

SC2006 – Software Engineering Lab 2 Deliverables

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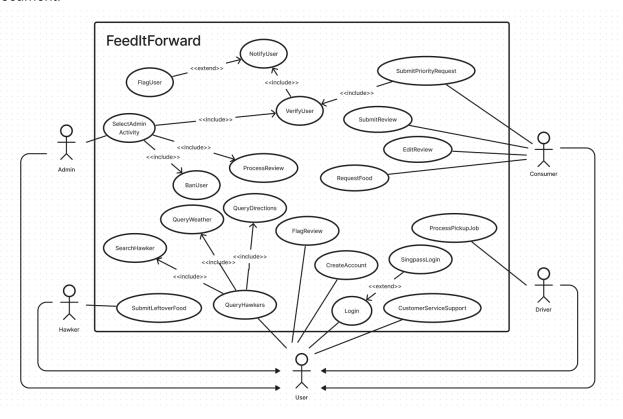
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1. Use Case Model and Use Case Description

A. Use Case Diagram

If the image is unclear, please refer to the raw png file that is uploaded together with this document.



B. Use Case Descriptions

I. For Functional Requirement #1 (Admin)

I.I SelectAdminActivity

Use Case ID:	#1-1		
Use Case	SelectAdminActivity		
Name:			
Created By:	Toh Jing Hua	Last Updated By:	Toh Jing Hua
Date Created:	10th September 2023	Date Last	10th September 2023
		Updated:	

Actor:	Admin	
Description:	Allows	Admin to select actions to take
Preconditions:	Admin	is logged in and is authenticated
Postconditions:	None	
Priority:	High	
Frequency of Use:	High	
Flow of Events:	1	The system uses the included use case Login to verify the Admin. On successful login, the system prompts the Admin to
	;	select the desired activity: BAN, VERIFYUSER, REVIEW, or QUIT.
		If the Admin selects the activity BAN, then the Admin uses the included use case BanUser to ban a user.
	1	If the Admin selects the activity VERIFYUSER, then the Admin uses the included use case VerifyUser to approve or reject a user's application for priority.
	,	If the Admin selects the activity REVIEW, then the Admin uses the included use case ProcessReview to decide whether a review is to be removed.
		If the Admin selects the activity QUIT, the system returns to the login screen.
Alternative Flows:	None	
Exceptions:	None	
Includes:	1. I	BanUser
	2. \	VerifyUser
	3. I	ProcessReview
Special Requirements:	None	
Assumptions:	None	
Notes and Issues:	None	

I.II BanUser

Use Case ID:	#1-2		
Use Case	BanUser		
Name:			
Created By:	Toh Jing Hua	Last Updated By:	Toh Jing Hua
Date Created:	10th September 2023	Date Last	10th September 2023
		Updated:	

Actor:	Admin
	-
Description:	Allows Admin to ban a User by their user ID for a specified
	duration
Preconditions:	Admin is logged in and is authenticated
Postconditions:	User is either banned or not banned by the admin
Priority:	High
Frequency of Use:	Low
Flow of Events:	 Admin inputs the user ID of the user that the Admin
	wants to ban.
	2. Admin inputs the duration of the ban.
	Admin confirms the ban by selecting CONFIRM.
Alternative Flows:	AF-S3: If Admin selects the CANCEL button
	 The system will return to the SelectAdminActivity.
Exceptions:	If the user ID is not found, the system shall display an
	error message and prompt the Admin again.
Includes:	None
Special Requirements:	None
Assumptions:	None
Notes and Issues:	None

I.III VerifyUser

Use Case ID:	#1-3		
Use Case	VerifyUser		
Name:			
Created By:	Toh Jing Hua	Last Updated By:	Toh Jing Hua
Date Created:	10th September 2023	Date Last	10th September 2023
		Updated:	

Actor:	Admin
Description:	Allows Admin to verify a User by their user ID.
Preconditions:	Admin is logged in and is authenticated
Postconditions:	The user's application is either approved, pending or rejected.
Priority:	High
Frequency of Use:	Medium
Flow of Events:	FeedItForward lists the Consumers that have
	submitted an application for priority food
	Admin selects the Consumer that the Admin wants to review.
	FeedItForward displays the Consumer's information
	and documentation and prompts the Admin to review it and to either APPROVE, REQUEST, REJECT, or CANCEL.
	Admin approves the application by selecting
	APPROVE. FeedItForward will approve the
	Consumer's application and the Consumer will now be
	a priority Consumer
	5. The Consumer will be notified using the included use
	case NotifyUser .
Alternative Flows:	AF-S4: If Admin selects REQUEST
	If the Admin selects REQUEST, the system will put the
	Consumer's application under pending and the
	Consumer will be notified to submit more documents
	using the included use case NotifyUser .
	AF-S4: If Admin selects REJECT
	If the Admin selects REJECT, the system will reject the Consumer's application and the Consumer will be
	Consumer's application and the Consumer will be notified of the rejection using the included use case
	NotifyUser.
	AF-S4: If Admin selects CANCEL
	Admin selects CANCEL Admin can select CANCEL at any time to cancel the
	operation and the system will return to the
	SelectAdminActivity.
Exceptions:	None

Includes:	NotifyUser
Special Requirements:	None
Assumptions:	None
Notes and Issues:	None

I.IV ProcessReview

Use Case ID:	#1-4		
Use Case	ProcessReview		
Name:			
Created By:	Toh Jing Hua	Last Updated By:	Toh Jing Hua
Date Created:	10th September 2023	Date Last	10th September 2023
		Updated:	

Actor:	Admin
Description:	Allows Admin to process a review for deletion or for keeping.
Preconditions:	Admin is logged in and is authenticated
Postconditions:	Flagged review is deleted or ignored.
Priority:	Medium
Frequency of Use:	Medium
Flow of Events:	 The FeedItFoward lists the reviews that have been flagged by it or the Users. Admin selects the review that the Admin wants to process. The system displays the content of the review and prompts the Admin to DELETE, IGNORE, or CANCEL. If the Admin selects DELETE, the system will delete the flagged review.
Alternative Flows:	AF-S4: If Admin selects IGNORE 1. If the Admin selects IGNORE, the system will ignore the flagged review and remove it from the list of flagged reviews. AF-S4: If Admin selects CANCEL 1. Admin can select CANCEL at any time to cancel the operation and the system will return to the SelectAdminActivity.
Exceptions:	None
Includes:	None
Special Requirements:	None
Assumptions:	None
Notes and Issues:	None

I.V NotifyUser

Use Case ID:	#1-5		
Use Case	NotifyUser		
Name:			
Created By:	Toh Jing Hua	Last Updated By:	Toh Jing Hua
Date Created:	10th September 2023	Date Last	10th September 2023
		Updated:	

Actor:	Admin	
Description:	Allows Admin to send notification to a user	
Preconditions:	Admin is logged in and is authenticated	
Postconditions:	Notification is sent.	
Priority:	Medium	
Frequency of Use:	Medium	
Flow of Events:	Admin enters the content of the notification, which may	
	contain text, images, audio, and video.	
	Admin enters the recipient User ID.	
	FeedItFoward then prompts the Admin to select	
	CONFIRM or CANCEL.	
	4. If the Admin selects CONFIRM, the system will send	
	the content to the specified User.	
Alternative Flows:	AF-S4: If Admin selects CANCEL	
	If the Admin selects CANCEL, the system will cancel	
	the operation and return the Admin back to the	
	Admin's original page.	
Exceptions:	If the User ID is not found, FeedItFoward shall display	
	an error message and prompt the User to reenter the	
	User ID.	
Includes:	None	
Special Requirements:	None	
Assumptions:	None	
Notes and Issues:	None	

I.VI FlagUser

Use Case ID:	#1-6		
Use Case	FlagUser		
Name:			
Created By:	Toh Jing Hua	Last Updated By:	Toh Jing Hua
Date Created:	10th September 2023	Date Last	10th September 2023
		Updated:	

Actor:	FeedItForward
Description:	Allows FeedItForward to flag a User automatically.
Preconditions:	None
Postconditions:	User is flagged
Priority:	Low
Frequency of Use:	Medium
Flow of Events:	 When a Consumer has failed to collect the food for 3 or more times or when a Hawker has falsely put up unavailable food for 3 or more times or when a Driver has failed to deliver food for 3 or more times, FeedItForward shall flag the User and add the User to the list of flagged users. The system will then use the included use case NotifyUser to notify the User that the User has been flagged.
Alternative Flows:	None
Exceptions:	None
Includes:	NotifyUser
Special Requirements:	None
Assumptions:	None
Notes and Issues:	None

II. For Functional Requirement #2

II.I SubmitLeftoverFood

Use Case ID:	#2-1		
Use Case	SubmitLeftoverFood		
Name:			
Created By:	Denise Tay	Last Updated By:	Denise Tay
Date Created:	9th September 2023	Date Last	9th September 2023
		Updated:	

Actor:	Hawker
Description:	Allows hawkers to submit the available leftover food for pickup
	onto FeedItForward
Preconditions:	Hawker must be logged in and authenticated.
	Hawker has leftover food available for pickup.
Postconditions:	Leftover food is successfully declared/submitted for pickup.
Priority:	High
Frequency of Use:	High
Flow of Events:	 Hawker selects the "Food Available for Pickup" option. Hawker indicates the amount of leftover food (in kilograms). Hawker enters the amount of time (in hours) since the food was cooked. Hawker uploads a picture of the leftover food. Hawker confirms the submission by pressing the "Confirm" button.
Alternative Flows:	None
Exceptions:	 If the Hawker is not logged in, they are prompted to log in before submitting leftover food. If any required information is missing or invalid, an error message is displayed.
Includes:	None
Special Requirements:	System needs to validate user input data
Assumptions:	None
Notes and Issues:	None

III. For Functional Requirement #3

III.I SubmitReview

Use Case ID:	#3-1		
Use Case	SubmitReview		
Name:			
Created By:	Toh Jing Qiang	Last Updated By:	Toh Jing Qiang
Date Created:	9th September 2023	Date Last	9th September 2023
		Updated:	

Actor:	Consumer		
Description:	Consumers can submit a review on a Hawker by uploading		
	pictures and writing a review text.		
Preconditions:	The Consumer must be logged in and authenticated.		
Postconditions:	The Review is successfully submitted.		
Priority:	High		
Frequency of Use:	Medium		
Flow of Events:	 The system displays a "Review" button for Consumers to submit a review on a particular Hawker. When a Consumer selects the "Review" button, the system will prompt the Consumer to upload pictures and enter review text about a specific Hawker and its food. The system will then prompt the user to confirm his review via a "Submit Review" Button. If the Consumer selects the "Submit Review" Button, the system will save the review (pictures and text) in the database and display that the review is submitted. 		
Alternative Flows:	None		
Exceptions:	If any required information is missing or invalid, an error message is displayed.		
Includes:	None		
Special Requirements:	System needs to validate user input data.		
Assumptions:	None		
Notes and Issues:	None		

III.II EditReview

Use Case ID:	#3-2		
Use Case	EditReview		
Name:			
Created By:	Toh Jing Qiang	Last Updated By:	Toh Jing Qiang
Date Created:	9th September 2023	Date Last	9th September 2023
		Updated:	

A otom	Congumer		
Actor:	Consumer		
Description:	Consumers can edit his/her review on a Hawker by uploading		
	pictures, removing uploaded pictures or editing the review		
	text.		
Preconditions:	The Consumer must be logged in and authenticated.		
Postconditions:	The Review is successfully edited.		
Priority:	Medium		
Frequency of Use:	Medium		
Flow of Events:	 If a Consumer has already made a review on a particular Hawker, the system will display an "Edit" button beside his/her review. When the Consumer selects the "Edit" button, the system will prompt the Consumer to upload new 		
	pictures, remove uploaded pictures, and modify the review text.		
	 The system will display a "Save" button to allow the Consumer to save the changes made, and a "Cancel" button to allow the Consumer to abandon the changes made. 		
	When the "Save" button is selected, the system will save the changes made.		
Alternative Flows:	AF-S1: If Consumer has not make a review on a particular		
	Hawker		
	The system will not display an "Edit" button.		
	The system will only display the "Review" button for		
	Consumers to submit a review on the Hawker.		
	AF-S4: If the "Cancel" button is selected		
	The system will not save the changes made.		
	The system will redirect the Consumer away from the		
	Edit Hawker Screen.		
Exceptions:	If any required information is missing or invalid, an		
Excoptions.	error message is displayed.		
Includes:	None		
Special Requirements:	System needs to validate user input data.		
	1 * '		

Assumptions:	None
Notes and Issues:	None

Use Case ID:	#3-3		
Use Case	RequestFood		
Name:			
Created By:	Toh Jing Qiang	Last Updated By:	Toh Jing Qiang
Date Created:	9th September 2023	Date Last	9th September 2023
		Updated:	

Actor:	Consumer	
Description:	Consumer chooses from a list of food available for request	
	and submits a request for chosen food	
Preconditions:	The Consumer must be logged in and authenticated.	
	There must be food available for request.	
Postconditions:	The Request is successfully submitted.	
	2. The Hawker is alerted of the Consumer's food request.	
Priority:	High	
Frequency of Use:	High	
Flow of Events:	 The system will display a list of food available for request via a list interface. For each food available for request, the system will 	
	display the amount of food (in kilograms), picture of food, location, amount of time (in hours) that has passed, and a "Request for Food" button.	
	3. When the "Request for Food" button is pressed, the system will prompt the Consumer to enter the amount of food (in kilograms) that the Consumer wants, choose between the options of having the food delivered to them by a Driver or having the food collected by themselves, and confirmation via a "Confirm Request" button.	
	4. When the Consumer inputs all the required information in 3 and selects the "Confirm Request" button, the system will notify the associated Hawker that a food request has been made.	
	 If the Consumer chooses the food delivery option, the system will assign a driver to pick up the food and notify the Hawker and Consumer about the driver's estimated time of arrival at the Hawker and Consumer respectively. 	
Alternative Flows:	AF-S5: If the Consumer chooses the self collection option 1. The system will notify the Hawker that the Consumer is collecting the food him/herself.	

Exceptions:	If any required information is missing or invalid, an
	error message is displayed.
Includes:	None
Special Requirements:	System needs to validate user input data.
Assumptions:	There are Drivers to be assigned to food requests to pick up
	the food.
Notes and Issues:	None

III.IV SubmitPriorityRequest

Use Case ID:	#3-4		
Use Case	SubmitPriorityRequest		
Name:			
Created By:	Toh Jing Qiang	Last Updated By:	Toh Jing Qiang
Date Created:	9th September 2023	Date Last	9th September 2023
		Updated:	

Actor:	Consumer
Description:	Consumers can submit a request to gain priority for food
	request acceptance.
Preconditions:	The Consumer must be logged in and authenticated.
Postconditions:	The Request is successfully submitted.
Priority:	High
Frequency of Use:	Medium
Flow of Events:	 The system will allow the Consumer to upload their personal information like household income, number of residents in household, occupation, and house category (3-room, 4-room, 5-room, executive condo, condo, landed, or penthouse). After the Consumers upload their personal information, the system will submit a request for priority in food request acceptance to the Admins to verify the information using the included use case VerifyUser.
Alternative Flows:	None
Exceptions:	 If any required information is missing or invalid, an error message is displayed.
Includes:	VerifyUser
Special Requirements:	System needs to validate user input data.
Assumptions:	None
Notes and Issues:	None

IV. For Functional Requirement #4

IV.I ProcessPickupJob

Use Case ID:	#4-1		
Use Case	ProcessPickupJob		
Name:			
Created By:	Denise Tay	Last Updated By:	Denise Tay
Date Created:	9th September 2023	Date Last	9th September 2023
		Updated:	

Actor:	Driver	
Description:	Allows drivers to select whether to accept or ignore a pickup	
Description.	1	
	job allocated to them.	
Preconditions:	Driver is logged in to the FeedItForward application.	
	There is leftover food available for pickup.	
Postconditions:	If the Driver chooses to "Accept" the pickup job, they	
	are directed to complete the job's required steps and	
	responsibilities.	
	If the Driver selects to "Ignore" the pickup job, it	
	remains unassigned, and the Driver returns to the	
	main task management screen.	
Priority:	High	
Frequency of Use:	High	
Flow of Events:	Driver is logged in to the FeedItForward application.	
	The FeedItForward system continuously monitors for	
	leftover food available for pickup.	
	3. When leftover food becomes available, the system	
	automatically allocates one pickup job to the Driver.	
	4. A pop-up modal appears on the Driver's screen,	
	notifying them of the allocated pickup job.	
	5. The modal provides information about the job,	
	including the pickup location, estimated delivery time,	
	and any specific instructions or notes from the Hawker.	
	6. FeedItForward present the Driver with two options –	
	ACCEPT or IGNORE	
	7. If the Driver selects ACCEPT:	
	7.1. The system proceeds to display the steps	
	required to complete the job.	
	7.2. Driver collects food at pickup location	
	7.2.1. Driver submits a picture of the food at	
	the pickup location.	
	7.2.2. Driver submits a picture of the Hawker	
	at the pickup location.	
	at the pickup location.	

	 7.3. Driver follows the optimal route determined by FeedItForward, from pickup location to delivery location. 7.4. Driver delivers food at delivery location 7.4.1. Driver submits a picture of food at the delivery location. 7.4.2. Driver submits a picture of the consumer at the delivery location. 8. Job is marked as completed. 	
Alternative Flows:	AF-S7: If the Driver selects IGNORE:	
	The pickup job remains unassigned, and the Driver	
	returns to the main screen.	
Exceptions:	None	
Includes:	None	
Special Requirements:	None	
Assumptions:	FeedItForward system allocates one pickup job to the Driver	
	when leftover food is available for pickup.	
Notes and Issues:	The optimal route determined by FeedItForward utilises the OneMap API	

V. For Functional Requirement #5

V.I CustomerServiceSupport

Use Case ID:	#5-1		
Use Case	CustomerServiceSupport	t	
Name:			
Created By:	Teh Min Ze	Last Updated By:	Toh Jing Qiang
Date Created:	8th September 2023	Date Last	12th September 2023
		Updated:	

Actor:	User
Description:	Communicate via text or call between a
	Consumer/Hawker/Driver and an Admin respectively, and vice
	versa.
Preconditions:	Users must be logged in and authenticated.
Postconditions:	None.
Priority:	High
Frequency of Use:	High
Flow of Events: Alternative Flows:	 Consumer/Hawker/Driver navigates to the Customer Service Support screen. Consumer/Hawker/Driver selects to send a text message to Admin. Admin sends a message back to reply to Consumer/Hawker/Driver's message. AF-S2: Consumer/Hawker/Driver selects to call the Admin Admin picks up the call and talks to the
Eventions	Consumer/Hawker/Driver.
Exceptions:	None
Includes:	None
Special Requirements:	Phone Permission to make and receive call is enabled
Assumptions:	None
Notes and Issues:	None

VI. For Functional Requirement #6

VI.I QueryHawkers

Use Case ID:	#6-1		
Use Case	QueryHawkers		
Name:			
Created By:	Teh Min Ze	Last Updated By:	Toh Jing Qiang
Date Created:	8th September 2023	Date Last	13th September 2023
		Updated:	

Actor:	User	
Description:	Query all Hawkers to show Hawkers' detailed information	
·	and/or optimal route (taking into account weather condition)	
	from User to Hawker. Users can search for a particular	
	Hawker for query too.	
Preconditions:	The User must be logged in and authenticated.	
	The User's device location service is turned on.	
Postconditions:	Successfully display detailed information of queried	
	Hawker to the User.	
	2. Successfully display optimal route from User's location	
	to Hawker.	
Priority:	High	
Frequency of Use:	High	
Flow of Events:	The system allows the User to view Hawkers by either	
	through an interactive map or a list interface.	
	User selects the list interface option.	
	The System shall display a list of Hawkers in	
	Singapore.	
	For each Hawker, the system will display detailed	
	information about the Hawker such as business name,	
	location, contact details, types of food sold, operating	
	hours, reviews given by Consumers and whether the	
	Hawker is registered with FeedItForward.	
	5. If the User selects the "Directions" feature button, the	
	system will return the optimal route from the current	
	location of the User to the Hawker using the included	
	use case QueryDirections.	
	6. If the User selects the "Weather" feature button, the	
	system will return the current and forecasted weather	
	condition using the included use case QueryWeather . 7. If the User selects the "Search" feature button, the	
	·	
	system will return a filtered list of Hawkers using the included use case SearchHawker .	
	included use case searchhawker .	

Alternative Flows:	AF-S3: User selects the interactive map option
Alternative Flows:	 AF-S3: User selects the interactive map option The system shall display a real-time map that displays the locations of all hawkers, with "Registered" tags beside Hawkers registered with FeedItForward. The system allows the User to zoom in, zoom out, and pan the map. When the User selects a specific Hawker, a pop-up modal containing the Hawker information, such as business name, types of food sold, operating details (opening and closing hours), reviews given by Consumers, whether the Hawker is registered with FeedItForward, location, email, and contact number
	will be displayed.
	4. Return to step 5.
Exceptions:	None
Includes:	QueryDirections
	2. QueryWeather
	3. SearchHawker
Special Requirements:	Phone Permission for location access is enabled.
Assumptions:	None
Notes and Issues:	None

VI.II SearchHawkers

Use Case ID:	#6-2		
Use Case	SearchHawker		
Name:			
Created By:	Teh Min Ze	Last Updated By:	Toh Jing Qiang
Date Created:	13th September 2023	Date Last	13th September 2023
		Updated:	

Actor:	User	
Description:	Allows users to search for Hawkers by name, food type or	
	location via a search bar and get a filtered list of Hawkers.	
Preconditions:	The User must be logged in and authenticated.	
Postconditions:	A filtered list of Hawkers is returned.	
Priority:	High	
Frequency of Use:	High	
Flow of Events:	 The User can search for Hawkers according to their name, food type or location via a search bar. The system will return a filtered list of Hawkers for the User. 	
Alternative Flows:	None	
Exceptions:	If no Hawker data matches the search criteria, the system shall display a message stating no Hawker is found.	
Includes:	None	
Special Requirements:	None	
Assumptions:	None	
Notes and Issues:	None	

VI.III QueryDirections

Use Case ID:	#6-3		
Use Case	QueryDirections		
Name:			
Created By:	Teh Min Ze	Last Updated By:	Toh Jing Qiang
Date Created:	13th September 2023	Date Last	13th September 2023
		Updated:	

Actor:	User
Description:	The System to display the optimal route from the current
	location of the user to the selected Hawker.
Preconditions:	 The User must be logged in and authenticated.
	User's device location service is turned on.
	3. User has selected the "Directions" feature button of a
	Hawker.
Postconditions:	Successfully display the optimal route from User's
	current location to Hawker.
Priority:	High
Frequency of Use:	High
Flow of Events:	The system will display the optimal route for the default
	mode of transport (Car).
	User to select "start" to get live step-by-step directions
	to get to the Hawker.
	User to arrive at the Hawker and close the direction
	function.
Alternative Flows:	AF-S1: User selects other modes of transport (Public
	Transport, Walk, etc).
	The system will display the optimal route for other
	modes of transport (Public Transport, Walk, etc)
	2. Return to step 2.
Exceptions:	None
Includes:	None
Special Requirements:	Phone permission for location access is enabled.
Assumptions:	None
Notes and Issues:	None

VI.IV QueryWeather

Use Case ID:	#6-4		
Use Case	QueryWeather		
Name:			
Created By:	Teh Min Ze	Last Updated By:	Toh Jing Qiang
Date Created:	13th September 2023	Date Last	13th September 2023
		Updated:	

Actor:	User
Description:	The system to display the current weather and weather 1 day
	into the future at a 30-minute interval in Singapore.
Preconditions:	The User must be logged in and authenticated.
	User's device location service is turned on.
	User has selected the "Weather" feature button.
Postconditions:	Successfully display the weather condition.
Priority:	High
Frequency of Use:	High
Flow of Events:	The system will display the current weather and
	weather conditions 1 day into the future at a 30-minute
	interval in Singapore.
Alternative Flows:	None
Exceptions:	None
Includes:	None
Special Requirements:	Phone permission for location access is enabled.
Assumptions:	None
Notes and Issues:	None

VII. For Functional Requirement #7

VII.I CreateAccount

Use Case ID:	#7-1		
Use Case	CreateAccount		
Name:			
Created By:	Pin Yang	Last Updated By:	Toh Jing Qiang
Date Created:	13th September 2023	Date Last	13th September 2023
		Updated:	

Actor:	User
Description:	Allows a person to create an Account in the FeedItForward to
	become a User.
Preconditions:	None
Postconditions:	An Account with a specific role (Admin, Hawker, Consumer or
	Rider) is created for the User.
Priority:	High
Frequency of Use:	High
Flow of Events:	 The system prompts the User to enter their name, address, password, email, contact number, profile picture, and role. The User enters the required information and selects the "Create Account" button to confirm his inputs. An Account with a specific role (Admin, Hawker, Consumer or Rider) is created for the User.
Alternative Flows:	
Exceptions:	If any required information is missing or invalid, an error message is displayed.
Includes:	None
Special Requirements:	System needs to validate user input data.
Assumptions:	None
Notes and Issues:	None

VII.II Login

Use Case ID:	#7-2		
Use Case	Login		
Name:			
Created By:	Pin Yang	Last Updated By:	Denise
Date Created:	13th September 2023	Date Last	27th September 2023
		Updated:	

Actor:	User
Description:	Allows User to log into his/her FeedItForward Account using
	his/her email and password.
Preconditions:	None
Postconditions:	User is logged into the FeedItForward application and is
	navigated to the home screen of the application.
Priority:	High
Frequency of Use:	High
Flow of Events:	The system allows the User to login with either (a)
	Email and password, or (b) Singpass.
	The User chooses to login with email and password.
	3. The User enters his/her email and password. The
	Password is masked as dots, but the User can choose
	to unmask it by clicking on the eye icon.
	4. The User selects the "Login" button.
Alternative Flows:	AF-S2: User chooses to login with Singpass
	The User selects the "Login with Singpass" button.
	2. The User logins into the system using Singpass login
	credentials using the included use case
	SingpassLogin.
Exceptions:	If any required information is missing or invalid, an
	error message is displayed.
	If email and password do not match when the User
	tries to login in step 4, FeedItForward shall display
	"Email and password do not match" to the user.
Includes:	SingpassLogin
Special Requirements:	System needs to validate user input data.
Assumptions:	The User has an existing FeedItForward Account.
Notes and Issues:	None

VII.III SingpassLogin

Use Case ID:	# 7-3		
Use Case	SingpassLogin		
Name:			
Created By:	Pin Yang	Last Updated By:	Toh Jing Qiang
Date Created:	13th September 2023	Date Last	13th September 2023
		Updated:	

Actor:	User	
Description:	Allows User to log into his/her FeedItForward Account using	
	his/her Singpass account.	
Preconditions:	Entry Condition: Called by the use case Login when the	
	"Login with Singpass" button is selected.	
Postconditions:	User is logged into the FeedItForward application and is	
	navigated to the home screen of the application.	
Priority:	High	
Frequency of Use:	High	
Flow of Events:	The User is redirected to the Singpass mobile	
	application to provide verification.	
	If the Singpass verification is successful, the system	
	will direct the User to FeedItForward's home page.	
Alternative Flows:	AF-S2: Singpass verification is unsuccessful	
	The system will redirect the User to the	
	FeedItForward's Login screen and display an error	
	message saying that login with Singpass was	
	unsuccessful.	
Exceptions:	None	
Includes:	None	
Special Requirements:	Access and Usage of Singpass API	
Assumptions:	 The User has the Singpass mobile app. 	
Notes and Issues:	None	

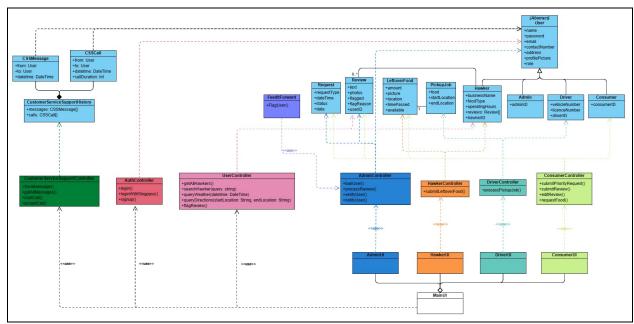
VII.IV FlagReview

Use Case ID:	#7-4		
Use Case	FlagReview		
Name:			
Created By:	Toh Jing Hua	Last Updated By:	Toh Jing Hua
Date Created:	10th September 2023	Date Last	10th September 2023
		Updated:	

Actor:	User	
Description:	Allows User to flag a review for the Admin to process for	
	deletion.	
Preconditions:	User is logged in and is authenticated	
Postconditions:	Review is flagged	
Priority:	Medium	
Frequency of Use:	Medium	
Flow of Events:	 The system displays an option to flag a review for every review that the User has received. If the User flags the review, the system will prompt the user to input the reason as to why they have flagged the review. The system then prompts the User to select CONFIRM or CANCEL. If the user selects CONFIRM, the system will flag the review and add it to the list of flagged reviews for the Admins to process. 	
Alternative Flows:	AF-S4: If the user selects CANCEL 1. If the user selects CANCEL, the system will cancel the operation and return the User to the review.	
Exceptions:	None	
Includes:	None	
Special Requirements:	None	
Assumptions:	None	
Notes and Issues:	None	

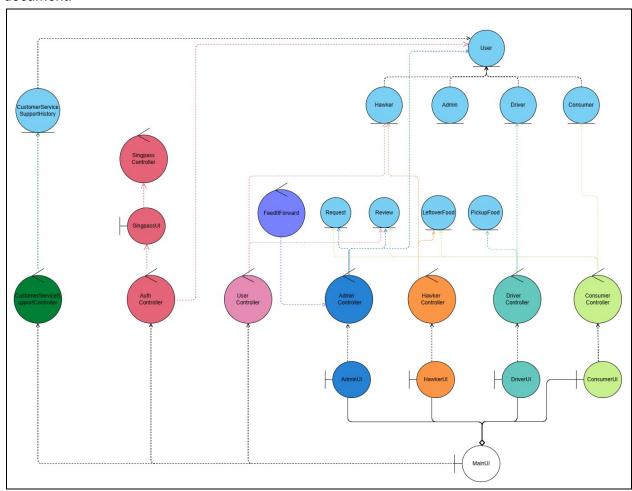
2. Class Diagram of Entity Classes

If the image is unclear, please refer to the raw png file that is uploaded together with this document.



3. Key Boundary Classes and Control Classes

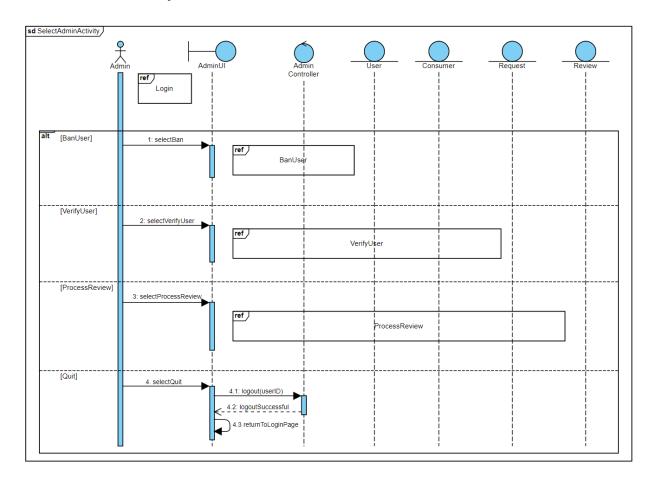
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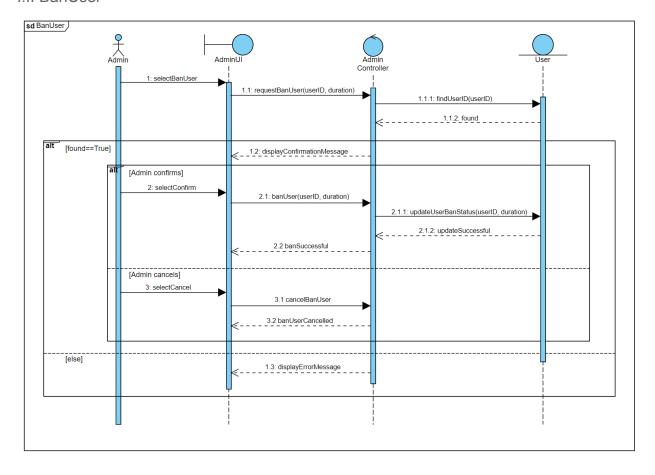
4. Sequence Diagrams of Use Cases

I. For Use Cases under I (Admin)

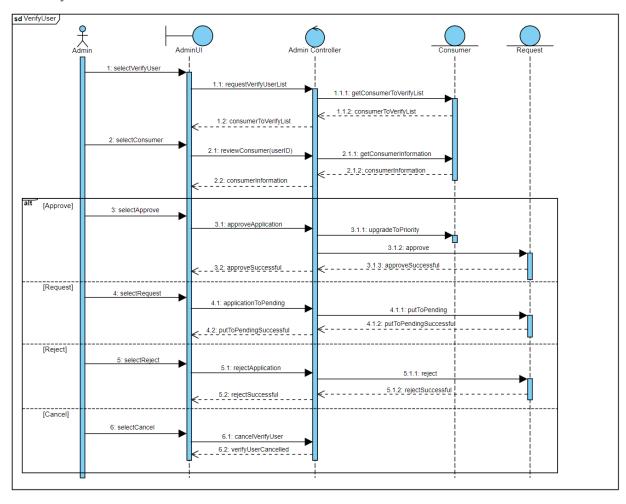
I.I SelectAdminActivity



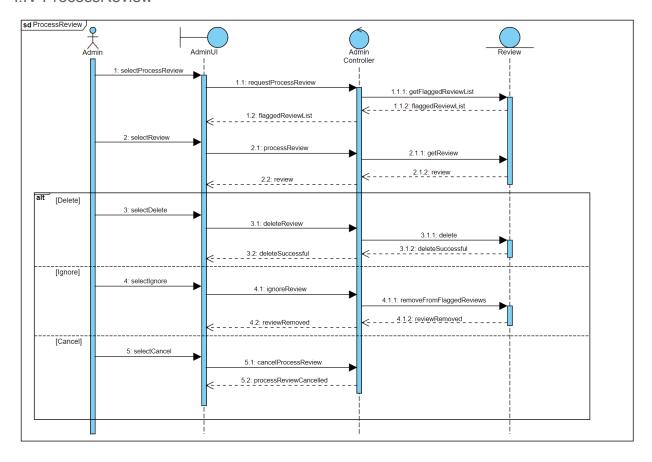
I.II BanUser



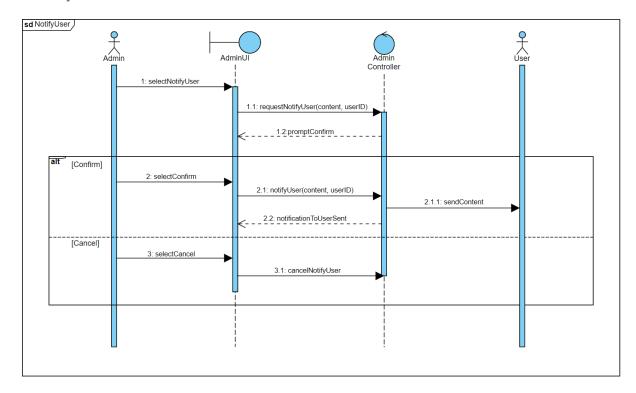
I.III VerifyUser



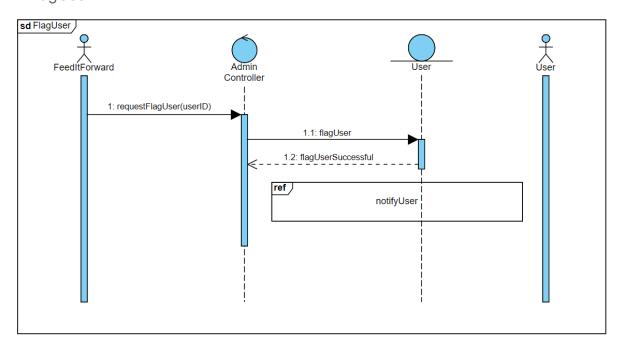
I.IV ProcessReview



I.V NotifyUser

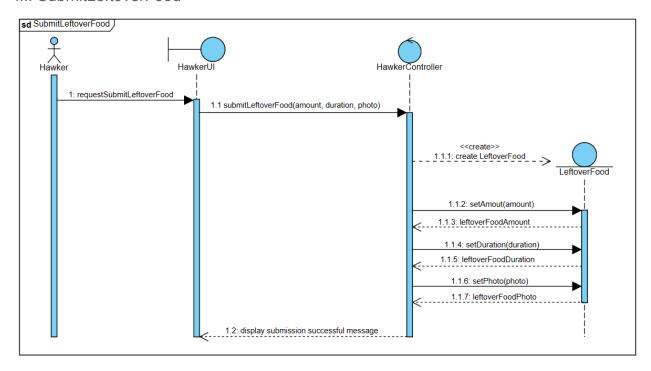


I.VI FlagUser



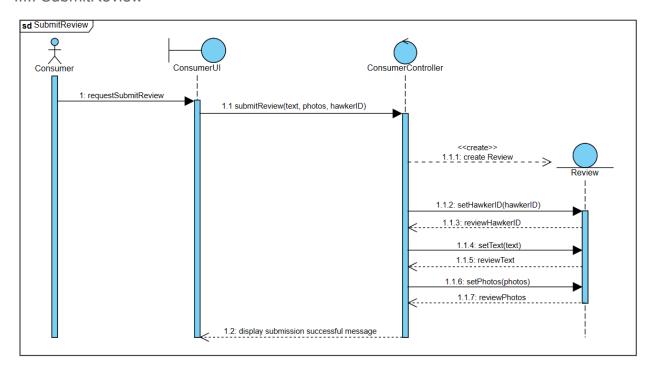
II. For Use Cases under II

II.I SubmitLeftoverFood

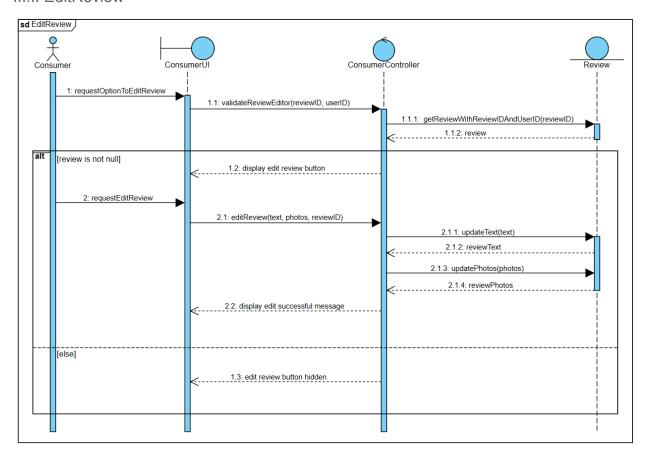


III. For Use Cases under III

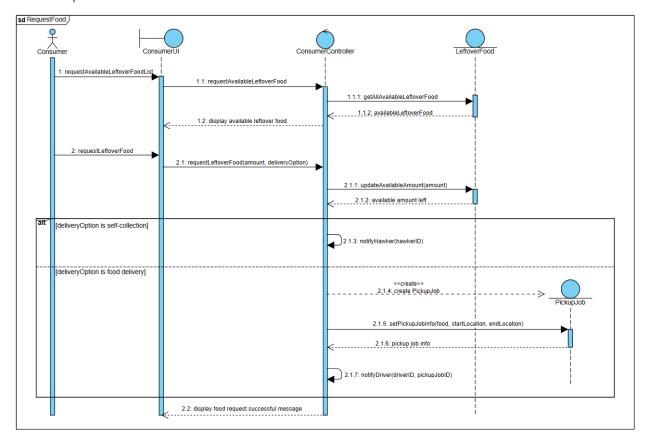
III.I SubmitReview



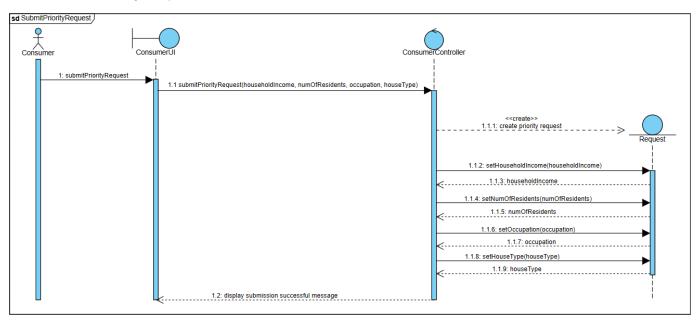
III.II EditReview



III.III RequestFood

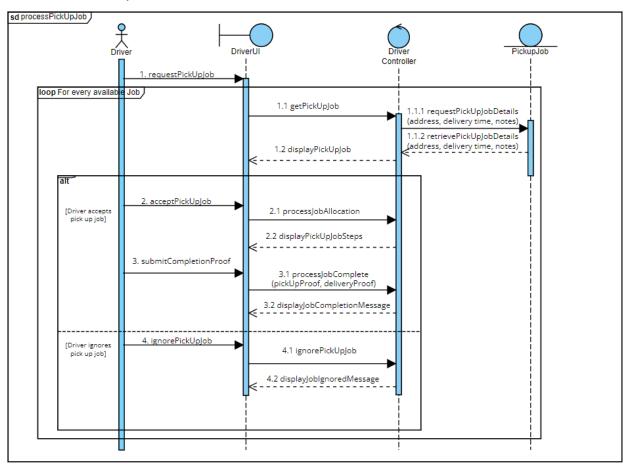


III.IV SubmitPriorityRequest



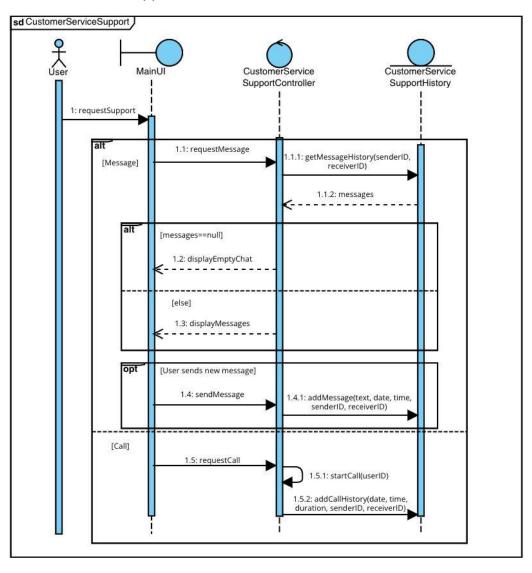
IV. For Use Cases under IV

IV.I ProcessPickupJob



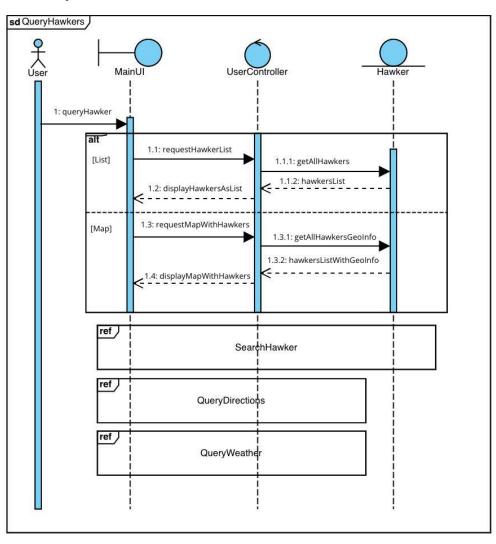
V. For Use Cases under V

V.I CustomerServiceSupport

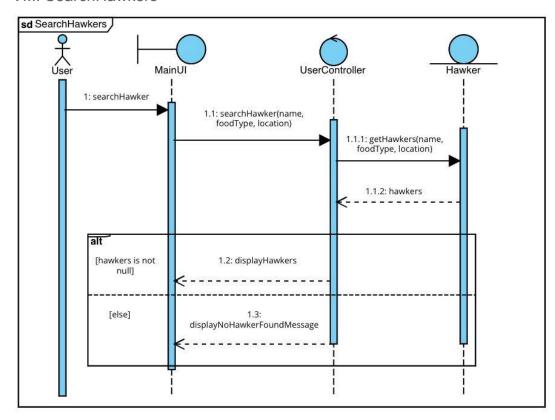


VI. For Use Cases under VI

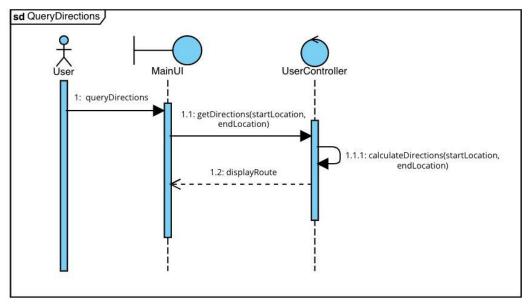
VI.I QueryHawkers



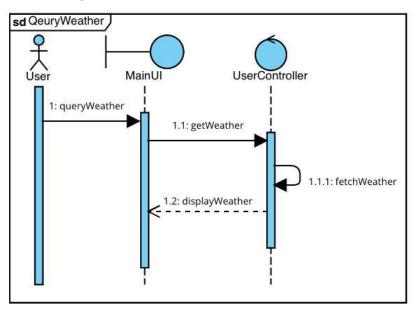
VI.II SearchHawkers



VI.III QueryDirections

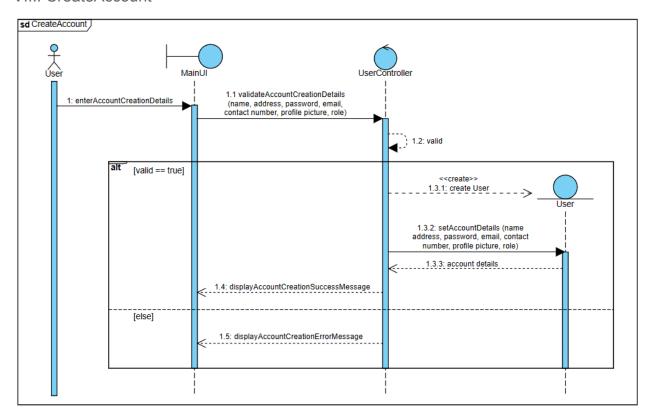


VI.IV QueryWeather

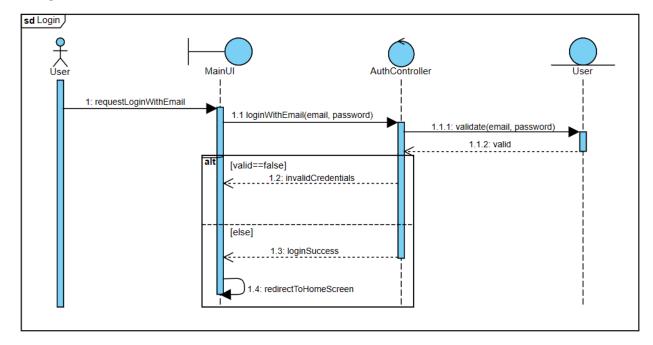


VII. For Use Cases under VII

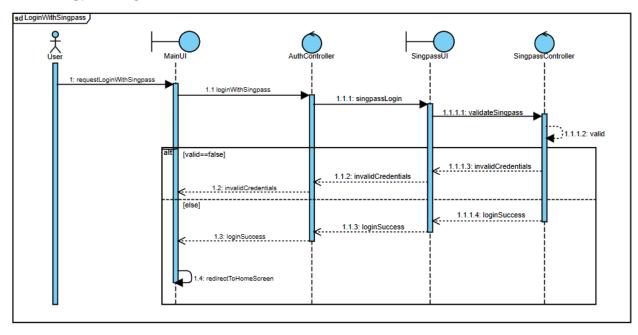
VII.I CreateAccount



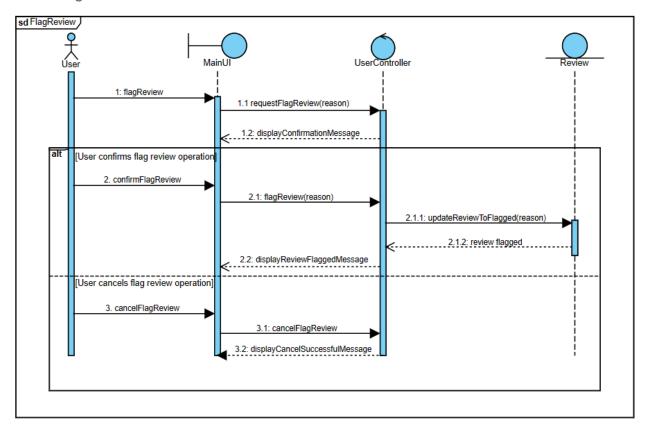
VII.II Login



VII.III SingpassLogin



VII.IV FlagReview



5. Initial Dialog map

If the image is unclear, please refer to the raw png file that is uploaded together with this document.

