

# Use Case Diagram and Use Case Descriptions

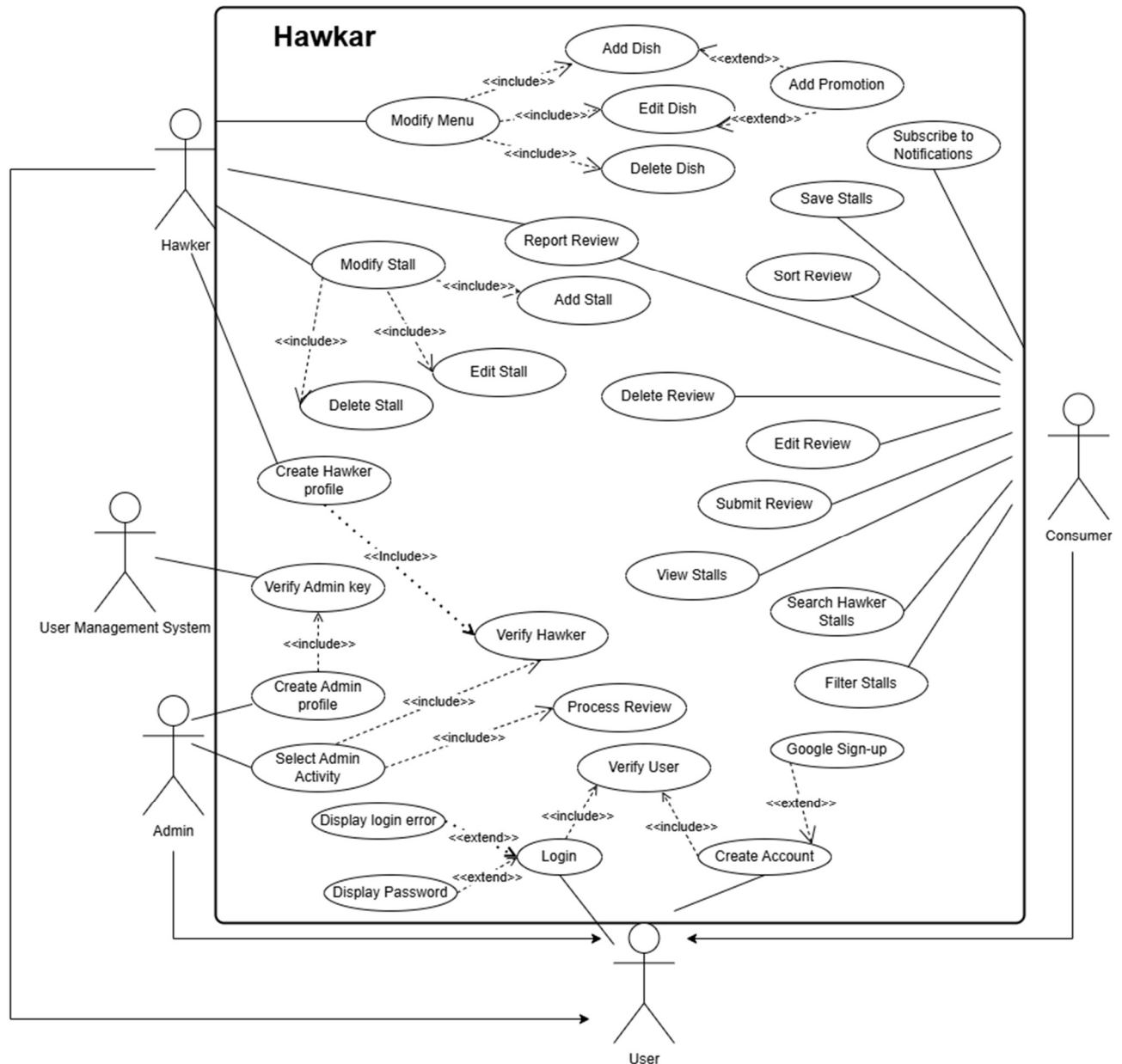
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# Initial Use Case Model, consisting of Use case diagram and Use Case descriptions

## Use Case Diagram



# Use Case Descriptions

## Functional Requirement 1

### Create Account

Use Case ID:	HAWK-1.1		
Use Case Name:	Create Account		
Created by:	Cao Junming	Last Updated by:	Kow Zi Ting
Date Created:	07-02-2025	Date Last Updated:	17-04-2025

Actors:	Users
Description:	Allows Users to create an account in Hawkar.
Preconditions:	User must be creating a new account with a new email or Google account.
Postconditions:	The User's account is created and is directed to the profile creation page.
Priority:	High
Frequency of Use:	High
Flow of events:	<ol style="list-style-type: none"><li>1. The User clicks the "Sign up" button.</li><li>2. On clicking, the System prompts the User to enter their name, email address and set a password, or sign up with Google.</li><li>3. The User enters the required information and selects the "Next" button to move on to the profile creation page.</li></ol>
Alternative Flows:	<p>AF-1: User chooses to sign up with Google.</p> <ol style="list-style-type: none"><li>1. The User selects the "Sign up with Google" button.</li><li>2. The User selects the Google account to use for the sign up.</li><li>3. The User moves on to the profile creation page automatically.</li></ol>
Exceptions:	<ol style="list-style-type: none"><li>1. If the chosen password is less than 8 characters, an error message is displayed.</li></ol>

Includes:	None.
Special requirements:	None.
Assumptions:	None.
Notes and Issues	None.

## Create Consumer Profile

Use Case ID:	HAWK-1.2		
Use Case Name:	Create Consumer Profile		
Created by:	Cao Junming	Last Updated by:	Kow Zi Ting
Date Created:	07-02-2025	Date Last Updated:	17-04-2025

Actors:	Users.
Description:	Allows a User to assign the Consumer profile to their account.
Preconditions:	1. The User must have an account not yet assigned any profile.
Postconditions:	1. Successfully assign the Consumer profile to the User's account.
Priority:	High
Frequency of Use:	High
Flow of events:	<ol style="list-style-type: none"> <li>1. The system prompts the User to upload their profile photo.</li> <li>2. The system then prompts the User to select their role: Consumer, Hawker or Admin.</li> <li>3. User will select Consumer as their role.</li> <li>4. System will prompt User to fill in their address, contact number, dietary preference, preferred cuisine and ambulatory status.</li> <li>5. User clicks "Get Started" to assign the Consumer profile to their account.</li> </ol>
Alternative Flows:	None.
Exceptions:	<ol style="list-style-type: none"> <li>1. If the User enters a contact number which does not contain 8 digits or does not start with an 8 or 9, the system shall display an error message and prompt the User to rectify their input.</li> <li>2. If the User does not select their dietary preference, preferred cuisine or ambulatory status before clicking on "Get Started", the system shall display an error message and prompt the User to make their selections.</li> </ol>
Includes:	None

Special requirements:	None
Assumptions:	None.
Notes and Issues	None.

## Create Hawker Profile

Use Case ID:	HAWK-1.3		
Use Case Name:	Create Hawker Profile		
Created by:	Cao Junming	Last Updated by:	Kow Zi Ting
Date Created:	07-02-2025	Date Last Updated:	17-04-2025

Actors:	Users.
Description:	Allows a User to assign the Hawker profile to their account.
Preconditions:	1. The User must have an account not yet assigned any profile.
Postconditions:	1. A request for verification is sent to the Admins.
Priority:	High
Frequency of Use:	High
Flow of events:	<ol style="list-style-type: none"> <li>1. The system prompts the User to upload their profile photo.</li> <li>2. The system then prompts the User to select their role: Consumer, Hawker or Admin.</li> <li>3. User will select Hawker as their role.</li> <li>4. System will prompt User to fill in their SFA licence number, address and contact number.</li> <li>5. User clicks "Get Started".</li> </ol>
Alternative Flows:	None.
Exceptions:	<ol style="list-style-type: none"> <li>1. If the User enters a contact number which does not contain 8 digits or does not start with an 8 or 9, the system shall display an error message and prompt the User to rectify their input.</li> <li>2. If the User does not select their dietary preference, preferred cuisine or ambulatory status before clicking on "Get Started", the system shall display an error message and prompt the User to make their selections.</li> </ol>
Includes:	None
Special requirements:	None



Assumptions:	None.
Notes and Issues	None.

## Create Admin Profile

Use Case ID:	HAWK-1.4		
Use Case Name:	Create Admin Profile		
Created by:	Cao Junming	Last Updated by:	Kow Zi Ting
Date Created:	07-02-2025	Date Last Updated:	17-04-2025

Actors:	Users.
Description:	Allows a User to assign the Admin profile to their account.
Preconditions:	1. The User must have an account not yet assigned any profile.
Postconditions:	1. Successfully assigns the Admin profile to the User's account.
Priority:	High
Frequency of Use:	High
Flow of events:	<ol style="list-style-type: none"> <li>1. The system prompts the User to upload their profile photo.</li> <li>2. The system then prompts the User to select their role: Consumer, Hawker or Admin.</li> <li>3. User will select Admin as their role.</li> <li>4. System will prompt User to fill in their Admin Unique ID and contact number.</li> <li>5. User clicks "Get Started" to assign the Admin profile to their account.</li> </ol>
Alternative Flows:	None.
Exceptions:	<ol style="list-style-type: none"> <li>1. If the User enters a contact number which does not contain 8 digits or does not start with an 8 or 9, the system shall display an error message and prompt the User to rectify their input.</li> <li>2. If the User does not select their dietary preference, preferred cuisine or ambulatory status before clicking on "Get Started", the system shall display an error message and prompt the User to make their selections.</li> </ol>
Includes:	None
Special requirements:	None

Assumptions:	None.
Notes and Issues	None.

## Login

Use Case ID:	HAWK-1.5		
Use Case Name:	Login		
Created by:	Cao Junming	Last Updated by:	Aliff
Date Created:	19-02-2025	Date Last Updated:	16-04-2025

Actors:	Users
Description:	Allows Users to log into their Hawkar account using their email and password or Google log in.
Preconditions:	User must have an account with a profile assigned to it.
Postconditions:	<ol style="list-style-type: none"> <li>1. User logs in successfully and is navigated to their respective dashboard.</li> </ol>
Priority:	High
Frequency of Use:	High.
Flow of events:	<ol style="list-style-type: none"> <li>1. The system prompts the user to log in by Email and Password, or Google.</li> <li>2. The User chooses to login with Email and Password.</li> <li>3. The User enters their email and password.</li> <li>4. Since the password is masked as dots, the User chooses to unmask it by clicking on the eye icon.</li> <li>5. The User clicks "Login".</li> </ol>
Alternative Flows:	<ol style="list-style-type: none"> <li>1. User clicks "Sign in with Google".</li> <li>2. User selects which Google account to use for the login.</li> <li>3. User is logged in.</li> </ol>
Exceptions:	AF-2: Invalid login credentials (email or password). <ol style="list-style-type: none"> <li>1. System to notify user "Invalid email or password".</li> </ol>
Includes:	None.
Special requirements:	None.
Assumptions:	None.

Notes and Issues	None
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## Functional Requirement 2

### View Hawker Centres on Map

Use Case ID:	HAWK-2.1		
Use Case Name:	View Hawker Centres on Map		
Created by:	Natthakan	Last Updated by:	Kow Zi Ting
Date Created:	12-02-2025	Date Last Updated:	17-04-2025

Actors:	Consumers
Description:	Allows Consumers to view the locations of different hawkers centres as pins on the map.
Preconditions:	Consumers must be logged into the application.
Postconditions:	The locations of hawker centres are shown as pins on the map.
Priority:	Normal
Frequency of Use:	Whenever a consumer lands on Dashboard.
Flow of events:	<ol style="list-style-type: none"><li>1. Consumers land on the Dashboard after login</li><li>2. An interactive map of displaying different hawker centers as pins is shown</li></ol>
Alternative Flows:	None.
Exceptions:	None
Includes:	None.
Special requirements:	None
Assumptions:	User is logged in as a Consumer.
Notes and Issues	None.

## View List of Hawker Stalls

Use Case ID:	HAWK-2.2		
Use Case Name:	View List of Hawker Stalls		
Created by:	Natthakan	Last Updated by:	Kow Zi Ting
Date Created:	12-02-2025	Date Last Updated:	17-04-2025

Actors:	Consumers
Description:	Allows Consumer to view a list of all stalls registered with the Hawkar application.
Preconditions:	Consumers must be logged into the application.
Postconditions:	The list of hawker stalls are shown on the Dashboard.
Priority:	Normal
Frequency of Use:	Whenever a consumer logs in.
Flow of events:	<ol style="list-style-type: none"> <li>1. Consumers land on the Dashboard after login</li> <li>2. Consumers sees a list of all hawker centres registered in Hawkar, beside the interactive map.</li> </ol>
Alternative Flows:	None
Exceptions:	None
Includes:	None.
Special requirements:	None
Assumptions:	User is logged in as a consumer.
Notes and Issues	None

## Search Hawker Stalls

Use Case ID:	HAWK-2.3		
Use Case Name:	Search Hawker Stalls		
Created by:	Natthakan	Last Updated by:	Natthakan
Date Created:	12-02-2025	Date Last Updated:	17-04-2025

Actors:	Consumers
Description:	Allows Consumers to search for hawker stalls by name.
Preconditions:	Consumers must be logged into the application.
Postconditions:	Relevant stalls are shown based on the search term.
Priority:	Normal
Frequency of Use:	Whenever a consumer inputs search terms into the search bar.
Flow of events:	<ol style="list-style-type: none"> <li>1. Consumers land on the Dashboard after login</li> <li>2. Consumers enter the full or partial name of a stall as a search term in the search bar.</li> <li>3. System displays a list of relevant stalls.</li> </ol>
Alternative Flows:	AF-3: If the search term does not match any stall registered in Hawkar <ol style="list-style-type: none"> <li>1. No results are shown.</li> </ol>
Exceptions:	None.
Includes:	None.
Special requirements:	None.
Assumptions:	User is logged in as a consumer.
Notes and Issues	None.



## Functional Requirement 3

### Filter Stalls by Operating Hours

Use Case ID:	HAWK-3.1		
Use Case Name:	Filter Stalls by Operating Hours		
Created by:	Natthakan	Last Updated by:	Kow Zi Ting
Date Created:	12-02-2025	Date Last Updated:	17-04-2025

Actors:	Consumers
Description:	Allows Consumers to specify a time range to find hawker centers and stalls that are open during that period.
Preconditions:	Consumers must be logged into the application.
Postconditions:	Relevant stalls open during the specified time range are shown.
Priority:	Normal
Frequency of Use:	Whenever a consumer chooses to filter based on Operating Hours.
Flow of events:	<ol style="list-style-type: none"><li>1. Consumers click the "Filters" button.</li><li>2. Consumers select the Starting Hours and Closing Hours of their time range.</li><li>3. Consumers click "Apply Filters".</li><li>4. Relevant stalls open during the specified time range are shown.</li></ol>
Alternative Flows:	AF-4: If no registered stalls are open during the specified time range <ol style="list-style-type: none"><li>1. No stalls are displayed.</li></ol>
Exceptions:	None.
Includes:	None.
Special requirements:	None.
Assumptions:	User is logged in as a consumer.
Notes and Issues	None.

## Filter Stalls by Location

Use Case ID:	HAWK-3.2		
Use Case Name:	Filter Stalls by Location		
Created by:	Natthakan	Last Updated by:	Kow Zi Ting
Date Created:	12-02-2025	Date Last Updated:	17-04-2025

Actors:	Consumers
Description:	Allows Consumers to filter stalls based on the hawker centre in which they are located.
Preconditions:	Consumers must be logged into the application.
Postconditions:	Stalls located in the selected hawker centre are shown.
Priority:	Normal
Frequency of Use:	Whenever a consumer chooses to filter based on Location.
Flow of events:	<ol style="list-style-type: none"> <li>1. Consumers click the "Filters" button.</li> <li>2. Consumers select their desired hawker centre under Location.</li> <li>3. Consumers click "Apply Filters".</li> <li>4. Relevant stalls located in the hawker centre are shown.</li> </ol>
Alternative Flows:	AF-5: If no stalls are registered with Hawkar within the specified hawker centre <ol style="list-style-type: none"> <li>1. No stalls are displayed.</li> </ol>
Exceptions:	None.
Includes:	None.
Special requirements:	None.
Assumptions:	User is logged in as a consumer.
Notes and Issues	None.

## Filter Stalls by Price Range

Use Case ID:	HAWK-3.3		
Use Case Name:	Filter Stalls by Price Range		
Created by:	Natthakan	Last Updated by:	Kow Zi Ting
Date Created:	12-02-2025	Date Last Updated:	17-04-2025

Actors:	Consumers
Description:	Allows Consumers to filter stalls based on the Price Range of their food.
Preconditions:	Consumers must be logged into the application.
Postconditions:	Stalls matching the specified Price Range are shown.
Priority:	Normal
Frequency of Use:	Whenever a consumer chooses to filter based on Price Range.
Flow of events:	<ol style="list-style-type: none"> <li>1. Consumers click the "Filters" button.</li> <li>2. Consumers select their desired Price Range.</li> <li>3. Consumers click "Apply Filters".</li> <li>4. Relevant stalls within the Price Range are shown.</li> </ol>
Alternative Flows:	AF-6: If no stalls match the specified Price Range <ol style="list-style-type: none"> <li>1. No stalls are displayed.</li> </ol>
Exceptions:	None.
Includes:	None.
Special requirements:	None.
Assumptions:	User is logged in as a consumer.
Notes and Issues	None.

## Filter Stalls by Hygiene Rating

Use Case ID:	HAWK-3.4		
Use Case Name:	Filter Stalls by Hygiene Rating		
Created by:	Natthakan	Last Updated by:	Kow Zi Ting
Date Created:	12-02-2025	Date Last Updated:	17-04-2025

Actors:	Consumers
Description:	Allows Consumers to filter stalls based on their Hygiene Rating.
Preconditions:	Consumers must be logged into the application.
Postconditions:	Stalls matching the specified Hygiene Rating are shown.
Priority:	Normal
Frequency of Use:	Whenever a consumer chooses to filter based on Hygiene Rating.
Flow of events:	<ol style="list-style-type: none"> <li>1. Consumers click the "Filters" button.</li> <li>2. Consumers select their desired Hygiene Rating.</li> <li>3. Consumers click "Apply Filters".</li> <li>4. Relevant stalls with the Hygiene Rating are shown.</li> </ol>
Alternative Flows:	AF-7: If no stalls match the specified Hygiene Rating <ol style="list-style-type: none"> <li>1. No stalls are displayed.</li> </ol>
Exceptions:	None.
Includes:	None.
Special requirements:	None.
Assumptions:	User is logged in as a consumer.
Notes and Issues	None.

## Functional Requirement 4

### Modify Reviews

Use Case ID:	HAWK-4		
Use Case Name:	Modify Reviews		
Created by:	Aliff	Last Updated by:	Kow Zi Ting
Date Created:	2025-02-06	Date Last Updated:	2025-04-17

Actors:	Consumer
Description:	Allows consumers to modify their reviews for stalls. It includes adding, editing, and deleting reviews.
Preconditions:	The consumer must be logged in.
Postconditions:	The consumer's review is added, updated, or deleted in the system.
Priority:	Normal.
Frequency of Use:	As needed, when consumers want to submit, update or delete their reviews.
Flow of events:	<ol style="list-style-type: none"><li>1. From the Dashboard, Consumer clicks on the stall.</li><li>2. If Consumer clicks "Add Review", then Consumer uses the use case Add Review.</li><li>3. If Consumer clicks the pen icon beside their existing review, then Consumer uses the use case Edit Review.</li><li>4. If Consumer clicks the bin icon beside their existing review, then Consumer uses the use case Delete Review.</li></ol>
Alternative Flows:	None.
Exceptions:	None.
Includes:	Add Reviews, Edit Reviews, Delete Reviews

Special requirements:	Consumers should only be able to modify their own reviews.
Assumptions:	The system stores and retrieves reviews from a database.
Notes and Issues	None.

## Add Reviews

Use Case ID:	HAWK-4.1		
Use Case Name:	Add Reviews		
Created by:	Aliff	Last Updated by:	Kow Zi Ting
Date Created:	2025-02-06	Date Last Updated:	2025-04-17

Actors:	Consumer.
Description:	Allows consumers to submit a review for a stall.
Preconditions:	<ol style="list-style-type: none"> <li>1. The consumer must be logged in.</li> <li>2. The consumer is on the stall's page.</li> </ol>
Postconditions:	A new review is saved in the system and shown on the stall's page.
Priority:	Normal.
Frequency of Use:	When Consumers choose to submit a review.
Flow of events:	<ol style="list-style-type: none"> <li>1. From the Dashboard, Consumer clicks on the stall.</li> <li>2. Consumer clicks "Add Review".</li> <li>3. Consumers select their rating for the stall and write their reviews.</li> <li>4. Consumers click "Submit Review".</li> </ol>
Alternative Flows:	None.
Exceptions:	None.
Includes:	None.
Special requirements:	None.
Assumptions:	The system stores and retrieves reviews from a database.
Notes and Issues	None.

## Edit Reviews

Use Case ID:	HAWK-4.2		
Use Case Name:	Edit Reviews		
Created by:	Aliff	Last Updated by:	Kow Zi Ting
Date Created:	2025-02-06	Date Last Updated:	2025-04-17

Actors:	Consumer
Description:	This use case allows consumers to edit their existing reviews for stalls.
Preconditions:	<ol style="list-style-type: none"> <li>1. The consumer must be logged in.</li> <li>2. The review must already exist in the system.</li> <li>3. The consumer is on the stall's page.</li> </ol>
Postconditions:	The consumer's review is updated in the system.
Priority:	Normal.
Frequency of Use:	When Consumers choose to edit reviews they have previously submitted.
Flow of events:	<ol style="list-style-type: none"> <li>1. From the Dashboard, Consumer clicks on the stall.</li> <li>2. Consumers click the pen icon beside a review they have submitted previously.</li> <li>3. Consumers edit their rating and/or review for the stall.</li> <li>4. Consumers click "Update Review".</li> </ol>
Alternative Flows:	None.
Exceptions:	None.
Includes:	None.
Special requirements:	None.
Assumptions:	The system stores and retrieves reviews from a database.
Notes and Issues	None.



## Delete Review

Use Case ID:	HAWK-4.3		
Use Case Name:	Delete Review		
Created by:	Aliff	Last Updated by:	Kow Zi Ting
Date Created:	2025-02-06	Date Last Updated:	2025-04-17

Actors:	Consumer
Description:	Allows consumers to delete their reviews for stalls.
Preconditions:	<ol style="list-style-type: none"> <li>1. The consumer must be logged in.</li> <li>2. The consumer is on the stall's page.</li> <li>3. The review must already exist in the system.</li> </ol>
Postconditions:	The consumer's review is removed from the system.
Priority:	HIGH
Frequency of Use:	When Consumers choose to delete reviews they have previously submitted.
Flow of events:	<ol style="list-style-type: none"> <li>1. From the Dashboard, Consumer clicks on the stall.</li> <li>2. Consumer clicks the bin icon beside a review they have submitted previously.</li> <li>3. System displays a confirmation message "Are you sure? This will permanently delete your review. This action cannot be undone."</li> <li>4. Consumers click "Delete" to confirm the deletion.</li> </ol>
Alternative Flows:	None..
Exceptions:	None.
Includes:	None.
Special requirements:	None.
Assumptions:	The system stores and retrieves reviews from a database.
Notes and Issues	None.

## Functional Requirement 5

### Aggregate and Display Rating and Reviews

Use Case ID:	HAWK-5.1		
Use Case Name:	Aggregate and Display Rating and Reviews		
Created by:	Aliff	Last Updated by:	Kow Zi Ting
Date Created:	2025-02-06	Date Last Updated:	2025-04-17

Actors:	Consumer
Description:	The application aggregates ratings and reviews for each stall and displays the average rating on the stall page.
Preconditions:	<ol style="list-style-type: none"><li>1. The stall must have at least one review.</li><li>2. The consumer is on the stall's page.</li></ol>
Postconditions:	Consumers can view the average rating of the stall.
Priority:	High
Frequency of Use:	Frequent
Flow of events:	<ol style="list-style-type: none"><li>1. System calculates the average rating for the stall based on all submitted ratings.</li><li>2. System displays the aggregate rating alongside the total reviews on the stall's page.</li></ol>
Alternative Flows:	None
Exceptions:	If no reviews are available, display "0.0" as the default average rating.
Includes:	None
Special requirements:	None
Assumptions:	None.
Notes and Issues	None

## Functional Requirement 6

### Sort Reviews

Use Case ID:	HAWK-6.1		
Use Case Name:	Sort Reviews		
Created by:	Aliff	Last Updated by:	Kow Zi Ting
Date Created:	2025-02-06	Date Last Updated:	2025-04-17

Actors:	Consumer
Description:	Allows users to sort reviews by rating or recency.
Preconditions:	<ol style="list-style-type: none"><li>1. The stall must have existing reviews.</li><li>2. The Consumer is on the stall's page.</li></ol>
Postconditions:	Consumers can view reviews sorted according to rating or recency.
Priority:	Normal
Frequency of Use:	Frequent
Flow of events:	<ol style="list-style-type: none"><li>1. Consumer navigates to the stall's reviews section.</li><li>2. Consumer selects a sorting preference from the dropdown list ("Most Recent," "Highest Rating," or "Lowest Rating").</li><li>3. System applies the selected sorting preference.</li><li>4. System updates the display to match the preference.</li><li>5. Consumer views sorted reviews.</li></ol>
Alternative Flows:	None
Exceptions:	None.
Includes:	None
Special requirements:	None
Assumptions:	None

Notes and Issues	None
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## Functional Requirement 7

### Report Review

Use Case ID:	HAWK-7.1		
Use Case Name:	Report Review		
Created by:	Aliff	Last Updated by:	Kow Zi Ting
Date Created:	2025-02-06	Date Last Updated:	2025-04-17

Actors:	Consumer, Hawker, Admin
Description:	Allows Consumer and Hawkers to report reviews that are irrelevant, offensive or spam.
Preconditions:	<ol style="list-style-type: none"><li>1. Consumer/Hawker must be logged in.</li><li>2. Consumer/Hawker is on the stall's page.</li></ol>
Postconditions:	<ol style="list-style-type: none"><li>1. The reported review is removed from the stall's page.</li><li>2. Admins receive the reported review for processing.</li></ol>
Priority:	Normal
Frequency of Use:	Occasional
Flow of events:	<ol style="list-style-type: none"><li>1. Consumer navigates to a review.</li><li>2. Consumer selects the flag icon beside the review.</li><li>3. Consumer chooses a predefined category under the reasons for reporting ("Spam," "Offensive" or "Irrelevant to food").</li><li>4. Consumer provides additional details on why they are reporting the review.</li><li>5. Consumer clicks "Submit Report"</li><li>6. Admins receive the reported review.</li><li>7. System confirms the report submission to the Consumer "Thank you for your feedback. We'll review this report".</li></ol>
Alternative Flows:	None.
	None.

Includes:	None.
Special requirements:	None.
Assumptions:	Consumers will report reviews responsibly.
Notes and Issues	None.

## Functional Requirement 8

### Save Favourite Stalls

Use Case ID:	HAWK-8.1		
Use Case Name:	Save Favourite Stalls		
Created by:	Kow Zi Ting	Last Updated by:	Kow Zi Ting
Date Created:	2025-02-06	Date Last Updated:	2025-04-17

Actors:	Consumer.
Description:	Allows Consumer to save their favourite hawker stalls for quick access.
Preconditions:	Consumer must be logged into the application.
Postconditions:	The hawker stall is saved under the Consumer's profile.
Priority:	Normal
Frequency of Use:	When Consumers choose to save stalls for quick access.
Flow of events:	<ol style="list-style-type: none"><li>1. Consumer searches for the hawker stall by name or filter.</li><li>2. Consumer selects the heart icon on the top right corner of the stall tab.</li><li>3. Consumer can view the saved stall under "Saved Stalls" in their profile</li></ol>
Alternative Flows:	None.
Exceptions:	None.
Includes:	None.
Special requirements:	None.
Assumptions:	None.
Notes and Issues	None.

## Delete Favourite Stalls

Use Case ID:	HAWK-8.2		
Use Case Name:	Delete Favourite Stalls		
Created by:	Kow Zi Ting	Last Updated by:	Kow Zi Ting
Date Created:	2025-02-06	Date Last Updated:	2025-04-17

Actors:	Consumer.
Description:	Allows Consumers to delete their saved hawker stalls.
Preconditions:	Consumers must be logged into the application.
Postconditions:	The saved hawker stall is successfully removed from the user's list of Saved Stalls.
Priority:	Normal
Frequency of Use:	When Consumers choose to delete their saved stalls.
Flow of events:	<ol style="list-style-type: none"> <li>1. Consumer searches for the hawker stall by name or filter.</li> <li>2. Consumer selects the red heart icon on the top right corner of the stall tab.</li> <li>3. Consumer will no longer be able to view the saved stall under "Saved Stalls" in their profile</li> </ol>
Alternative Flows:	None.
Exceptions:	None.
Includes:	None.
Special requirements:	None.
Assumptions:	None.
Notes and Issues	None.



## Functional Requirement 9

### Notify Consumer

Use Case ID:	HAWK-9.1		
Use Case Name:	Notify Consumer		
Created by:	Kow Zi Ting	Last Updated by:	Kow Zi Ting
Date Created:	2025-02-06	Date Last Updated:	2025-02-19

Actors:	System, Consumer
Description:	Allows System to notify Consumers on new stalls added to nearby hawker centres, promotions at hawker stalls and successful actions done within the application.
Preconditions:	Consumer must be logged into the application.
Postconditions:	Notifications will appear in Consumer's notifications mailbox.
Priority:	HIGH
Frequency of Use:	Every use of the application.
Flow of events:	<ol style="list-style-type: none"><li>1. Consumer selects the bell icon on the Dashboard</li><li>2. Consumer views the notifications accumulated within the notifications mailbox.</li></ol>
Alternative Flows:	<p>If there are no notifications accumulated within the notifications mailbox:</p> <ul style="list-style-type: none"><li>• The mailbox will show the text: "Great, you're all caught up!"</li></ul>
Exceptions:	None.
Includes:	None.
Special requirements:	None.
Assumptions:	None.
Notes and Issues	None.

## Functional Requirement 10

### Add Stall

Use Case ID:	HAWK-10.1		
Use Case Name:	Add Stall		
Created by:	Kow Zi Ting	Last Updated by:	Kow Zi Ting
Date Created:	2025-02-06	Date Last Updated:	2025-04-17

Actors:	Hawker
Description:	Allows Hawkers to add information associated with their stalls.
Preconditions:	Hawker must be logged into the application.
Postconditions:	Stall information is added and shows successfully on searching by Consumer
Priority:	High
Frequency of Use:	When Hawkers have a new stall.
Flow of events:	<ol style="list-style-type: none"><li>1. Hawker clicks the “Add New Stall” button on the Dashboard.</li><li>2. System prompts Hawker to fill in the Stall Name, Unit Number, Opening and Closing Time and select its Hawker Centre, Cuisine Types it offers, the Price Range of the food, Hygiene Rating and attach photos of the stall.</li><li>3. Hawker clicks the “Add Stall” button.</li><li>4. Hawker receives a notification saying “Stall added successfully!”.</li></ol>
Alternative Flows:	None.
Exceptions:	None.
Includes:	None.
Special requirements:	None.
Assumptions:	None.

Notes and Issues	None.
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## Edit Stall

Use Case ID:	HAWK-10.2		
Use Case Name:	Edit Stall		
Created by:	Kow Zi Ting	Last Updated by:	Kow Zi Ting
Date Created:	2025-02-06	Date Last Updated:	2025-04-17

Actors:	Hawker
Description:	Allows Hawkers to edit information associated with their stalls.
Preconditions:	Hawker must be logged into the application.
Postconditions:	Stall information is updated and updated information is reflect on searching by Consumer.
Priority:	High
Frequency of Use:	1. When Hawkers choose to edit their stall information.
Flow of events:	2. Hawker clicks the pen icon on the bottom left corner of their stall's tab. 3. System displays the Stall Name, Unit Number, Opening Time, Closing Time, Hawker Centre, Cuisine Types, Price Range and Hygiene Rating of the stall for the Hawker to edit. 4. Hawker edits the necessary fields. 5. Hawker clicks the "Save Changes" button. 6. Hawker receives a notification saying "Stall updated successfully!".
Alternative Flows:	None.
Exceptions:	None.
Includes:	None.
Special requirements:	None.
Assumptions:	None.
Notes and Issues	None.

## Delete Stall

Use Case ID:	HAWK-10.3		
Use Case Name:	Delete Stall		
Created by:	Kow Zi Ting	Last Updated by:	Kow Zi Ting
Date Created:	2025-02-06	Date Last Updated:	2025-0

Actors:	Hawker.
Description:	Allows Hawkers to delete their stalls.
Preconditions:	Hawker must be logged into the application.
Postconditions:	<ol style="list-style-type: none"> <li>1. Stall is removed from the stall list and does not appear on searching or filtering by Consumers.</li> </ol>
Priority:	High
Frequency of Use:	When Hawkers are no longer operating a stall.
Flow of events:	<ol style="list-style-type: none"> <li>1. Hawker clicks the bin icon on the bottom left corner of their stall's tab.</li> <li>2. System displays a confirmation message "Are you sure you want to delete this stall? This action cannot be undone."</li> <li>3. Hawker clicks the "Delete" button.</li> <li>4. Hawker receives a notification saying "Stall deleted successfully!"</li> </ol>
Alternative Flows:	None.
Exceptions:	None.
Includes:	None.
Special requirements:	None.
Assumptions:	None.
Notes and Issues	None.

## Add Dish

Use Case ID:	HAWK-10.4		
Use Case Name:	Add Dish		
Created by:	Kow Zi Ting	Last Updated by:	Kow Zi Ting
Date Created:	2025-02-06	Date Last Updated:	2025-04-17

Actors:	Hawker.
Description:	Allows Hawkers to add new dishes on each stall's menu.
Preconditions:	1. Hawker must be logged into the application.
Postconditions:	New dishes and prices are updated and displayed on the Stall page when any user views the Stall.
Priority:	NORMAL
Frequency of Use:	When Hawkers release a new dish for their stall.
Flow of events:	<ol style="list-style-type: none"> <li>1. Hawker clicks the "Manage Dishes" button on the stall's tab.</li> <li>2. Hawker clicks the "Add New Dish" button.</li> <li>3. System prompts Hawker to fill in the Dish Name, Price and attach Photos of the Dish.</li> <li>4. Hawkers fills in the Dish Name, Price and attaches Photos of the dish.</li> <li>5. Hawker clicks the "Add Dish" button.</li> <li>6. Hawker receives a notification saying "Dish Added successfully".</li> </ol>
Alternative Flows:	AF-8: If Hawker adds a dish on promotion <ul style="list-style-type: none"> <li>• After Step 4, Hawker toggles "This dish is on promotion".</li> <li>• System prompts Hawker to fill in the Discounted Price of the dish, Start Date and End Date of the promotion.</li> <li>• Flow returns to Step 5.</li> </ul>
Exceptions:	If Hawker enters a discounted price that is greater or equal to the existing price of the dish: <ul style="list-style-type: none"> <li>• System will show the alert: "Discounted price must be less than regular price".</li> </ul>
Includes:	None.

Special requirements:	None.
Assumptions:	None.
Notes and Issues	None.

## Edit Dish

Use Case ID:	HAWK-10.5		
Use Case Name:	Edit Dish		
Created by:	Kow Zi Ting	Last Updated by:	Kow Zi Ting
Date Created:	2025-02-06	Date Last Updated:	2025-04-17

Actors:	Hawker.
Description:	Allows Hawkers to edit dishes on each stall's menu.
Preconditions:	1. Hawker must be logged into the application.
Postconditions:	Updated dish information is displayed on the Stall page when any Consumer views the Stall.
Priority:	Normal.
Frequency of Use:	When hawkers want to edit their dish information.
Flow of events:	<ol style="list-style-type: none"> <li>1. Hawker clicks the "Manage Dishes" button on the stall's tab.</li> <li>2. Hawker clicks the pen icon on the bottom left corner of the Dish tab..</li> <li>3. System displays the Dish Name, Price, Photo, Promotional Status, Discounted Price, Start Date and End Date for the Hawker to edit.</li> <li>4. Hawker edits the necessary fields.</li> <li>5. Hawker clicks the "Save Changes" button.</li> <li>6. Hawker receives a notification saying "Dish updated successfully".</li> </ol>
Alternative Flows:	None.
Exceptions:	<p>If Hawker enters a discounted price that is greater or equal to the existing price of the dish:</p> <ul style="list-style-type: none"> <li>• System will show the alert: "Discounted price must be less than regular price".</li> </ul>
Includes:	None.
Special requirements:	None.
Assumptions:	None.



Notes and Issues	None.
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## Delete Dish

Use Case ID:	HAWK-10.6		
Use Case Name:	Delete Dish		
Created by:	Kow Zi Ting	Last Updated by:	Kow Zi Ting
Date Created:	2025-02-06	Date Last Updated:	2025-04-17

Actors:	Hawker.
Description:	Allows Hawkers to delete dishes on each stall's menu.
Preconditions:	Hawker must be logged into the application.
Postconditions:	Dish is removed from the stall's menu.
Priority:	Normal.
Frequency of Use:	When hawkers are no longer offering a dish at their stall.
Flow of events:	<ol style="list-style-type: none"> <li>1. Hawker clicks the bin icon on the bottom left corner of their dish's tab.</li> <li>2. System displays a confirmation message "Are you sure you want to delete this dish? This action cannot be undone."</li> <li>3. Hawker clicks the "Delete" button.</li> </ol>
Alternative Flows:	None.
Exceptions:	None.
Includes:	None.
Special requirements:	None.
Assumptions:	None.
Notes and Issues	None.

# Functional Requirement 11

## Select Admin Activity

Use Case ID:	HAWK-11.1		
Use Case Name:	Select Admin Activity		
Created by:	Kow Zi Ting	Last Updated by:	Kow Zi Ting
Date Created:	2025-02-06	Date Last Updated:	2025-04-17

Actors:	Admin.
Description:	Allows Admins to select the actions they would like to take.
Preconditions:	Admin must be logged into the system.
Postconditions:	Admin enters the page of the activity he would like to perform.
Priority:	High
Frequency of Use:	Every day.
Flow of events:	<ol style="list-style-type: none"><li>1. On the Dashboard, Admin sees "Hawker Approvals" and "Reported Reviews".</li><li>2. If Admin clicks on "Manage Approvals", then Admin uses the use case Verify Hawker.</li><li>3. If Admin clicks on "Manage Reports", then Admin uses the use case "Process Reviews".</li></ol>
Alternative Flows:	None.
Exceptions:	None.
Includes:	Process Review (HAWK-11.2), Verify Hawker (HAWK-11.3)
Special requirements:	None.
Assumptions:	None.
Notes and Issues	None.

## Process Review

Use Case ID:	HAWK-11.2		
Use Case Name:	Process Review		
Created by:	Kow Zi Ting	Last Updated by:	Kow Zi Ting
Date Created:	2025-02-06	Date Last Updated:	2025-04-17

Actors:	Admin.
Description:	Allows Admin to delete reported reviews.
Preconditions:	Admin must be logged into the system.
Postconditions:	<ol style="list-style-type: none"> <li>1. Errant review is deleted.</li> <li>2. Admin receives a notification confirming the deletion.</li> <li>3. Ratings for the stall are reaggregated taking into account the deleted review.</li> </ol>
Priority:	HIGH
Frequency of Use:	Every day.
Flow of events:	<ol style="list-style-type: none"> <li>1. Admin clicks the “Manage Reports” button on their Dashboard.</li> <li>2. Admin sees the list of reported reviews with the following information: <ol style="list-style-type: none"> <li>a. Review ID</li> <li>b. Content of review</li> <li>c. Rating of review</li> <li>d. Report Type</li> <li>e. Writer of review</li> <li>f. Name of reporter</li> <li>g. Pending actions for review</li> </ol> </li> <li>3. Admin assesses the content of the reported review and verifies it against the reason for reporting.</li> <li>4. If the reason for reporting is legitimate, Admin does not take any action, allowing the review to remain deleted.</li> </ol>
Alternative Flows:	None.
Exceptions:	<p>If the review does not violate review policies:</p> <ol style="list-style-type: none"> <li>1. After Step 3, Admin clicks “Ignore” under pending actions to restore the review on the stall page.</li> <li>2. Admin receives a notification “Successfully ignored</li> </ol>

	reported review”.
Includes:	None.
Special requirements:	None.
Assumptions:	Administrators are impartial and fully follow review policies in evaluating reports.
Notes and Issues	None.

## Verify Hawker

Use Case ID:	HAWK-11.3		
Use Case Name:	Verify Hawker		
Created by:	Kow Zi Ting	Last Updated by:	Kow Zi Ting
Date Created:	2025-02-19	Date Last Updated:	2025-04-17

Actors:	Admin
Description:	Allows Admins to verify Hawkers.
Preconditions:	Admin must be logged into the system.
Postconditions:	<ol style="list-style-type: none"> <li>1. The Hawker profile is assigned to the Hawker's account.</li> <li>2. The Hawker is able to log into their account.</li> </ol>
Priority:	HIGH
Frequency of Use:	Every day.
Flow of events:	<ol style="list-style-type: none"> <li>1. Admin clicks the "Manage Approvals" button on their Dashboard.</li> <li>2. Admin sees the list of Hawker accounts pending verification, including: <ol style="list-style-type: none"> <li>a. Request ID</li> <li>b. Hawker Name</li> <li>c. Hawker's SFA Licence Number</li> <li>d. Hawker's Address</li> <li>e. Hawker's Contact Number</li> </ol> </li> <li>3. Admin verifies the legitimacy and validity of the SFA Licence Number.</li> <li>4. Admin clicks "Approve" under pending actions.</li> </ol>
Alternative Flows:	None.
Exceptions:	<p>If Hawker's SFA licence number is invalid:</p> <ol style="list-style-type: none"> <li>1. After Step 3, Admin takes no action so the Hawker remains unable to log into his account.</li> </ol>
Includes:	None.
Special requirements:	None.
Assumptions:	None.

Notes and Issues	None.
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