4. Use Case Description

Use Case ID:	1		
Use Case Name:	Extract Details of Food Deals		
Created By:	Justin Chua	Last Updated By:	Ong Jun An
Date Created:	7 Sep 2022	Date Last Updated:	21 Sep 2022

Actor:	System, TelethonAPI
Description:	System extracts the relevant details of the food deals from the Telethon API through the channel, 'SG EatNow!'
Preconditions:	1. System first launches to create the SQL Database
Postconditions:	1. System successfully input data into the SQL Database
Priority:	Very High
Frequency of Use:	Daily
Flow of Events:	1. System extracts the food deal messages via the TelethonAPI. 2. System extracts the relevant details of food deals from the messages. 3. System adds the data of food deals into the SQL Database.
Alternative Flows:	-
Exceptions:	-
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	2		
Use Case Name:	Update Details of Food Deals		
Created By:	Justin Chua	Last Updated By:	Ong Jun An
Date Created:	7 Sep 2022	Date Last Updated:	21 Sep 2022

Actor:	System, TelethonAPI
Description:	System receives new food deal messages from the Telethon API, and extracts details of the new food deal to update the SQL Database.
Preconditions:	1. New message is received through the channel, 'SG EatNow!'.
Postconditions:	1. System successfully add new data into the SQL Database
Priority:	Very High
Frequency of Use:	Daily
Flow of Events:	1. New message is added into the channel,'SG EatNow!'. 2. System is prompted to update food deal database via TelethonAPI. 3. System extracts relevant details of food deals from the new message. 4. System adds the data of food deals into the SQL Database.
Alternative Flows:	-
Exceptions:	-
Includes:	-
Special Requirements:	-

Assumptions:	1. The SQL Data Sytem is kept running.
Notes and Issues:	-

Use Case ID:	3		
Use Case Name:	Extract Details of Restaurants		
Created By:	Ong Jun An	Last Updated By:	Ong Jun An
Date Created:	21 Sep 2022	Date Last Updated:	21 Sep 2022

Actor:	System, GoogleMapsAPI
Description:	System extracts the relevant details of the Food & Beverages restaurants from the GoogleMapsAPI, and add the data to the SQL Database.
Preconditions:	1. System first launches to create the SQL Database
Postconditions:	2. System successfully input data into the SQL Database
Priority:	Very High
Frequency of Use:	Daily
Flow of Events:	1. System extracts the details of all restaurants in Singapore via GoogleMapsAPI. 2. System further filters the relevant details of the restaurants from the dataset. 3. System adds the data of restaurants into the SQL Database
Alternative Flows:	-
Exceptions:	-
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	4		
Use Case Name:	Update Details of Restaurants		
Created By:	Ong Jun An	Last Updated By:	Ong Jun An
Date Created:	21 Sep 2022	Date Last Updated:	21 Sep 2022

Actor:	System, GoogleMapsAPI
Description:	System extracts the relevant details of the Food & Beverages restaurants from the GoogleMapsAPI on a monthly basis.
Preconditions:	1. System is prompted to update the restaurant database.
Postconditions:	1. System successfully input data into the SQL Database.
Priority:	Very High
Frequency of Use:	Daily
Flow of Events:	1. System verifies that the last update was a month ago. 2. System will extract the details of all restaurants in Singapore via GoogleMapsAPI. 3. System replaces the data of restaurants in the SQL Database.
Alternative Flows:	-
Exceptions:	-
Includes:	-

Special Requirements:	-	
Assumptions:	1.	The SQL Data Sytem is kept running.
Notes and Issues:	2.	Since all restaurants in Singapore are extracted, runtime will be long.

Use Case ID:	5		
Use Case Name:	Account Registration		
Created By:	Justin Chua	Last Updated By:	Justin Chua
Date Created:	5 Sep 2022	Date Last Updated:	22 Sep 2022

Actor:	User, System
Description:	User registers for a new account.
Preconditions:	1. User account must not exist in the database. and 2. Mobile device must be connected to an internet connection (Wifi/Cellular Data)
Postconditions:	1. Instructions for 2-step verification will be sent to the user via email.
Priority:	Very High
Frequency of Use:	Daily
Flow of Events:	1. User selects 'create an account' 2. User selects registration via username and password. 3. User enters desired username, email address, password. 4. User presses the 'next' button. 5. System checks that username, email address, and password are valid. 6. System sends a verification code to the indicated email address.

Alternative Flows:	AF-S2-1: User selects registration via Facebook.
	    1. System displays Facebook login page.
	    2. User enters Facebook username and password.
	    3. User presses 'next button'.
	    4. System checks validity of Facebook account.
	
	AF-S2-2: User selects registration via Google.
	    1. System displays Google login page.
	    2. User enters Google email and password.
	    3. User presses 'next' button.
	    4. System checks validity of Google account.
	    5. Return to step 6.
	
	AF-S3: System detects that either username, email address, and/or password is invalid.
	    1. System displays error message in red above the respective input.
	    2. Return to step 1.

Exceptions:	-

Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	6
Use Case Name:	Check Registration

Created By:	Justin Chua	Last Updated By:	Justin Chua
Date Created:	7 Sep 2022	Date Last Updated:	22 Sep 2022

Actor:	System
Description:	System validates registration details and creates an account for users.
Preconditions:	1. User account must not exist in the database. and 2. Mobile device must be connected to an internet connection (Wifi/Cellular Data)
Postconditions:	1. User account is successfully created and stored in the database.
Priority:	Very High
Frequency of Use:	Daily
Flow of Events:	1. System validates login details. 2. System validates account availability. 3. System creates account for user in database.

Alternative Flows:	AF-S1-1: System detects username exists in database.
	  1. System displays an error message "Username is taken."
	  2. User re-enters registration details.
	  3. Return to step 1.
	
	AF-S1-2: System detects weak password.
	  1. System displays error message "Password is weak.
	    - The password should be 8-16 characters long.
	    - The password should have at least 1 uppercase character.
	    - The password should have at least 1 lowercase character.
	    - The password should have at least 1 digit."
	  2. User re-enters registration details.
	  3. Return to step 1.
	
	AF-S1-3: System detects invalid email address.
	  1. System displays error message "Invalid email address."
	  2. User re-enters registration details.
	  3. Return to step 1.
	
	AF-S1-4: System detects invalid Facebook or Google account.
	  1. System displays error message "Invalid account".
	  2. User reselects registration method.
	  3. Return to step 1.

	AF-S2: System detects account already exists in database.
	1. System displays error message "Account already exists."
	2. User re-enters registration details.
	3. Return to step 1.
Exceptions:	-
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	7		
Use Case Name:	Account Login		
Created By:	Justin Chua	Last Updated By:	Justin Chua
Date Created:	7 Sep 2022	Date Last Updated:	22 Sep 2022

Actor:	User, System
Description:	User logs into unique account.
Preconditions:	1. User account must exist in the database.
	and
	2. Mobile device must be connected to an internet connection (Wifi/Cellular Data)
Postconditions:	1. User will be logged into their respective accounts.
Priority:	Very High
Frequency of Use:	Daily
Flow of Events:	1. User selects to login via username and password.
	2. User enters username and password in the login page.
	3. User presses login.
	4. System validates the account by checking the username and password against the database.
	5. System sends a 6-digit verification code to user's email address.
	6. User enters 6-digit code in the verification page.
	7. System validates the verification code entered with the one sent to user's email address.
	8. System authenticates user to login successfully.
Alternative Flows:	AF-S1-1: User selects to login via Facebook account.
	1. System displays Facebook account with prompt "choose an account".
	2. User selects Facebook account that was previously logged into.
	3. Return to step 8.
	AF-S1-2: User selects to login via Google account.
	1. System displays Google account with prompt "choose an account".

2. User selects Google account that was previously logged into.
3. Return to step 5.

AF-S2: System detects empty username and/or password fields.
1. System displays error message, and prompts user to fill up empty fields.
2. Return to step 1.

AF-S3: System detects mismatched or non-existent username and password.
1. System displays error message "Invalid username or password."
2. Return to step 1.

AF-S6: User enters wrong verification code.
1. System displays error message "Incorrect. Try again."
2. System allows user to attempt 3 times.
3. Upon 3 failed attempts, return to step 1.

Exceptions:	-
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	8		
Use Case Name:	Indicate Preferences		
Created By:	Justin Chua	Last Updated By:	Justin Chua
Date Created:	7 Sep 2022	Date Last Updated:	22 Sep 2022

Actor:	User, System
Description:	User indicates deal preferences.
Preconditions:	1. User account must exist in the database. and 2. Mobile device must be connected to an internet connection (Wifi/Cellular Data)
Postconditions:	1. Deals will be filtered according to user's preferences.
Priority:	High
Frequency of Use:	Daily
Flow of Events:	1. User navigates to preferences page. 2. System displays different cuisines, restaurants, and locations in 3 separate sections. 3. User clicks on the checkboxes beside their preferred cuisines, restaurants, locations.
Alternative Flows:	AF-S3: User has no preference. 1. User clicks on 'select all' checkbox at the bottom of each section.
Exceptions:	-
Includes:	-
Special Requirements:	-

Assumptions:	-
Notes and Issues:	-

Use Case ID:	9		
Use Case Name:	Bookmark Deals		
Created By:	Justin Chua	Last Updated By:	Ong Jun An
Date Created:	7 Sep 2022	Date Last Updated:	21 Sep 2022

Actor:	User, System
Description:	User can save their favourite deals for future reference.
Preconditions:	1. User must login successfully to their existing account. and 2. User must click on the deal.
Postconditions:	1. Deal will be tagged as User's favourites.
Priority:	Low
Frequency of Use:	Daily
Flow of Events:	1. User navigates to the deals page. 2. User clicks on the deal to view details. 3. User clicks the bookmark icon. 4. System records and saves deal into database.
Alternative Flows:	-
Exceptions:	-
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	10		
Use Case Name:	View Bookmarked Deals		
Created By:	Jewel Chin	Last Updated By:	Ong Jun An
Date Created:	7 Sep 2022	Date Last Updated:	21 Sep 2022

Actor:	User, System
Description:	User can view their favourite deals.
Preconditions:	5. User must login successfully to their existing account.
Postconditions:	1. System displays a list of the user's favourite deals.
Priority:	Low
Frequency of Use:	Daily
Flow of Events:	1. User navigates to the User Settings page. 2. User clicks on the Bookmarks tab 3. List of bookmarked deals is displayed.
Alternative Flows:	-
Exceptions:	EX1: There is no bookmarked deals. 1. System displays "No bookmarked deals.".
Includes:	-
Special Requirements:	-

Assumptions:	-
Notes and Issues:	-

Use Case ID:	11		
Use Case Name:	Record History		
Created By:	Justin	Last Updated By:	Ong Jun An
Date Created:	7 Sep 2022	Date Last Updated:	21 Sep 2022

Actor:	User, System
Description:	System records history of deals user clicked on.
Preconditions:	1. User must be logged into an existing account. and 2. Mobile device must be connected to an internet connection (Wifi/Cellular Data) and 3. User must click on a deal.
Postconditions:	1. System records the deals clicked on into the database
Priority:	Low
Frequency of Use:	Daily
Flow of Events:	1. User navigates to view deals page. 2. User clicks on deal to view details. 3. System records deal into database. 4. User exits back to view deals page. 5. System greys out deal that was clicked on.
Alternative Flows:	-
Exceptions:	-
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	12		
Use Case Name:	View History		
Created By:	Justin	Last Updated By:	Ong Jun An
Date Created:	7 Sep 2022	Date Last Updated:	21 Sep 2022

Actor:	User, System
Description:	User can view history of deals they clicked on.
Preconditions:	1. User must be logged into an existing account. and 2. Mobile device must be connected to an internet connection (Wifi/Cellular Data)
Postconditions:	1. System display a list of the last 10 deals the user has clicked on.
Priority:	Low
Frequency of Use:	Daily

Flow of Events:	2. User navigates to the Settings tab that falls under Profile Page. 3. User navigates to the history tab. 4. System displays the last 10 deals user clicked on.
Alternative Flows:	-
Exceptions:	EX1: User has no deals history. 1. System displays message "History empty".
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	13		
Use Case Name:	Display Deals		
Created By:	Justin	Last Updated By:	Ong Jun An
Date Created:	7 Sep 2022	Date Last Updated:	21 Sep 2022

Actor:	System
Description:	System displays deals under view deals tab.
Preconditions:	1. Mobile device must be connected to an internet connection (Wifi/Cellular Data)
Postconditions:	1. System display the list of deals available.
Priority:	Very High
Frequency of Use:	Daily
Flow of Events:	1. User navigates to view deals tab. 2. System displays the deals at User's location under 'Deals at my location' tab. 3. Upon scrolling down, System displays the top 10 popular deals under the 'Popular Deals' tab. 4. Upon scrolling down, System displays the recommended deals under the 'Recommended' tab. 5. Upon scrolling down, System displays all available deals. 6. Clicking on an available deal will show a pop-up page that displays the deal's specific details.
Alternative Flows:	AF-S2: User has rejected permission to use his/her location. 1. System displays "Permission to user User's Location is not allowed". 2. Return to step 3.
Exceptions:	-
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	14		
Use Case Name:	Sharing a Deal with A Friend		
Created By:	Ong Jun An	Last Updated By:	Ong Jun An
Date Created:	21 Sep 2022	Date Last Updated:	21 Sep 2022

Actor:	User, Friend
Description:	To allow the user to be able to share a deal with a friend.
Preconditions:	3. Mobile device must be connected to an internet connection (Wifi/Cellular Data) And 4. User must log-in to his/her account.
Postconditions:	1. System has sent a deal notification to the friend the user has selected. Or 2. User was unable to share a deal with a friend.
Priority:	Low
Frequency of Use:	1-2 times daily
Flow of Events:	1. User clicks the share button on the deal. 2. System will list the friends that tagged to the user's account. 3. User will select the friends the user wants to share the deal with. 4. System will send a deal notification to the friends selected.
Alternative Flows:	-
Exceptions:	EX1: User has no friends. 1. System will print "No friends in friend list." 2. System exits sharing UI.
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	15		
Use Case Name:	Recommend Deals		
Created By:	Justin Chua	Last Updated By:	Ong Jun An
Date Created:	7 Sep 2022	Date Last Updated:	21 Sep 2022

Actor:	System
Description:	System will recommend deals according to their indicated preferences.
Preconditions:	1. Mobile device must be connected to an internet connection (Wifi/Cellular Data) And 2. User must log-in to his/her account. And 3. User must have indicated their preferences before.
Postconditions:	1. System will display recommended deals catered to user's preferences and convenience.
Priority:	Medium
Frequency of Use:	1-2 times daily
Flow of Events:	1. System retrieves the user's preferences 2. System matches the list of deals against the user's preferences. 3. System displays the filtered deals as recommendations for user, under the 'Recommended' tab.

Alternative Flows:	-
Exceptions:	EX1: User has no preferences indicated. 1. System will display "No preferences selected." instead.
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	16		
Use Case Name:	Filtering the deals available		
Created By:	Ong Jun An	Last Updated By:	Ong Jun An
Date Created:	7 Sep 2022	Date Last Updated:	21 Sep 2022

Actor:	User
Description:	To allow the User to filter the deals available by categories provided by the System.
Preconditions:	1. Mobile device must be connected to an internet connection (Wifi/Cellular Data)
Postconditions:	2. A filtered list of deals will be displayed by the system based the User's selection.
Priority:	High
Frequency of Use:	1-2 times daily
Flow of Events:	1. System will provide a selection of categories that can be filtered by the System. 2. User can filter the list of deals based on location, brand, and cuisine. 3. User will select on the types of filters. 4. System will display the filtered list of deals based on the User's selection.

Alternative Flows:	AF-S4: User provides a change in the types of filters to be used.
	   1. User can add or remove filters in his/her selection.
	   2. Return to step 4.
	
	AF-S4: User taps on the 'Reset filters' button.
	   1. User can remove all filters in his/her selection.
	   2. Return to step 1.

Exceptions:	
Includes:	
Special Requirements:	
Assumptions:	
Notes and Issues:	

Use Case ID:	17		
Use Case Name:	Featuring the most popular deals available		
Created By:	Ong Jun An	Last Updated By:	Ong Jun An
Date Created:	7 Sep 2022	Date Last Updated:	21 Sep 2022

Actor:	User

Description:	System will provide a page to allow the user to view the top 10 most popular deals based on location.
Preconditions:	1. Mobile device must be connected to an internet connection (Wifi/Cellular Data)
Postconditions:	1. User leaves the page.
Priority:	Medium
Frequency of Use:	1-2 times daily
Flow of Events:	1. User enters the deals page. 2. System will sort the number of likes among the deals available. 3. System will display the top 10 most popular deals.
Alternative Flows:	-
Exceptions:	-
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	18		
Use Case Name:	View Reviews		
Created By:	Sean Lim	Last Updated By:	Ong Jun An
Date Created:	1 Sep 2022	Date Last Updated:	21 Sep 2022

Actor:	User
Description:	View reviews made by other users. Users should be able to interact with the reviews.
Preconditions:	1. Mobile device must be connected to an internet connection (Wifi/Cellular Data)
Postconditions:	1. Reviews seen should be filtered out with new reviews
Priority:	High
Frequency of Use:	1-2 times daily
Flow of Events:	1. Users will click into the restaurant of their choice 2. Users will then be able to view the reviews of that restaurant made by other users.
Alternative Flows:	AF-S1: Users can also view reviews at the home page 1. Users scrolling down the home page will view trending reviews recently made by other users.
Exceptions:	-
Includes:	1. Like Review 2. Share Review
Special Requirements:	-
Assumptions:	1. Reviews are constantly made by users.
Notes and Issues:	-

Use Case ID:	19		
Use Case Name:	Like Reviews		
Created By:	Sean Lim	Last Updated By:	Ong Jun An

Date Created:	1 Sep 2022

Date Last Updated:	21 Sep 2022

Actor:	User
Description:	User will be able to interact with the reviews made by other users in terms of "likes". The more "likes" the review has, the algorithm will deem the post trending and it will more likely appear on other user's home page.
Preconditions:	1. Mobile device must be connected to an internet connection (Wifi/Cellular Data) And 2. User must be signed in.
Postconditions:	1. Number of likes on a review will increase.
Priority:	High
Frequency of Use:	1-2 times daily
Flow of Events:	1. Users will be able to view the reviews made by other users when looking at a restaurant and in the homepage. 2. Users will be able to double tap the review and give the review a like. 3. The number of likes for that review will increase.
Alternative Flows:	AF-S1: The user is not signed in. 1. User double tap to like a review without being signed in. 2. Users will be redirected to the account login/ registration page.
Exceptions:	-
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	20
Use Case Name:	Share Reviews
Created By:	Sean Lim
Date Created:	1 Sep 2022

Last Updated By:	Ong Jun An
Date Last Updated:	21 Sep 2022

Actor:	User, System
Description:	User will be able to share the reviews with their friends.
Preconditions:	1. Mobile device must be connected to an internet connection (Wifi/Cellular Data) And 2. User must be signed in.
Postconditions:	1. Review Notification is sent to friend.
Priority:	Medium
Frequency of Use:	1 time weekly
Flow of Events:	1. Users will come across a review they would like to share to someone. 2. Users will be able to press the "share" button 3. System will list the user's friends. 4. Users will select the friends to share the review with. 5. System send the notification to the friends selected.

Alternative Flows:	-

Exceptions:	EX1: User has no friends in his/her friend list.
	    1. System will display the message "No friends found in friend list."
	    2. System exits sharing UI.

Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	21		
Use Case Name:	Report Review		
Created By:	Sean Lim	Last Updated By:	Sean Lim
Date Created:	1 Sep 2022	Date Last Updated:	1 Sep 2022

Actor:	User
Description:	User will able to report a post. The post may contain offensive or sensitive content. The post will then be reviewed and may be taken down if deemed offensive or sensitive.
Preconditions:	1. Mobile device must be connected to an internet connection (Wifi/Cellular Data) And 2. User must be signed in.
Postconditions:	1. The post will be flagged in system.
Priority:	Medium
Frequency of Use:	1 time weekly
Flow of Events:	1. User will come across a review that the user thinks has offensive or sensitive content. 2. User will press the 3 dots. 3. User will see a option to report the post 4. Upon tapping that option, the user will be prompted to write a brief description to why the user found the post offensive or sensitive. 5. The window will tell the user that the report has been submitted and thank the user.
Alternative Flows:	-
Exceptions:	-
Includes:	-
Special Requirements:	-
Assumptions:	1. There will be someone to review the reports and deem which reviews are indeed offensive or sensitive.
Notes and Issues:	-

Use Case ID:	22		
Use Case Name:	Adding A Friend		
Created By:	Ong Jun An	Last Updated By:	Ong Jun An

Date Created:	21 Sep 2022	Date Last Updated:	21 Sep 2022

Actor:	User, Friend
Description:	To allow the user to be able to send a friend request to another user.
Preconditions:	1. Mobile device must be connected to an internet connection (Wifi/Cellular Data) And 2. User must log-in to his/her account.
Postconditions:	1. System has successfully send a friend request notification to the user that was selected.
Priority:	High
Frequency of Use:	3-4 times weekly
Flow of Events:	1. User searches for the username of the user he wishes to make friends with. 2. System will provide the details of the user. 3. User will click "Send a Friend Request" button. 4. System will send a friend request notification to that user.
Alternative Flows:	AF-S1: No search result was given. 1. User will edit the search query input. 2. Return to step 2.
Exceptions:	-
Includes:	-
Special Requirements:	-
Assumptions:	1. The user that has been tagged for a friend request is not a friend of the user.
Notes and Issues:	-

Use Case ID:	23		
Use Case Name:	Accepting a Friend Request		
Created By:	Ong Jun An	Last Updated By:	Ong Jun An
Date Created:	21 Sep 2022	Date Last Updated:	21 Sep 2022

Actor:	User
Description:	To allow the user to be able to accept a friend request.
Preconditions:	1. Mobile device must be connected to an internet connection (Wifi/Cellular Data) And 2. User must log-in to his/her account.
Postconditions:	1. User accepts the friend request. Or 2. User rejects the friend request.
Priority:	High
Frequency of Use:	3-4 times weekly
Flow of Events:	1. User views the friend requests notifications under the 'notifications'. 2. System will provide the details of the friend request. 3. User will click the "Accept" button. 4. System will tag the other user as a friend of the user. 5. System will send a notification to the other user of the acceptance of the friend request.

	6. System will remove the notification.
Alternative Flows:	AF-S3: User rejects the friend request.. 1. User will click on the "Reject" button. 2. System will send a notification to the other user of the rejection of the friend request. 3. Return to step 6.
Exceptions:	-
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	24		
Use Case Name:	Making a booking with a restaurant through the application		
Created By:	Ong Jun An	Last Updated By:	Ong Jun An
Date Created:	7 Sep 2022	Date Last Updated:	7 Sep 2022

Actor:	User, Restaurant
Description:	To allow the user to be able to make a booking with a restaurant specified by the user
Preconditions:	1. Mobile device must be connected to an internet connection (Wifi/Cellular Data) And 2. User must log-in to his/her account.
Postconditions:	1. System has successfully booked a restaurant for the user. Or 2. System is unable to make a reservation due to the restaurant's unavailability.
Priority:	
Frequency of Use:	
Flow of Events:	3. System will check with the Restaurant on the availability of timeslots. 4. System will provide a list of timeslots available for booking. 5. User will enter a timeslot and the number of seats to be reserved. 6. System will provide the details of the booking for confirmation. 7. User will validate the details of the booking by tapping on the 'confirm' button. 8. System will notify the Restaurant on the details of the booking. 9. System will notify the User that the reservation has been made.
Alternative Flows:	AF-S5: User requests to make changes to his/her booking. 10. User will request a change in his/her booking by tapping on the 'back' button. 11. Return to step 3.
Exceptions:	EX1-Restaurant is unavailable for booking. 1. System will notify the User with a message "Restaurant is unavailable for booking.".

Includes:	
Special Requirements:	
Assumptions:	
Notes and Issues:	

Use Case ID:	24		
Use Case Name:	Making Online Payment		
Created By:	Justin Chua	Last Updated By:	Justin Chua
Date Created:	7 Sep 2022	Date Last Updated:	7 Sep 2022

Actor:	User
Description:	User pays for order using online payment.
Preconditions:	1. Mobile device must be connected to an internet connection (Wifi/Cellular Data) And 2. User must log-in to his/her account. 3. User must place an order.
Postconditions:	1. System displays transaction page and order is processed.
Priority:	Medium
Frequency of Use:	3-4 times weekly
Flow of Events:	2. System will display a payment page. 3. User clicks 'proceed to payment'. 4. System displays a form for user to fill up card details. 5. User enters the card number, name on card, cvv, and date of expiry. 6. User clicks 'next'. 7. System checks validity of card. 8. System prompts user to save card details. 9. User clicks 'yes'. 10. System records card details into database. 11. System displays transaction page
Alternative Flows:	AF-S6: Card details are invalid. 1. System displays an error message "Card is invalid". 2. Return to step 3. AF-S7: User does not want card details saved. 1. User clicks 'no' upon prompt. 2. Skip to step 10.
Exceptions:	-
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	25		
Use Case Name:	Map Display		
Created By:	Justin Chua	Last Updated By:	Justin Chua
Date Created:	7 Sep 2022	Date Last Updated:	7 Sep 2022

Actor:	System
Description:	System will display a map
Preconditions:	3. Mobile device must be connected to an internet connection (Wifi/Cellular Data) And 4. User must log-in to his/her account. 5. User must place an order. 6. User must opt for delivery services And 7. User must allow access to Location services.
Postconditions:	1. System displays the map, location of delivery personnel, and estimated time of arrival.
Priority:	Low
Frequency of Use:	3-4 times weekly
Flow of Events:	2. User navigates to activities tab. 3. User clicks on pending order. 4. System displays map, location of delivery personnel, and estimated time of arrival.
Alternative Flows:	-
Exceptions:	EX1- User has not allowed access to Location services. System will display "Location services off!"
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	26		
Use Case Name:	Order Arrival		
Created By:	Justin Chua	Last Updated By:	Jewel Chin
Date Created:	7 Sep 2022	Date Last Updated:	22 Sep 2022

Actor:	System, Delivery Personnel, User
Description:	Arrival of deal orders.
Preconditions:	1. Mobile device must be connected to an internet connection (Wifi/Cellular Data) And 2. User must log-in to his/her account. And 3. User must place an order. And 4. User must opt for delivery services And 5. User must allow access to Location services.
Postconditions:	1. User receives order arrival notification.
Priority:	Medium
Frequency of Use:	3-4 times weekly
Flow of Events:	1. Delivery personnel arrives at specified location. 2. System detects that delivery personnel is at specified location. 3. System sends arrival notification to User.
Alternative Flows:	-

Exceptions:	EX1- User has not allowed access to Location services. System will display "Location services off!"
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	27		
Use Case Name:	Placing an Order		
Created By:	Jewel Chin	Last Updated By:	
Date Created:	22 Sep 2022	Date Last Updated:	

Actor:	System, Delivery Personnel, User
Description:	Placing of deal orders.
Preconditions:	6. Mobile device must be connected to an internet connection (Wifi/Cellular Data) And 7. User must log-in to his/her account. And And 8. User must opt for delivery services And 9. User must allow access to Location services.
Postconditions:	2. User will receive notification for placing an order in the Activities tab.
Priority:	Medium
Frequency of Use:	3-4 times weekly
Flow of Events:	1. User navigates to the Deals tab. 2. User clicks on Order. 3. System displays list of filtered restaurants. 4. User selects restaurant. 5. System displays the menu of the restaurant. 6. User adds items to food cart. 7. System seeks for User to confirm selection. 8. User will be directed to the Online Payment page.
Alternative Flows:	AF1- 1. User navigates to the Search page. 2. User key inputs in the Search Query. 3. System displays Restaurant Search results.
Exceptions:	EX1- User has not allowed access to Location services. System will display "Location services off!"
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-