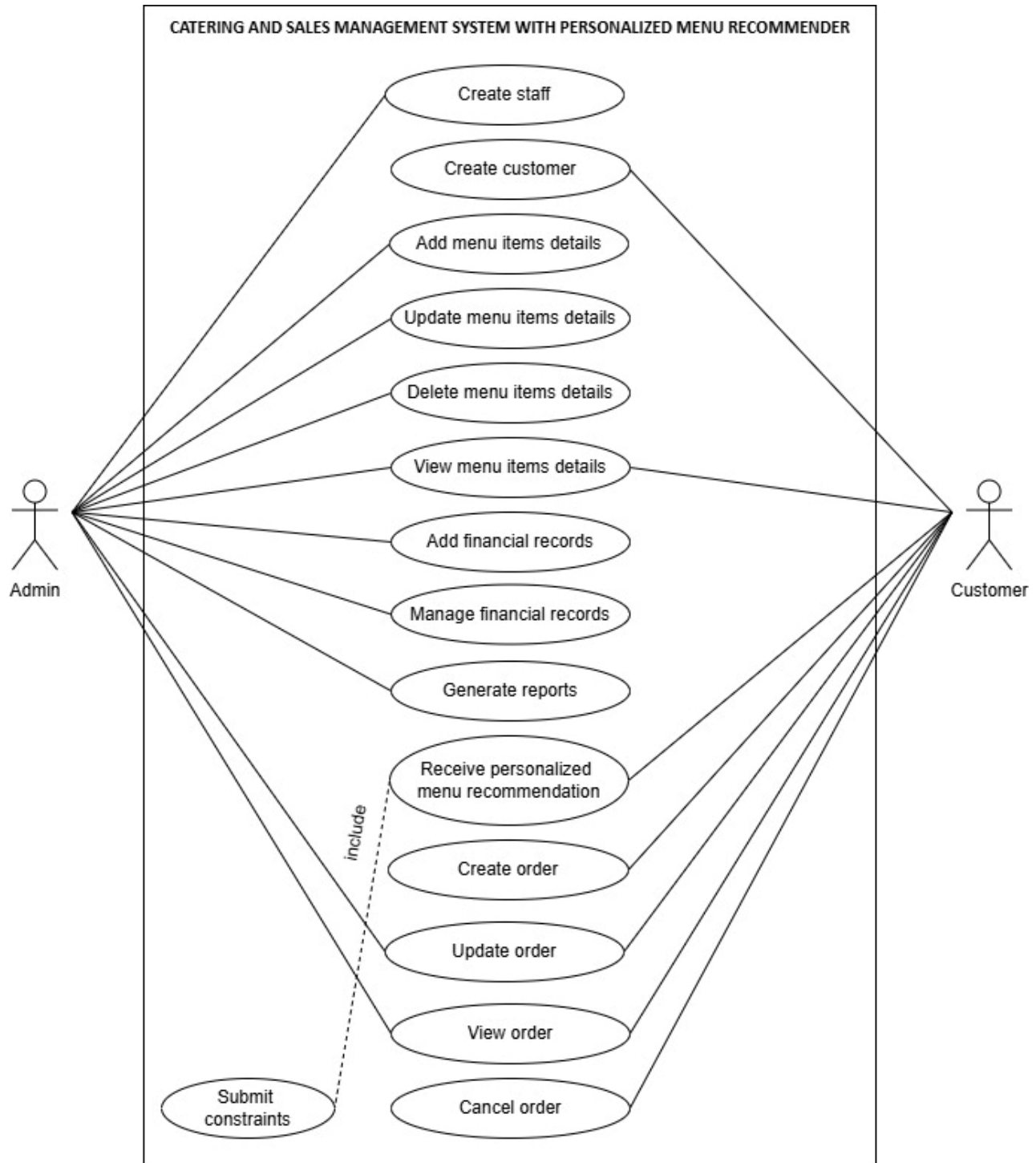


3 System Features

3.0 Use Case Diagram



3.1 Use Case Description

3.1.1 UCD001 – CREATE ADMIN

Use Case ID:	UCD001		
Use Case Name:	Create admin		
Created By:	Anis Syahira Binti Zulkefli	Last Updated By:	Anis Syahira Binti Zulkefli
Date Created:	27/3/2025	Date Last Updated:	9/4/2025

Actor:	Admin.	
Description:	The admin should create an account to access the system.	
Preconditions:	The admin has not registered on the system before.	
Postconditions:	The admin account has successfully been registered.	
Priority:	High	
Frequency of Use:	Medium	
Normal Course of Events:	Actor	System
	1. Admin navigate to registration page. 2. The admin provides required information. 3. Admin submits the application.	1.1 System prompts the basic information form to be filled. 2.1 System creates the admin account. 3.1 The information is saved.
Alternative Courses:	N/A	
Exceptions:	i. The admin basic information is incomplete. ii. The admin did not click the submit button.	
Includes:	N/A	
Notes and Issues:	N/A	

3.1.2 UCD002 – CREATE CUSTOMER

Use Case ID:	UCD002		
Use Case Name:	Create customer		
Created By:	Anis Syahira Binti Zulkefli	Last Updated By:	Anis Syahira Binti Zulkefli
Date Created:	27/3/2025	Date Last Updated:	9/4/2025

Actor:	Customer.	
Description:	The customer should create an account to access the system.	
Preconditions:	The customer has not registered on the system before.	
Postconditions:	The customer account has successfully been registered.	
Priority:	High	
Frequency of Use:	Medium	
Normal Course of Events:	Actor	System
	1. Customer navigate to registration page.	1.1 System prompts the basic information form to be filled.
	2. The customer provides required information.	2.1 System creates the customer account.
	3. Customer submits the application.	3.1 The information is saved.
Alternative Courses:	N/A	
Exceptions:	i. The customer basic information is incomplete. ii. The customer did not click the submit button.	
Includes:	N/A	
Notes and Issues:	N/A	

3.1.3 UCD003 – ADD MENU ITEMS DETAILS

Use Case ID:	UCD003		
Use Case Name:	Add Menu Items Details		
Created By:	Anis Syahira Binti Zulkefli	Last Updated By:	Anis Syahira Binti Zulkefli
Date Created:	27/3/2025	Date Last Updated:	9/4/2025

Actor:	Admin.	
Description:	The admin adds menu items details by entering complete information of the menu items.	
Preconditions:	The complete information of the menu items must be identified first.	
Postconditions:	Details of the menu items is successfully added and saved into the system.	
Priority:	High	
Frequency of Use:	High	
Normal Course of Events:	Actor	System
	1. Admin navigate to Menu page and click on Add Menu button. 2. Admin fills in the complete information for the details of the menu items into the system. 3. Admin click the submit button.	1.1 System displays the menu item details form. 2.1 System validates the entered information. 3.1 The menu items details are saved.
Alternative Courses:	N/A	
Exceptions:	i. The menu item details are incomplete. ii. The admin did not click the submit button.	
Includes:	N/A	

Notes and Issues:	The menu items details include the name, category, price, suitable number of pax, serving type and event type.
-------------------	--

3.1.4 UCD004 - UPDATE MENU ITEMS DETAILS

Use Case ID:	UCD004		
Use Case Name:	Update Menu Items Details		
Created By:	Anis Syahira Binti Zulkefli	Last Updated By:	Anis Syahira Binti Zulkefli
Date Created:	27/3/2025	Date Last Updated:	9/4/2025

Actor:	Admin.	
Description:	The admin can edit the existing menu details, including updating price or other information to ensure accuracy.	
Preconditions:	The menu items must be identified to which to being updated.	
Postconditions:	The menu items details are successfully updated in the system.	
Priority:	High	
Frequency of Use:	Medium	
Normal Course of Events:	Actor	System
	1. Admin navigate to the Menu page.	1.1 System will display the list of existing menu items.
	2. Admin selects a menu item and modifies the necessary details.	2.1 System will validate the changes.
	3. Admin click button submit.	3.1 System updates the menu item details and confirms the update.
Alternative Courses:	N/A	
Exceptions:	i. Admin click the cancel button if they decide not to proceed with the update. ii. Admin did not click button submit to submit the changes.	
Includes:	N/A	
Notes and Issues:	Admin is allowed to update all the menu items details.	

3.1.5 UCD005 - DELETE MENU ITEMS DETAILS

Use Case ID:	UCD005		
Use Case Name:	Delete Menu Items Details		
Created By:	Anis Syahira Binti Zulkefli	Last Updated By:	Anis Syahira Binti Zulkefli
Date Created:	27/3/2025	Date Last Updated:	9/4/2025

Actor:	Admin.	
Description:	The admin can delete existing menu items details.	
Preconditions:	The menu items details must be available in the system.	
Postconditions:	The existing menu items details will be permanently deleted.	
Priority:	High	
Frequency of Use:	Low	
Normal Course of Events:	Actor	System
	1. Admin navigate to the Menu page.	1.1 System will display the list of existing menu items details.
	2. Admin selects the menu items to delete.	2.1 System highlights the selected menu item
	3. Admin clicks the "Delete" button.	3.1 System prompts a confirmation message to delete the menu items details.
	4. Admin clicks the "OK" button to confirm deletion.	4.1 System deletes the menu items details.
Alternative Courses:	N/A	
Exceptions:	Admin click cancel button if they decide not to delete the menu item.	
Includes:	N/A	
Notes and Issues:	Once menu items details are deleted, the admin needs to create new menu items details.	

3.1.6 UCD006 – VIEW MENU ITEMS DETAILS

Use Case ID:	UCD006		
Use Case Name:	View Menu Items Details		
Created By:	Anis Syahira Binti Zulkefli	Last Updated By:	Anis Syahira Binti Zulkefli
Date Created:	27/3/2025	Date Last Updated:	9/4/2025

Actor:	Admin and Customer	
Description:	The admin and customer can view the existing or any updated menu items details in the system.	
Preconditions:	The admin and customer must have their own personal account and be logged into the system.	
Postconditions:	The existing or updated menu items details can be viewed.	
Priority:	High	
Frequency of Use:	Medium	
Normal Course of Events:	Actor	System
	1. Users navigate to the Menu page.	1.1 The system will display the page showing all menu items details available.
Alternative Courses:	N/A	
Exceptions:	Only existing menu items that has not been deleted will display on menu items list.	
Includes:	N/A	
Notes and Issues:	Admin and customer with valid account have access to view the menu items details.	

3.1.7 UCD007 – ADD FINANCIAL RECORDS

Use Case ID:	UCD007		
Use Case Name:	Manage Customer Orders		
Created By:	Anis Syahira Binti Zulkefli	Last Updated By:	Anis Syahira Binti Zulkefli
Date Created:	27/3/2025	Date Last Updated:	9/4/2025

Actor:	Admin	
Description:	The admin is responsible for entering new financial records, such as daily or monthly business expenses and sales data. The system will automatically calculate profits based on the newly recorded data.	
Preconditions:	<ul style="list-style-type: none"> i. The admin must be logged into the system. ii. The financial records, including expenses and sales data, must be identified and available for entry. 	
Postconditions:	<ul style="list-style-type: none"> i. The financial record is successfully saved in the system. ii. The system automatically calculates and displays profits based on the new entry. 	
Priority:	High	
Frequency of Use:	High	
Normal Course of Events:	Actor	System
	<ul style="list-style-type: none"> 1. Admin navigates to the Finance page and click Add New Record button. 2. Admin inputs expenses and sales data. 3. Admin clicks the submit button. 4. Admin clicks calculate profit button. 	<ul style="list-style-type: none"> 1.1 System displays the empty financial record entry form. 2.1 System validates the entered data. 3.1 System saves the financial record. 4.1 System displays calculated profits.
Alternative Courses:	Admin may review the record before submitting.	
Exceptions:	<ul style="list-style-type: none"> i. The entered data is incomplete or missing required fields or invalid values are detected. ii. Admin did not click the submit button. 	

Includes:	N/A
Notes and Issues:	<ul style="list-style-type: none">i. Data entered includes expenses, sales figures, and related financial details.ii. The system performs automatic profit calculation upon submission.

3.1.8 UCD008 – MANAGE FINANCIAL RECORDS

Use Case ID:	UCD008		
Use Case Name:	Manage Financial Records		
Created By:	Anis Syahira Binti Zulkefli	Last Updated By:	Anis Syahira Binti Zulkefli
Date Created:	27/3/2025	Date Last Updated:	9/4/2025

Actor:	Admin	
Description:	The admin can view, update, or delete existing financial records to ensure accurate tracking of the business's financial activities. The system updates profit calculations accordingly after each modification or deletion.	
Preconditions:	<ul style="list-style-type: none"> i. The admin must be logged into the system. ii. The financial records, including expenses and sales data must exist in the system. 	
Postconditions:	<ul style="list-style-type: none"> i. The updated or deleted financial records are reflected in the system. ii. Profit calculations are recalculated and displayed correctly. 	
Priority:	High	
Frequency of Use:	High	
Normal Course of Events:	Actor	System
	1. Admin navigate to Finance page.	1.1 System displays the list of existing financial records.
	2. Admin chooses to view, update, or delete a record.	2.1 System retrieves and displays the selected record.
	3. Admin modifies or deletes the selected record.	3.1 System validates the action and updates/deletes the record.
	4. Admin confirms the changes.	4.1 System saves the changes and recalculates the updated profit.

Alternative Courses:	Admin can cancel the action at any time before confirming changes.
Exceptions:	<ul style="list-style-type: none">i. The selected record does not exist.ii. The entered data is incomplete or invalid.
Includes:	N/A
Notes and Issues:	N/A

3.1.9 UCD009 – GENERATE REPORTS

Use Case ID:	UCD009		
Use Case Name:	Generate Reports		
Created By:	Anis Syahira Binti Zulkefli	Last Updated By:	Anis Syahira Binti Zulkefli
Date Created:	27/3/2025	Date Last Updated:	9/4/2025

Actor:	Admin	
Description:	The admin can generate various reports such as sales report, expenses report and profit reports.	
Preconditions:	The system must contain relevant data of sales records, and business expenses.	
Postconditions:	i. The selected report is successfully generated and displayed. ii. The admin can download or print the report for further analysis.	
Priority:	High	
Frequency of Use:	Medium	
Normal Course of Events:	Actor	System
	1. Admin navigate to the report section of the Finance page.	1.1 System displays available report types.
	2. Admin selects the type of report to generate.	2.1 System retrieves relevant data for the selected report.
	3. Admin applies filters.	3.1 System processes the filters and prepares the report.
	4. Admin clicks the "Generate Report" button.	4.1 System generates the report and displays it on-screen.
	5. Admin reviews the report and decides to download, print, or export it.	5.1 System provides options to export the report in formats such as PDF or Excel.
Alternative Courses:	Admin can refine the filters and re-run the report if the generated data does not meet expectations.	

Exceptions:	<ul style="list-style-type: none">i. No data available for the selected report type.ii. Invalid filter criteria entered.
Includes:	N/A
Notes and Issues:	N/A

3.1.10 UCD010 – RECEIVE PERSONALIZED MENU RECOMMENDATIONS

Use Case ID:	UCD010		
Use Case Name:	Receive Personalized Menu Recommendations		
Created By:	Anis Syahira Binti Zulkefli	Last Updated By:	Anis Syahira Binti Zulkefli
Date Created:	27/3/2025	Date Last Updated:	9/4/2025

Actor:	Customer.	
Description:	The customer can input their constraints, and the system will recommend suitable menu items within those constraints.	
Preconditions:	i. The customer must be logged into the system. ii. The system must have available menu items.	
Postconditions:	The system successfully recommends menu items based on the constraints set by the customer.	
Priority:	High	
Frequency of Use:	High	
Normal Course of Events:	Actor	System
	1. Customer navigate to Menu page and access the menu recommendation feature. 2. Customer inputs their constraints.	1.1 System displays an input field for the available constraints. 2.1 System validates the entered constraints. Then, filters menu items that match the constraints and displays the list of recommended menu items.
Alternative Courses:	N/A	
Exceptions:	i. If the any constraints field is left blank, the system prompts the customer to enter a valid value. ii. If no menu items match the budget, the system displays a message indicating no suitable recommendations.	
Includes:	Submitting constraints that consists of budget, meal preferences, number of pax, serving type and event type.	
Notes and Issues:	The system only considers menu items available within the current database.	

3.1.11 UCD011 – CREATE ORDER

Use Case ID:	UCD011		
Use Case Name:	Create Order		
Created By:	Anis Syahira Binti Zulkefli	Last Updated By:	Anis Syahira Binti Zulkefli
Date Created:	27/3/2025	Date Last Updated:	9/4/2025

Actor:	Customer	
Description:	The customer can create a new order by selecting menu items and providing all necessary details to place order.	
Preconditions:	i. The customer must be logged into the system. ii. The customer must have selected at least one menu item.	
Postconditions:	The order details are successfully saved in the system and ready for further processing.	
Priority:	High	
Frequency of Use:	Medium	
Normal Course of Events:	Actor	System
	1. Customer navigate to Menu page and selects menu items to order.	1.1 System displays selected menu items in the order summary.
	2. Customer enters complete order details.	2.1 System validates the entered details.
	3. Customer clicks the submit button to confirm the order.	3.1 System saves the order details.
Alternative Courses:	The customer can modify order details before submission.	
Exceptions:	If required fields are incomplete or invalid, the system prompts the customer to correct them. Customer did not click the submit button.	
Includes:	N/A	
Notes and Issues:	N/A	

3.1.12 UCD012 – UPDATE ORDER

Use Case ID:	UCD012		
Use Case Name:	Update Order		
Created By:	Anis Syahira Binti Zulkefli	Last Updated By:	Anis Syahira Binti Zulkefli
Date Created:	27/3/2025	Date Last Updated:	9/4/2025

Actor:	Admin and Customer.	
Description:	Both admin and customer can update order details like item quantity or menu selection before the order is confirmed.	
Preconditions:	i. The user must be logged into the system. ii. The order must be in an editable state.	
Postconditions:	The system successfully saved and displayed the updated order details.	
Priority:	High	
Frequency of Use:	Medium	
Normal Course of Events:	Actor	System
	1. Users navigate to the Order page and select the order to be update.	1.1 System checks if the order is editable and displays a list of available order.
	2. Users fill in the new information.	2.1 System validates the input.
	3. Users click on submit button to proceed with the changes.	3.1 System saves the updated order and reflects the changes.
Alternative Courses:	Users cancel the update and returns to order page without changes.	
Exceptions:	If the order has already been processed, the system disables editing and shows a warning.	
Includes:	N/A	
Notes and Issues:	Customers can only modify orders within a specific timeframe before order processing begins.	

3.1.13 UCD013 – VIEW ORDER

Use Case ID:	UCD013		
Use Case Name:	View Order		
Created By:	Anis Syahira Binti Zulkefli	Last Updated By:	Anis Syahira Binti Zulkefli
Date Created:	27/3/2025	Date Last Updated:	9/4/2025

Actor:	Admin and Customer.	
Description:	Both admin and customer have the ability to view the complete order details.	
Preconditions:	i. The customer must be logged into the system. ii. The customer must have placed at least one order.	
Postconditions:	The system displays complete order history with detailed information.	
Priority:	High	
Frequency of Use:	Medium	
Normal Course of Events:	Actor	System
	1. Users navigate to Order page. 2. Users select an order to view.	1.1 System retrieves and displays all customer orders. 2.1 System shows the complete details of the customers' order.
Alternative Courses:	None	
Exceptions:	If no previous orders exist, the system displays a message indicating no history is available.	
Includes:	N/A	
Notes and Issues:	Order details should include menu items, total price, order status, and order date for better tracking.	

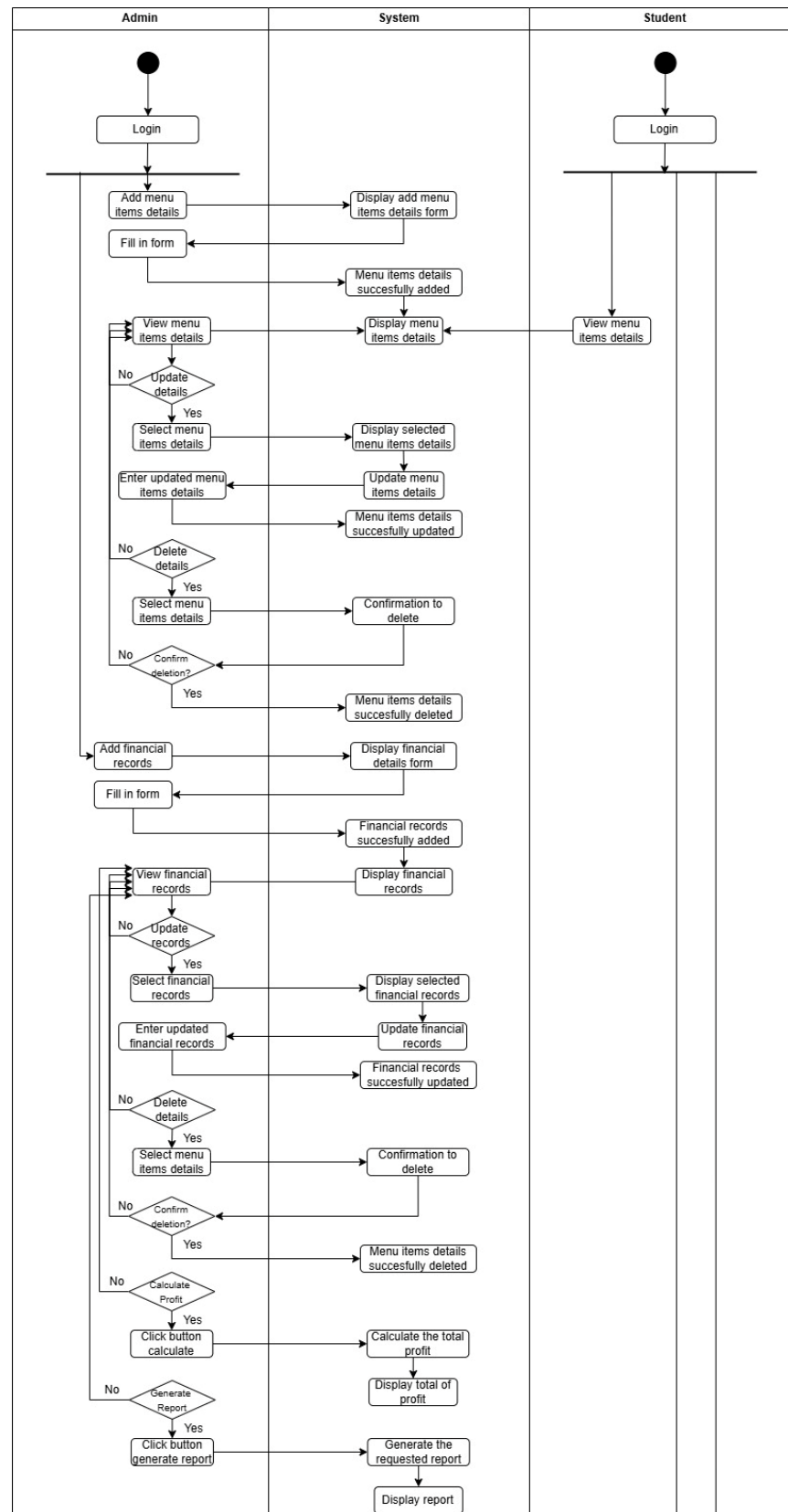
3.1.14 UCD014 – CANCEL ORDER

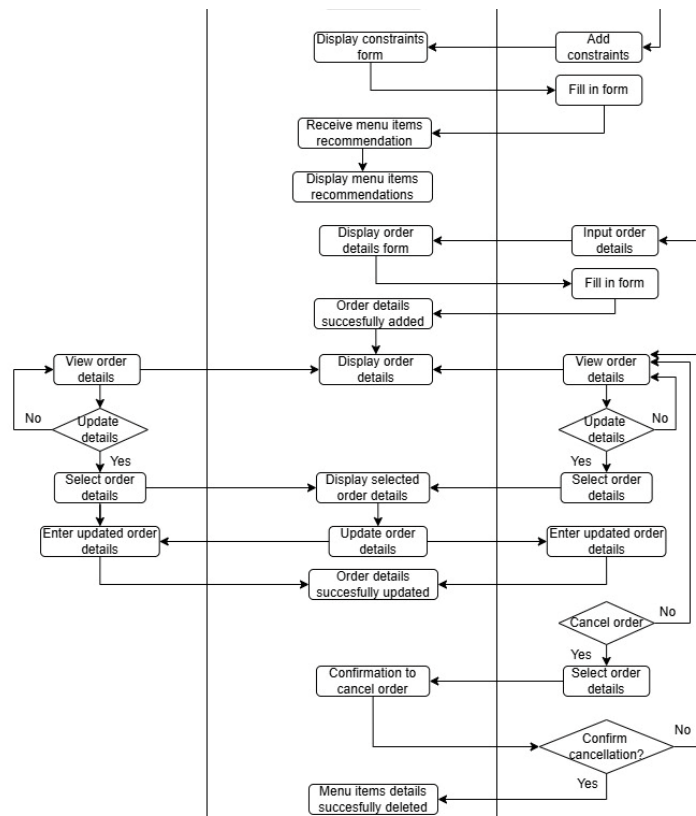
Use Case ID:	UCD014		
Use Case Name:	Cancel Order		
Created By:	Anis Syahira Binti Zulkefli	Last Updated By:	Anis Syahira Binti Zulkefli
Date Created:	27/3/2025	Date Last Updated:	9/4/2025

Actor:	Customer.	
Description:	The customer can cancel their order before the specified cut-off time.	
Preconditions:	i. The customer must be logged into the system. ii. The order must not be in a non-cancellable stage	
Postconditions:	The order status is updated to "Cancelled" and is visible in the order history.	
Priority:	High	
Frequency of Use:	Low to Medium	
Normal Course of Events:	Actor	System
	1. Customers navigate to Order page and selects and order to cancel. 2. Customers click on the cancel order button.	1.1 System checks order status and allows cancellation if permitted. 2.1 System updates the order status to "Cancelled".
Alternative Courses:	None	
Exceptions:	If the order has already been processed or delivered, the system prevents cancellation and shows an error message.	
Includes:	N/A	
Notes and Issues:	If an order is canceled, it should still be visible in the order history with a clear status indicator.	

Appendix A – REQUIREMENT MODELS

1. Business Activity Diagram





2. Class Diagram

