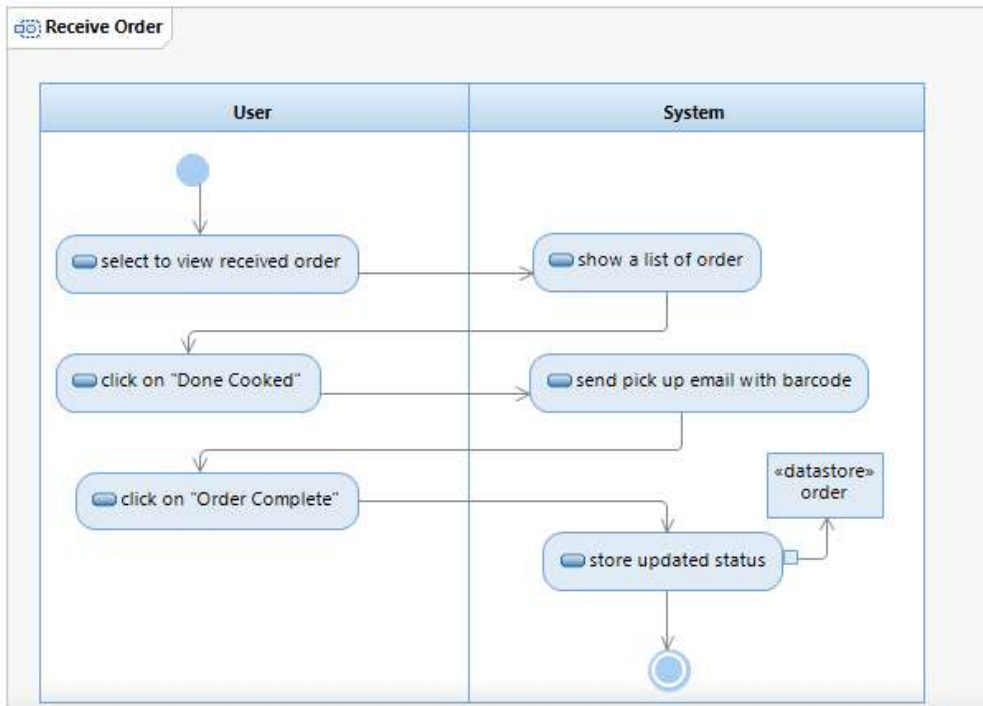
Use Case Name	Add Item		
Actor	Store Manager		
Pre-Condition	User must login in to their account and display user interface		
Actor Action	System Response		
1. Click on "Manage Menu" on menu 3. Fill up the form and click "Add" button	2. System display the form used to fill in item detail 4. System validate the detail		
Alternative Flow			
1. User click back button, system redirect user back to first page of this module			
4. Return to step 2 while the detail is not valid			
Post-Condition	Updated menu stored in database		

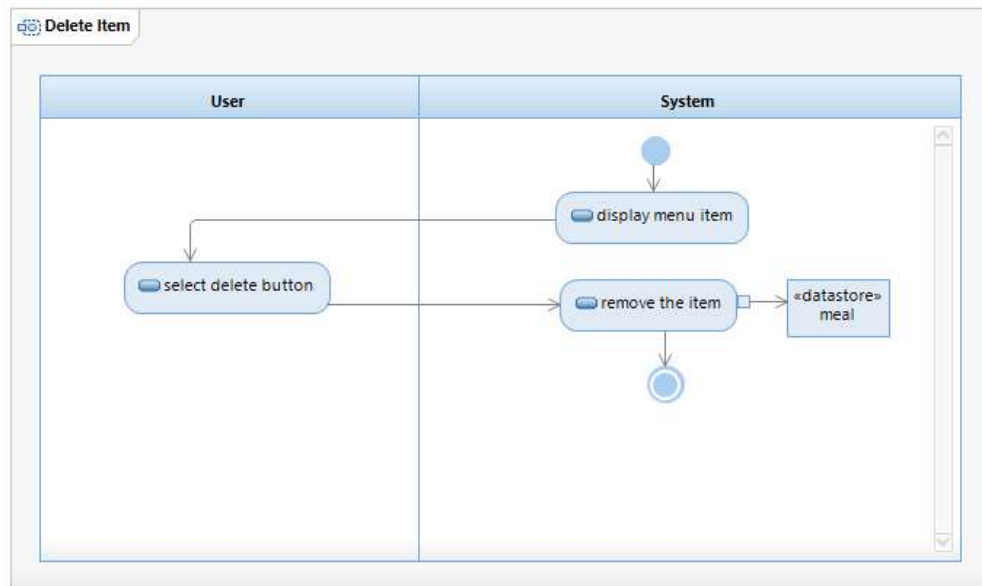
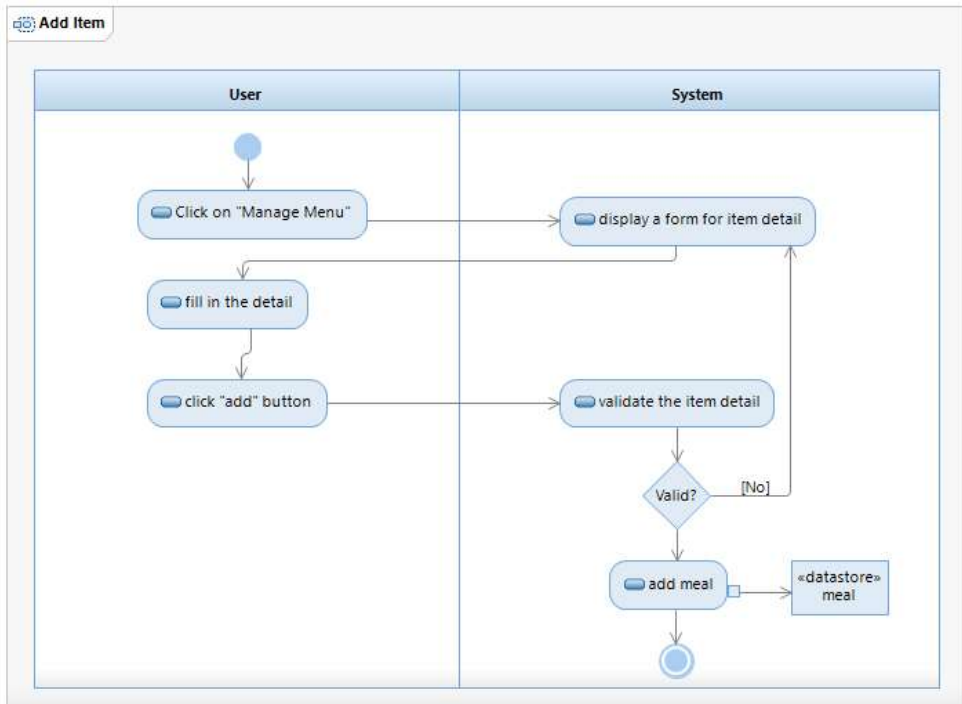
Use Case Name	Delete Item
Actor	Store Manager
Pre-Condition	User must login in to their account and display all the item in the menu
Actor Action	System Response
User click on "delete" button	
Alternative Flow	
User click back button, system redirect user back to first page of this module	

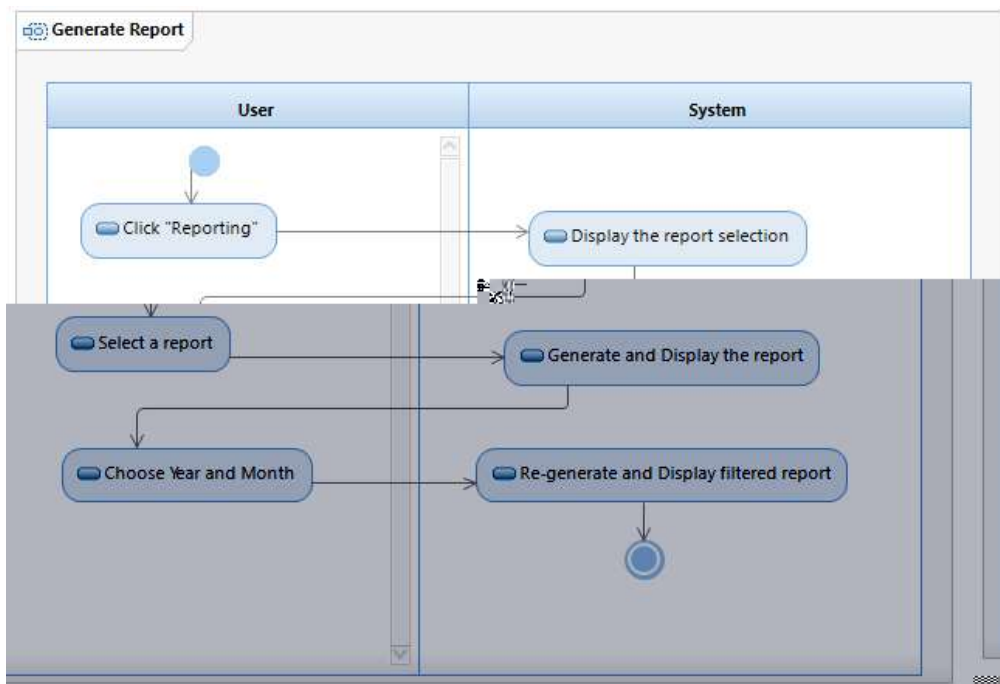
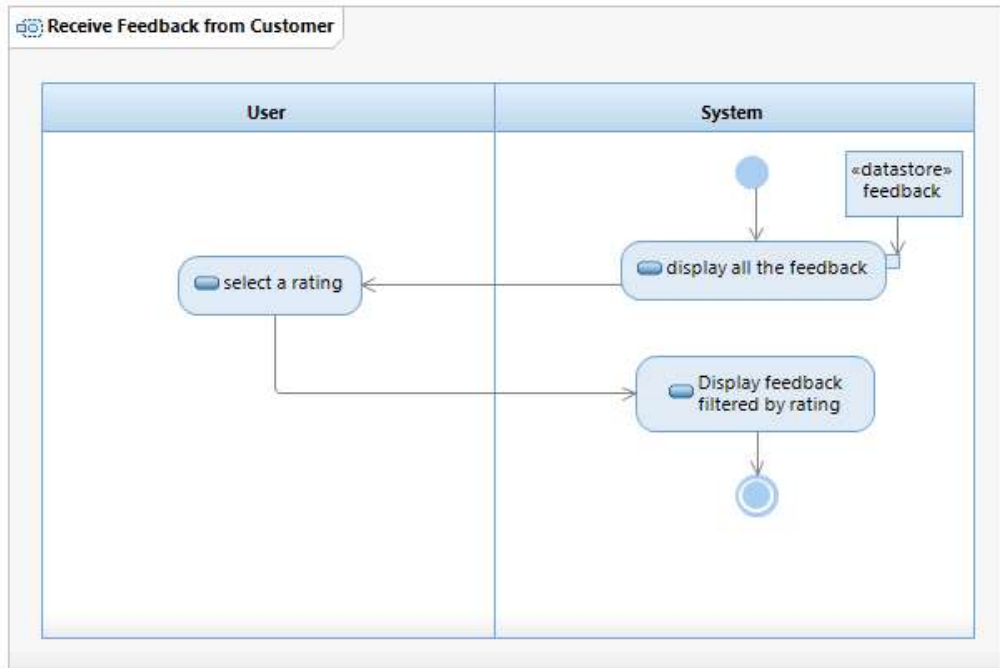
Use Case Name	Receive Feedback from Customers	
Actor	Store Manager	
Pre-Condition	User must login in to their account	
Actor Action		System Response
1. Click on "View Feedback" on menu 3. Change to filter by star rating		2. System display all the feedback in list
Alternative Flow		
1. User click back button, system redirect user back to first page of this module		
Post-Condition	-	

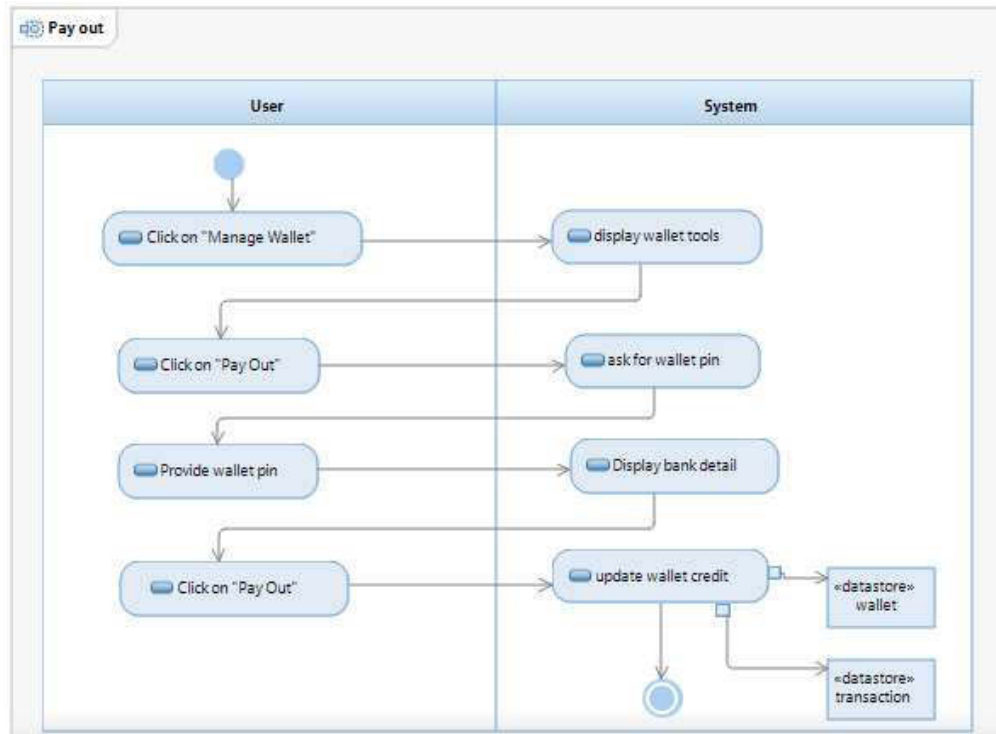
Use Case Name	Generate Report	
Actor	Store Manager	
Pre-Condition	User must login in to their account	
Actor Action		System Response
1. Click on "Reporting" 3. Select a report 5. Change "Year" and "Month"		2. Display the report selection 4. Display the selected report 6. Display the filtered report
Alternative Flow		
1. User click back button, system redirect user back to first page of this module		
Post-Condition	System generated the report and display for user	

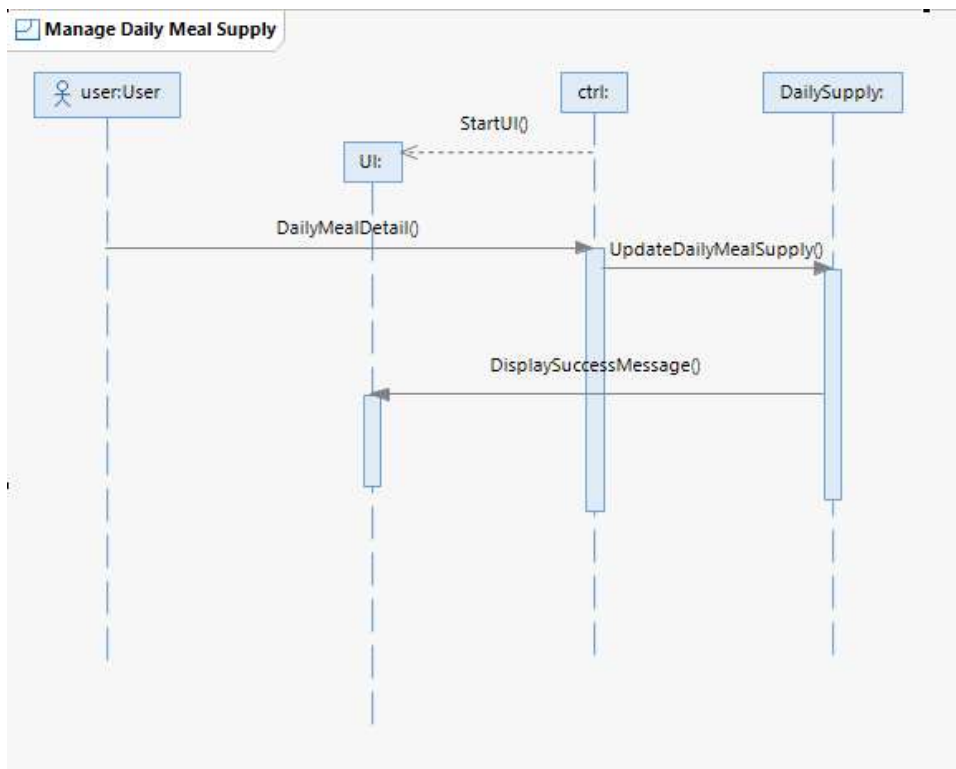
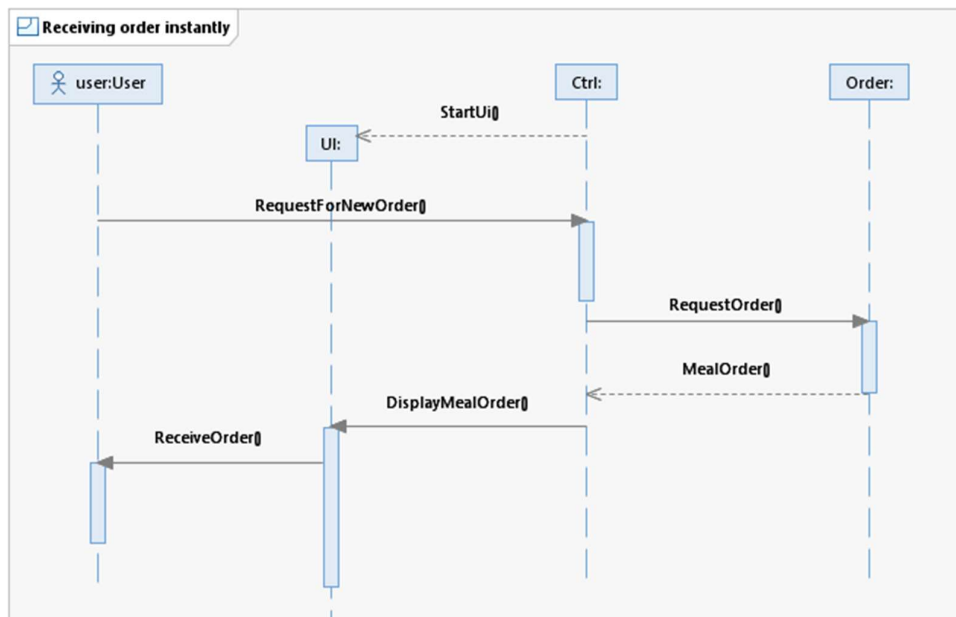
Use Case Name	Pay Out	
Actor	Store Manager	
Pre-Condition	User must login in to their account and display the wallet menu	
Actor Action	System Response	
1. Click on "Manage Wallet" on menu	2. Display wallet tools	
3. click on "Pay Out"	4. Ask for wallet pin	
5. Input wallet pin	6. display user bank detail	
7. Click "Pay out"		
Alternative Flow		
1. User click back button, system redirect user back to first page of this module		
3. Stay at Manage Wallet page if credit is zero		
5. Click on "Cancel" to go back to Manage Wallet page		
6. Go to update bank detail by clicking "Update Bank Detail"		
Post-Condition	System update the wallet credit to zero and add the transaction into database	

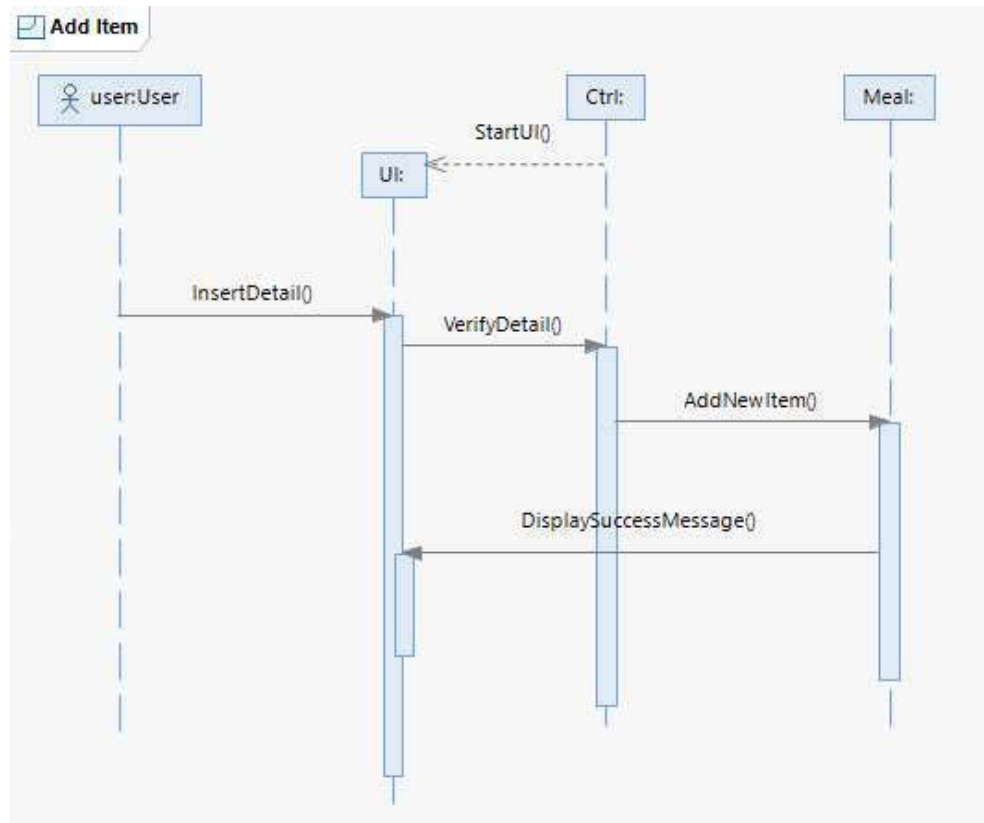


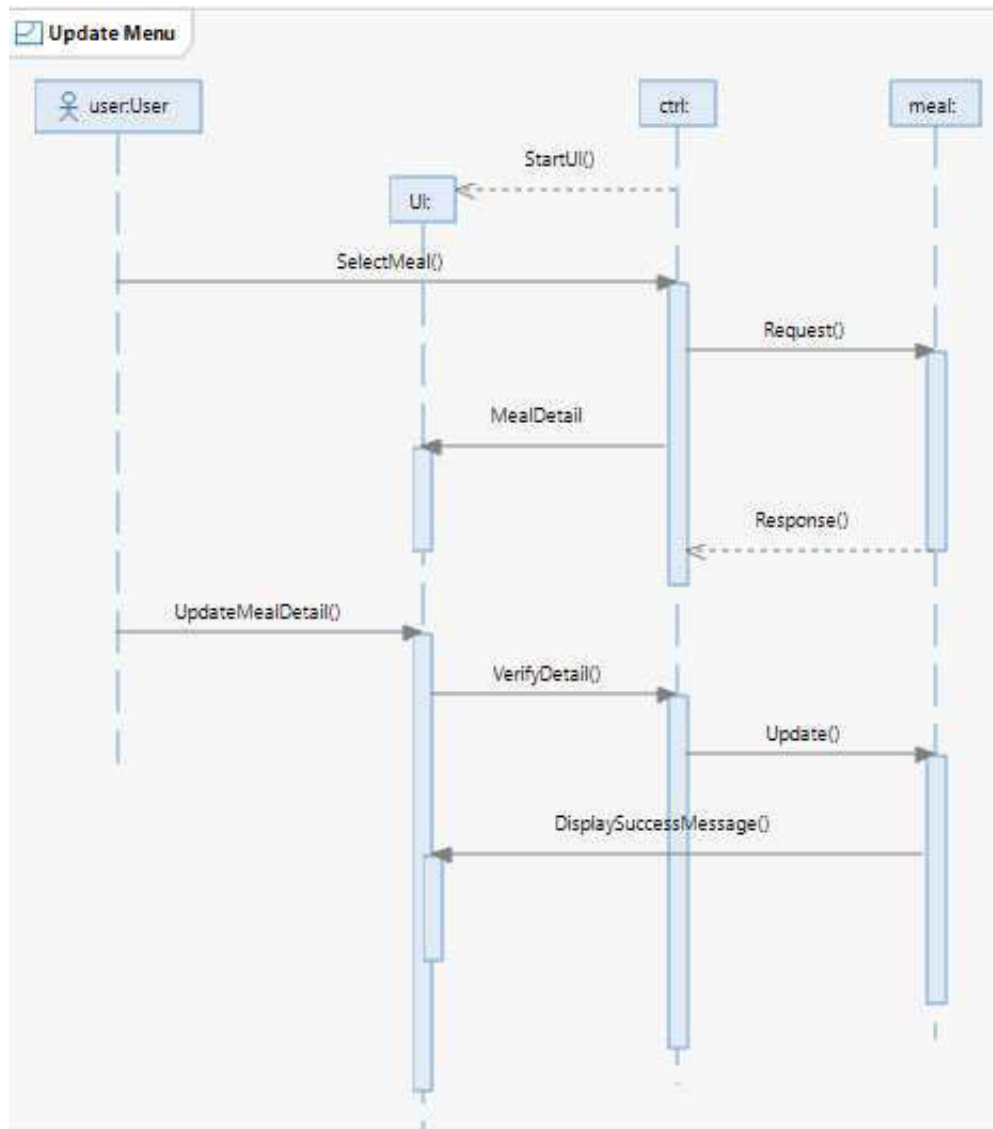


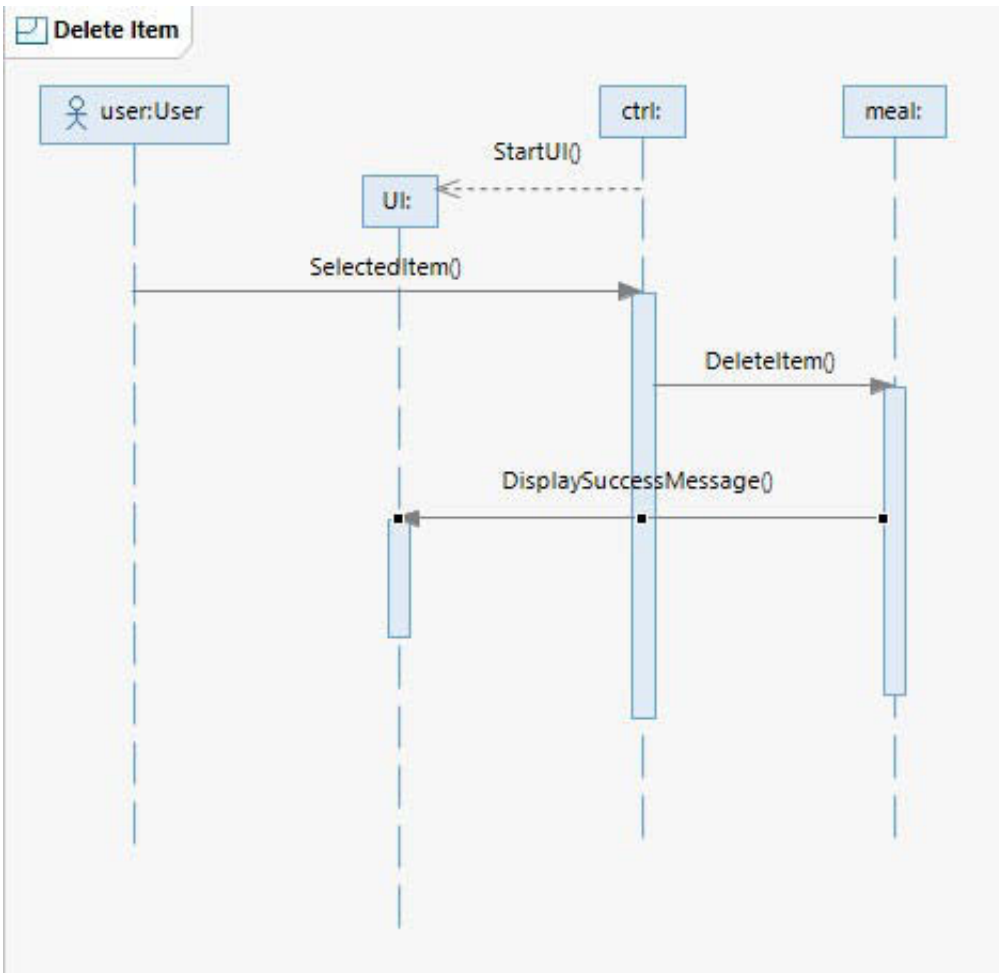


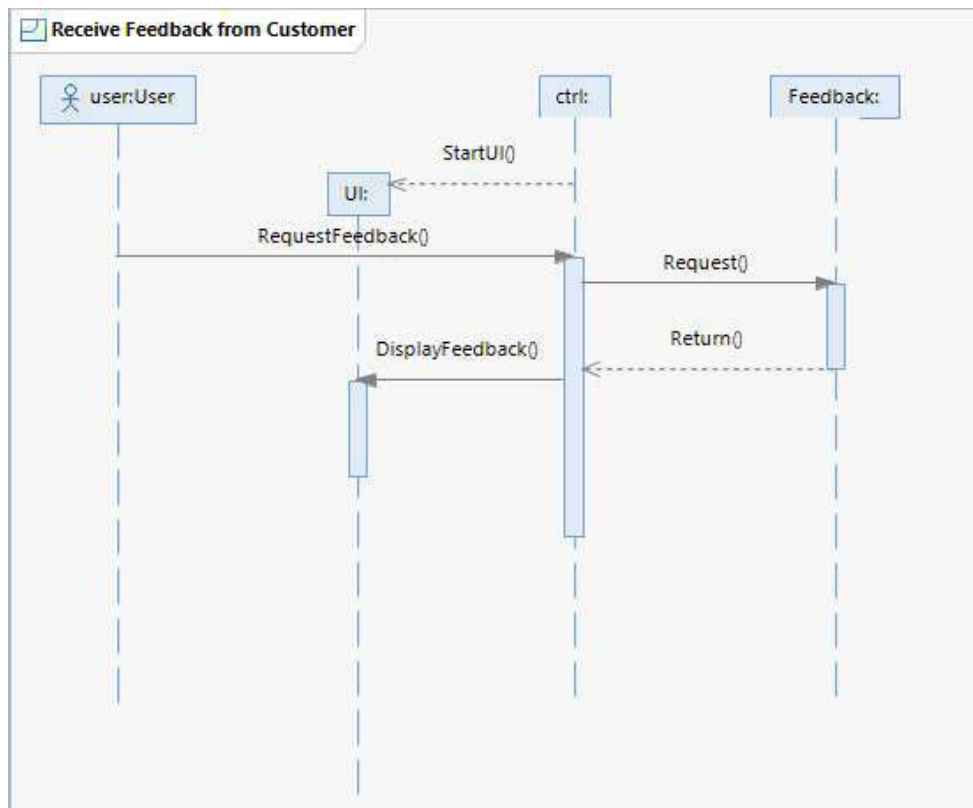


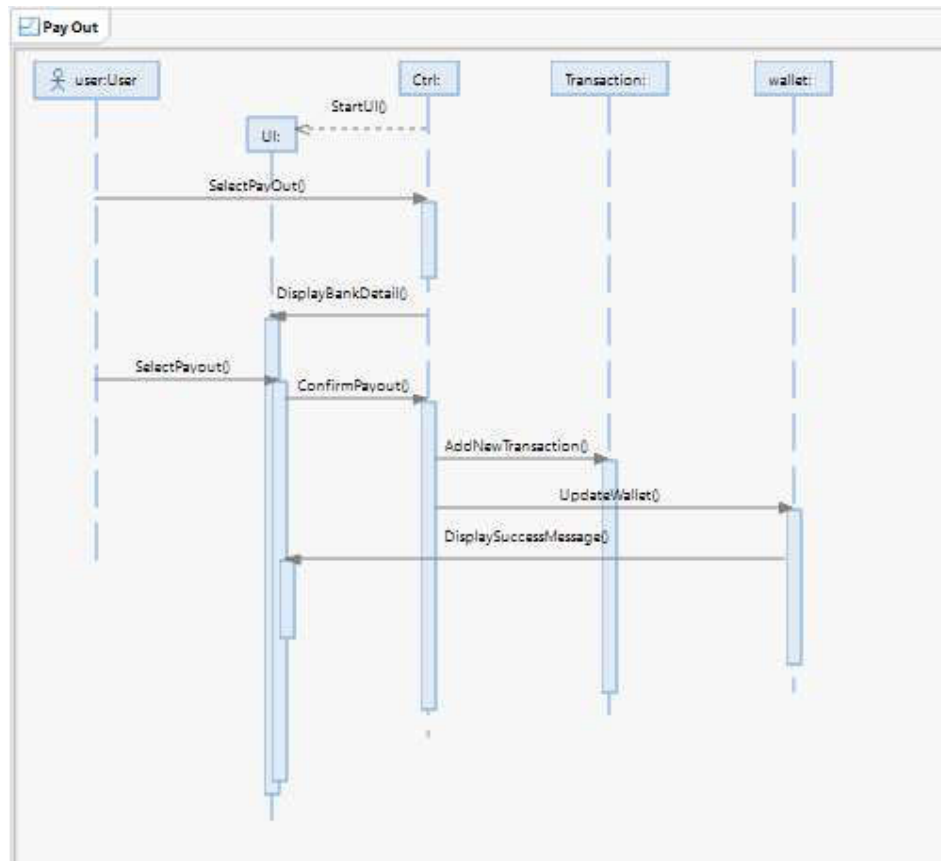


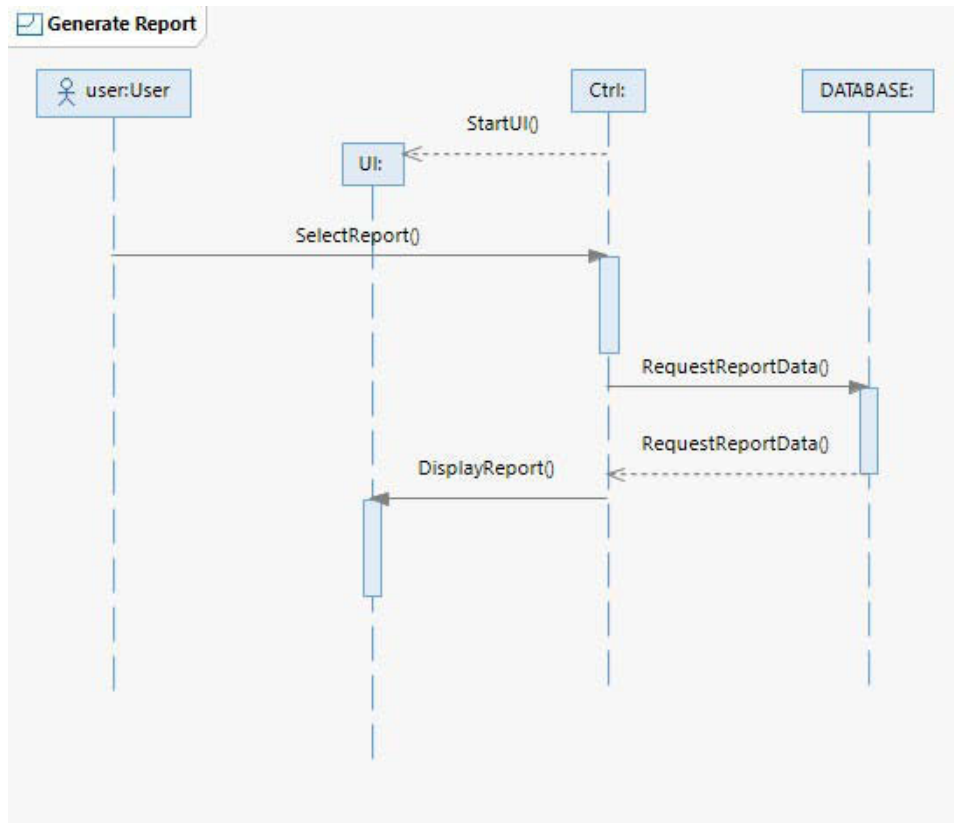


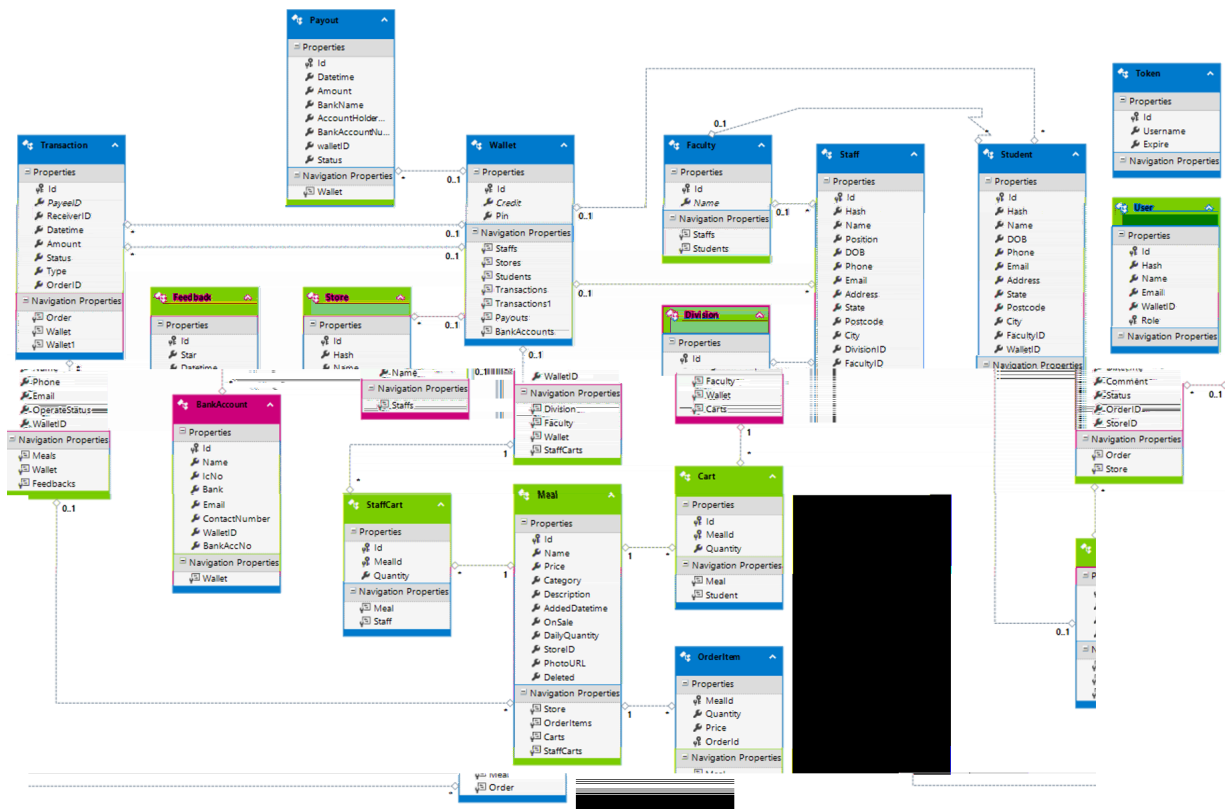


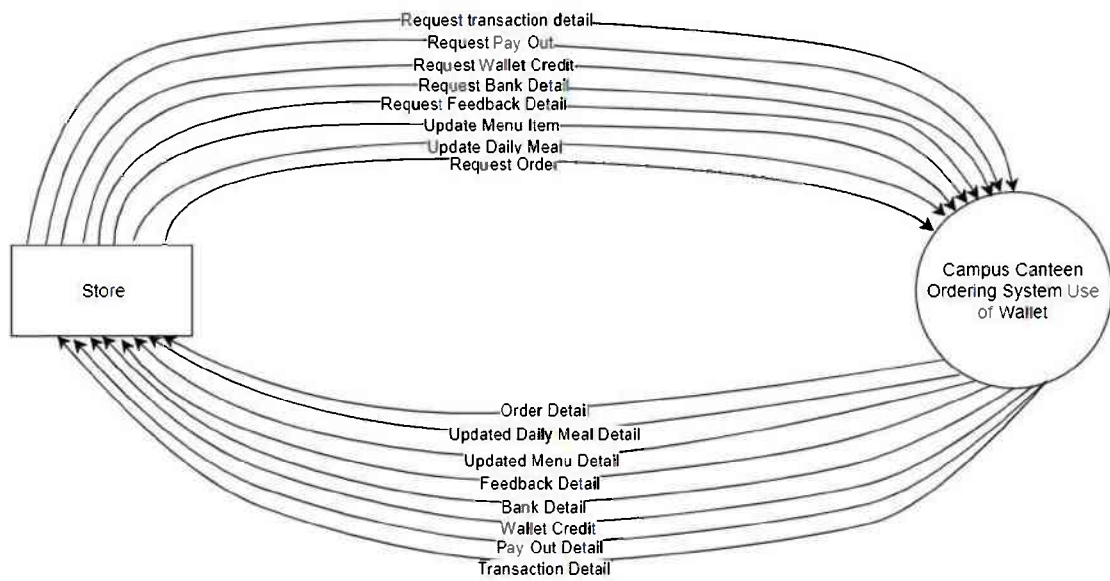


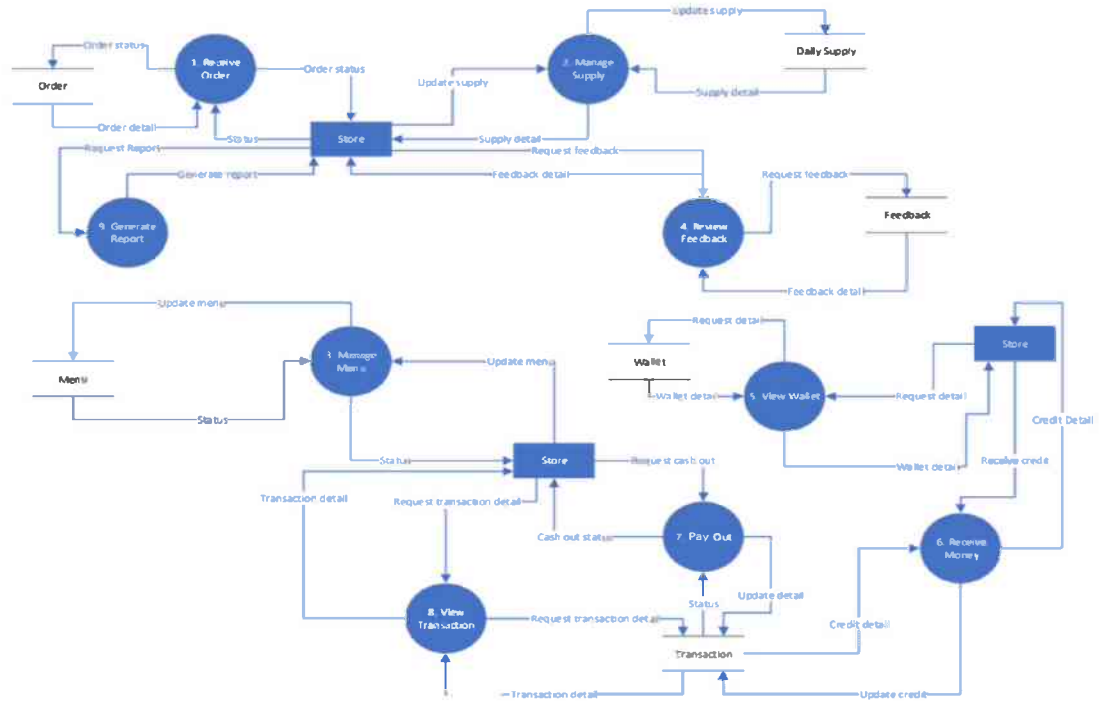












5.1 Test Plan

5.1.1 Admin – Manage Store

	Lee Man Hin		RIT3
	Campus Canteen Ordering System Management		1
	Admin – Manage Store		
	Admin		
	1. User must login before action		
	2.		
	1.		
	2.		

¹Pre-requisites refer to the modules which supply inputs to the module under testing.

²Dependencies refer to the modules which would accept outputs from the module under testing.

1	Add new stores with all valid detail	The user key in all the valid detail	The new store added into database and user receive an email	The new store added into database and user receive an email	P	
2	Add new store with all empty detail	The user does not key in any detail	Prompt error message	Prompt error message	P	
3	Add new store with any invalid detail	The user key in phone number in character and invalid email	Prompt error message	Prompt error message	P	

5.1.2 Admin – Add Staff

	Lee Man Hin		RIT3
	Campus Canteen Ordering System Management		2
	Admin – Add Staff		
	Admin		
	1. User must login before action		
	2.		
	1.		
	2.		

¹Pre-requisites refer to the modules which supply inputs to the module under testing.

²Dependencies refer to the modules which would accept outputs from the module under testing.

1	Add new staffs with all valid detail	The user key in the all the valid detail	The new staff added into database and customer receive an email	The new staff added into database and customer receive an email	P	
2	Add new staff with all empty detail	The user does not key in any detail	Prompt error message	Prompt error message	P	
3	Add new staff with any invalid detail	The user key in any of the invalid detail	Prompt error message	Prompt error message	P	

5.1.3 Admin – Add Student

	Lee Man Hin		RIT3
	Campus Canteen Ordering System Management		3
	Admin – Add Student		
	Admin		
	1. User must login before action		
	2.		
	1.		
	2.		

¹Pre-requisites refer to the modules which supply inputs to the module under testing.

²Dependencies refer to the modules which would accept outputs from the module under testing.

1	Add new student with all valid details	The user key in the detail	The new student added into database and user receive an email	The new student added into database and user receive an email	P	
2	Add new student with all empty detail	The user does not key in any detail	Prompt error message	Prompt error message	P	
3	Add new student with any invalid detail	The user key in any of the invalid detail	Prompt error message	Prompt error message	P	

5.1.4 Admin – Recover Menu

	Lee Man Hin		RIT3
	Campus Canteen Ordering System Management		4
	Admin – Recover Menu		
	Admin		
	1. User must login before action		
	2.		

	1.	
	2.	

¹Pre-requisites refer to the modules which supply inputs to the module under testing.

²Dependencies refer to the modules which would accept outputs from the module under testing.

1	Recover the deleted menu item back	The user click on the recover menu button	The menu recover back and display back to store interface	The menu recover back and display back to store interface	P	

5.1.5 Store – Cooked

	Lee Man Hin		RIT3
	Campus Canteen Ordering System Management		5
	Store – Cooked		
	Store		
	1. User must login before action		
	2. Must have new order item		
	1.		
	2.		

¹Pre-requisites refer to the modules which supply inputs to the module under testing.

²Dependencies refer to the modules which would accept outputs from the module under testing.

1	Represent the meal is cooked	The user click on cooked button	The item removed from the new order list and Customer receive an email with barcode	The item removed from the new order list and Customer receive an email with barcode	P	

5.1.6 Store – Collected

	Lee Man Hin		RIT3
	Campus Canteen Ordering System Management		6
	Store – Collected		
	Store		
	1. User must login before action		
	2. Must have collection item		
	1.		
	2.		

¹Pre-requisites refer to the modules which supply inputs to the module under testing.

²Dependencies refer to the modules which would accept outputs from the module under testing.

1	Represent the meal is collected	The user click on collected button or scan the barcode	The item removed from the collection list	The item removed from the collection list	P	

5.1.7 Store – Add New Menu

	Lee Man Hin		RIT3
	Campus Canteen Ordering System Management		7
	Store – Add New Menu		
	Store		
	1. User must login before action		
	2.		
	1.		
	2.		

¹Pre-requisites refer to the modules which supply inputs to the module under testing.

²Dependencies refer to the modules which would accept outputs from the module under testing.

1	Add new menu item	The user key in the detail and upload a photo	The item added into database and display in meal items list	The item added into database and display in meal items list	P	
2	Add new menu item with all empty detail	The user does not key in any detail	Prompt error message	Prompt error message	P	
3	Add new menu item with any invalid detail	The user key in any of the invalid detail	Prompt error message	Prompt error message	P	

5.1.8 Store – Delete Meal

	Lee Man Hin		RIT3
	Campus Canteen Ordering System Management		8
	Store – Delete Meal		
	Store		
	1. User must login before action		
	2.		
	1.		
	2.		

¹Pre-requisites refer to the modules which supply inputs to the module under testing.

²Dependencies refer to the modules which would accept outputs from the module under testing.

1	Remove the menu item from the menu	The user click on delete hyperlink of certain item	The item removed from the menu list	The item removed from the menu list	P	

5.1.9 Store – Setup Daily Menu On Sales

	Lee Man Hin		RIT3
	Campus Canteen Ordering System Management		9
	Store – Setup daily menu on sales		
	Store		
	1. User must login before action		
	2. Must have at least 1 menu item		
	1.		
	2.		

¹Pre-requisites refer to the modules which supply inputs to the module under testing.

²Dependencies refer to the modules which would accept outputs from the module under testing.

1	Set the daily meal with quantity	The user click on the checkbox OR update the quantity	The item status or quantity updated	The item status or quantity updated	P	

5.1.10 Store – Top Ordered Meal Report

	Lee Man Hin		RIT3
	Campus Canteen Ordering System Management		10
	Store – Top Ordered Meal Report		
	Store		
	1. User must login before action		
	2.		
	1.		
	2.		

¹Pre-requisites refer to the modules which supply inputs to the module under testing.

²Dependencies refer to the modules which would accept outputs from the module under testing.

1	Display the top ordered meal report	The user choose year and month	The report display according to selected year and month	The report display according to selected year and month	P	

5.1.11 Store – Yearly Sales Report

	Lee Man Hin		RIT3
	Campus Canteen Ordering System Management		11
	Store – Yearly Sales Report		
	Store		
	1. User must login before action		
	2.		
	1.		
	2.		

¹Pre-requisites refer to the modules which supply inputs to the module under testing.

²Dependencies refer to the modules which would accept outputs from the module under testing.

1	Display the yearly sales report	The user choose year	The report display according to selected year	The report display according to selected year	P	

5.1.12 Wallet – View Store Transaction

	Lee Man Hin		RIT3
	Campus Canteen Ordering System Management		12
	Wallet – View Store Transaction		
	Store		
	1. User must login before action		
	2. User must have transaction history		
	1.		
	2.		

¹Pre-requisites refer to the modules which supply inputs to the module under testing.

²Dependencies refer to the modules which would accept outputs from the module under testing.

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5.1.13 Wallet – Payout

	Lee Man Hin		RIT3
	Campus Canteen Ordering System Management		13
	Wallet – Payout		
	Store		
	1. User must login before action		
	2. User must credit in the wallet		
	3. User must have stored bank info in system		
	1.		
	2.		

¹Pre-requisites refer to the modules which supply inputs to the module under testing.

²Dependencies refer to the modules which would accept outputs from the module under testing.

1	Payout all the credit a store have	User check for bank info and click payout button	The wallet credit will be cleared and added to transaction	The wallet credit will be cleared and added to transaction	P	

5.1.14 Wallet – Set Bank Info

	Lee Man Hin		RIT3
	Campus Canteen Ordering System Management		14
	Wallet – Set Bank Info		
	Store		
	1. User must login before action		
	2.		
	1.		
	2.		

¹Pre-requisites refer to the modules which supply inputs to the module under testing.

²Dependencies refer to the modules which would accept outputs from the module under testing.

1	Store a bank info in the system for payout purpose	The user key in the detail	The bank info stored in the database	The bank info stored in the database	P	
2	Store a bank info with all empty detail	The user does not key in any detail	Prompt error message	Prompt error message	P	

5.1.15 Wallet – Update Bank Info

	Lee Man Hin				RIT3	
	Campus Canteen Ordering System Management				15	
	Wallet – Update Bank Info					
	Store					
	1. User must login before action					
	2.					
	1.					
	2.					

¹Pre-requisites refer to the modules which supply inputs to the module under testing.

²Dependencies refer to the modules which would accept outputs from the module under testing.

1	Update a bank info in the system for payout purpose	The user key in the detail	The bank info update in the database	The bank info update in the database	P	
2	Store a bank info with all empty detail	The user does not key in any detail	Prompt error message	Prompt error message	P	

5.1.16 Wallet – Store Valid Wallet Pin

	Lee Man Hin		RIT3
	Campus Canteen Ordering System Management		15
	Wallet – Store Valid Wallet Pin		
	Store		
	1. User must login before action		
	2.		
	1.		
	2.		

¹Pre-requisites refer to the modules which supply inputs to the module under testing.

²Dependencies refer to the modules which would accept outputs from the module under testing.

1	To validate the wallet pin with valid pin	The user key in the correct wallet pin	Redirect to payout page if pin matched	Redirect to payout page if pin matched	P	
2	To validate the wallet pin with invalid pin	The user key in the wrong wallet pin	Prompt error message	Prompt error message	P	

5.2 Chapter Summary and Evaluation

for Orca now! *Features | Orca Business Operating System | Apply*

Management All You Need To Know About Restaurant Inventory

SDLC - Waterfall Model

Flexischools online ordering solution for Combined K-12 Schools

SWT smart canteen management software,

Methods & Applications of Observational Research

interviews - Research-Methodology

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Automatic Order Management System for Restaurants

Canteen Food Ordering and Management System

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