
Use Cases

for

SharEat

Version 1.0 approved

Prepared by Group M

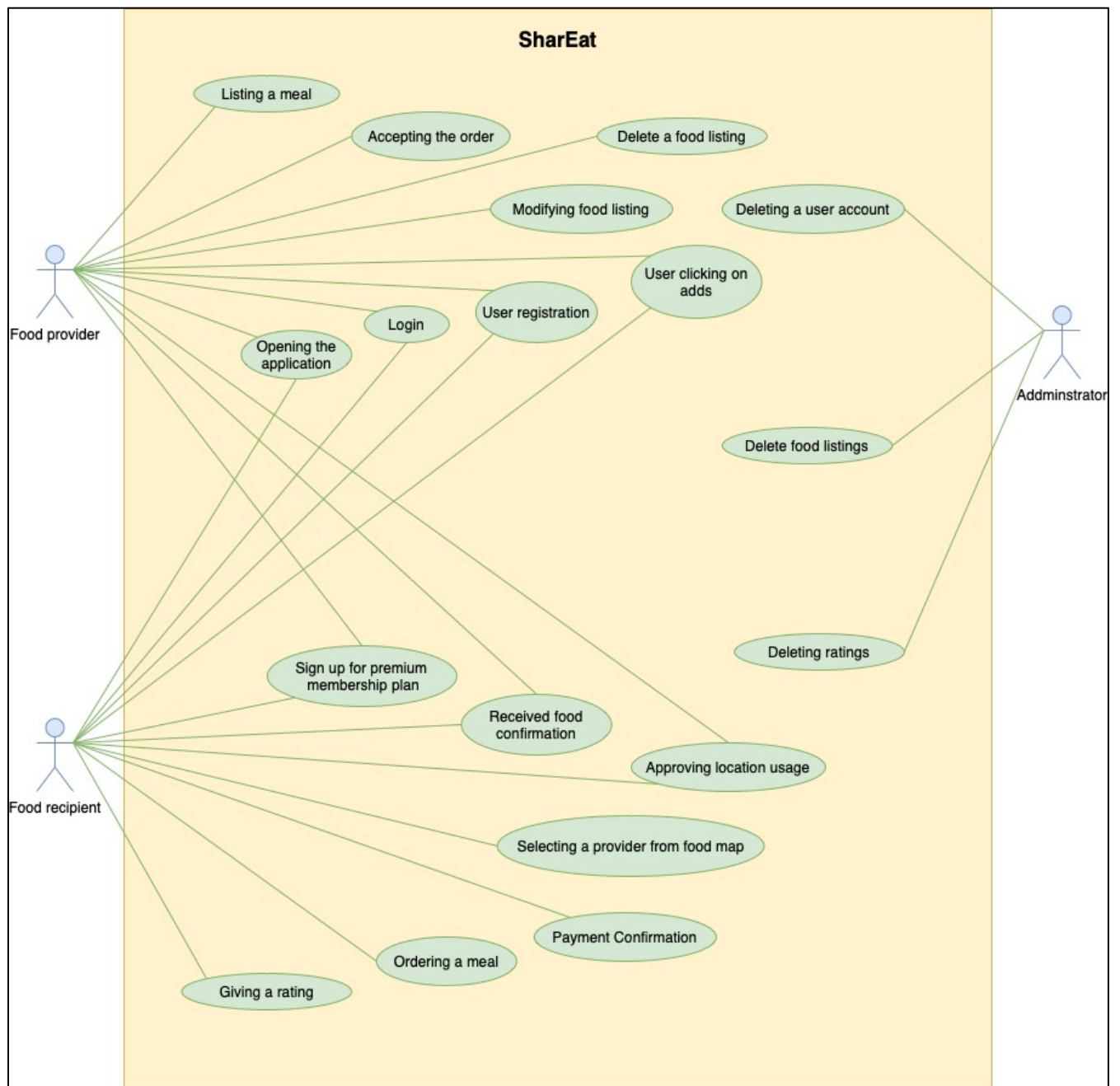
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Revision History

Name	Date	Reason For Changes	Version
Group M	5.10.2021	Initial draft	1.0
Group M	13.10.2021	Revision based on requirements document	1.1

1. Use case diagram



2. List of use cases

The following tables describe the different use cases that are part of the SharEat application.

ID	UC-1
Use case name and version	Opening the application
Actors	User (recipients, providers)
Preconditions	Application is downloaded and installed
Description	The application starts up and the user is presented with a login and registration window
Exceptions	
Postconditions	The user sees the login or registration window
*Supplemental information	The application starts up in ~3 seconds. It should not give off the appearance of having frozen.

ID	UC-2
Use case name and version	User registration
Actors	User (recipients, providers), user database
Preconditions	Functioning internet connection
Description	The user clicks to create a new account: the view transitions into an account information window. The user inputs their first name, last name, e-mail address, phone number and a password into the given fields. The user then clicks next: a notification pops up asking them if they wish to be able to also list meals. The user chooses yes: the view transitions and now requires banking details and an optional operating name. The user fills each of the fields confirms the account creation. The user must activate his/ her account by clicking on the confirmation mail received on his/ her email ID.
Exceptions	The user fails to give inputs that match the given requirements for the field: the user is notified. The user inputs details that already exist in the database: the user is notified.
Postconditions	A new account has been created and the user will now be redirected to the login screen.
*Supplemental information	Account confirmation e-mail sent to given address

ID	UC-3
Use case name and version	Login
Actors	User (recipients, providers)
Preconditions	The user has successfully created and confirmed an account, login view, functioning internet connection
Description	The user types in their e-mail address and password, and presses login.
Exceptions	Incorrect e-mail or password: user is notified
Postconditions	The user is logged in and is brought to the main view
*Supplemental information	

ID	UC-4
Use case name and version	Approving location usage
Actors	User (recipients, providers)
Preconditions	User has successfully logged in, user has not enabled location data prior
Description	Upon first entering the main view the application asks for permission to access the device's location. The user then allows said data to be used.
Exceptions	Location data unavailable, user denies permission: they are informed that sharing your location is necessary for the app to function.
Postconditions	Application has access to device's location. Users can see their local area food map and respective meal listings.
*Supplemental information	

ID	UC-5
Use case name and version	Selecting a provider from the food map
Actors	User (Recipients)
Preconditions	User has successfully registered, logged in and has enabled location data
Description	The user would be able to view the list of food providers in the food map. There will be several types of food listings based on the food provider and upon deciding, the user can click on the specific food provider.
Exceptions	Only a local food providers list will be shown. Food providers from a different area will not be visible as the user (food provider) will be out of range. There are no meal listings.
Postconditions	User has selected a food provider, and can view his/ her listings
*Supplemental information	

ID	UC-6
Use case name and version	Ordering a meal
Actors	User (Recipients)
Preconditions	User has logged in and has selected the food provider.
Description	After selecting the food provider, the user can select a specific food from the listed options. The user must select the quantity of food and any other condiments listed alongside. After all the selections are done, the user can finally place the order and add it to the cart.
Exceptions	Without mentioning the quantity, the meal will not proceed for order completion. If a meal has been selected but it has just been flagged as unavailable by the provider, the order will not be placed.
Postconditions	Selected meal has been added to the cart and the user can view/ modify the cart and move forward to payment.
*Supplemental information	

ID	UC-7
Use case name and version	Payment confirmation
Actors	Food recipient
Preconditions	Functioning internet connection. The user successfully logged in. The user should have already placed the order.
Description	Soon after the user places the order, the user navigates to the checkout screen where the user can see the payment details with order details. The user should be able to review and confirm the payment by clicking the confirm payment button there.
Exceptions	Given bank details are wrong. Payment through the given bank account fails.
Postconditions	User should receive order details with payment confirmation notification for successful payment
*Supplemental information	Allow to make the payment through visa, master card options other than the registered bank account details at the user registration.

ID	UC-8
Use case name and version	Received food confirmation
Actors	Food recipient, Food Provider
Preconditions	The user successfully logged in. The user should have already placed the order and made the payment.
Description	Once the user pickups the order from the food provider, the user can verify the order and notify the food provider that ordered details are correct and successful through the app.
Exceptions	No meal available at the destination, for whatever reason: user has the option to choose “report” instead of confirming.
Postconditions	The user gets a food received confirmation message and the food provider gets the food delivered confirmation message.
*Supplemental information	Option to report in case of fail pickup

ID	UC-9
Use case name and version	Giving a rating
Actors	Food recipient
Preconditions	The user successfully logged in. User should have received the food.
Description	When the user has already received the food, the user should be able to rate the received items and food provider by giving the stars and providing feedback on comment fields. Once the user has given feedback, calculate the average rating of that food provider and display it for other users when selecting the food provider.
Exceptions	User never gives a rating.
Postconditions	Ratings should be displayed when selecting the food provider by other users.
*Supplemental information	Rating through stars (1-5), “How well did the meal match the description?”, “How satisfied were you with the meal?”, Additional feedback textbox

ID	UC-10
Use case name and version	Listing a meal
Actors	Food provider
Preconditions	A working internet connection, registered account, payment details added, location shared, camera access granted
Description	The user clicks the “list a meal” button, click on the camera button to upload a photo of the meal and confirm the photo of the meal by clicking on the confirm button, mention quantities in the quantity field, description in the text field, add the list of condiments with an “yes/ no” button alongside, list a price in the price field, provide an offer expiry time for the listed meal. confirm the listing by clicking on the submit button.
Exceptions	<ul style="list-style-type: none"> Given price exceeded amount per item: user is notified Submitting a meal without filling up the mandatory fields: user is notified Image file size too large: user is notified
Postconditions	A confirmation message is displayed to the user after successfully listing a meal. The meal is now listed in the food provider menu
*Supplemental information	

ID	UC-11
Use case name and version	Accepting the order
Actors	Food provider
Preconditions	A working internet connection and the installed application on the smartphones of both actors.
Description	The food provider receives a notification on the app, indicating that for his/her listed food a request has been placed. The requestor’s (i.e., potential receiver’s) basic info (such as name, rating, distance from provider, etc.) will be displayed on the app, along with two other options – Accept or Reject.
Exceptions	
Postconditions	If the provider clicks the “Accept” button, a “Request confirmed” message is sent to the receiver, and that food listing will be deleted from the app menu. If the provider clicks the “Reject” button, a “Request denied” message will be sent to the requester.
*Supplemental information	

ID	UC-12
Use case name and version	Signing up for a premium membership plan
Actors	User (i.e., Food provider, food recipient)
Preconditions	The user must be registered on SharEat and not already have a premium membership. The user must have the app installed on his smartphone.
Description	The user clicks on “My profile” button on the app, leading to a new menu window. From the menu window, the user clicks on the option written as “Upgrade to Premium.” A new window opens asking for payment details. The user enters his card details and confirms the payment by clicking on the “Submit” button.
Exceptions	Payment transaction fail: user is notified. Due to some error in backend, the premium membership status is not reflected in the user’s profile.
Postconditions	Upon successful transaction, the user’s membership is auto upgraded to premium, and the same is displayed in his profile (via text, “premium” next to the user’s name).
*Supplemental information	The payment can be made via visa, master card or net banking.

ID	UC-13
Use case name and version	The user clicking on ads (Generic and premium subscription)
Actors	Users (Food provider, food recipient)
Preconditions	The app is installed (and the user is a non-premium member), an internet browser exists on the user's smartphone
Description	<p>Generic ads</p> <p>Such ads appear for a non-premium user (always) and not for a premium user.</p> <p>The generic ads appear twice on a user's phone in a typical ordering/ listing scenario.</p> <p>Once the app is opened, a Google Ad pops up on the screen.</p> <p>For the receiver, an ad is also displayed after the food is successfully ordered (incl. payment completion). For a provider, an ad is also displayed after successfully listing a meal.</p> <p>Premium subscription ad</p> <p>A message window adjacent to the food listings menu is always displayed for non-premium users, reading "Upgrade to premium."</p>
Exceptions	Due to poor internet connection, no ads are loaded in the app menu.
Postconditions	<p>The generic ad may have a "close" button at the bottom to close it. Clicking anywhere else on the ad results in opening the ad's relevant website in the user's phone browser.</p> <p>Clicking on the "premium subscription" ad, redirects the user to the app page to sign up for premium membership plan.</p>
*Supplemental information	One-time payment for signing up for premium membership.

ID	UC-14
Use case name and version	Delete a food listing
Actors	Administrator
Preconditions	Admin is logged in, internet is connected, the food listing to be deleted exists
Description	The admin clicks a food listing that needs to be deleted: the view transitions into food listing window. The admin clicks the trashcan icon to delete the listing: A popup confirmation is displayed where the admin can provide a reason for the deletion as text and confirm the deletion. After confirmation, the food listing will be deleted from the database.
Exceptions	If the admin permissions are removed, the action will be cancelled, and administrator and the user will be notified.
Postconditions	The food listing is deleted from the database. The administrator will be notified.
*Supplemental information	Admin actions will be logged and stored.

ID	UC-15
Use case name and version	Delete a food listing
Actors	Food provider
Preconditions	Provider is logged in, internet is connected, the food listing to be deleted exists
Description	The provider clicks on the food listing that needs to be deleted. The provider now clicks on a trashcan icon at the end of the meal to delete the listing: A popup confirmation is displayed containing two buttons – <i>Confirm</i> and <i>Discard</i> . The provider can confirm whether he/ she wants to proceed with the deletion by clicking on the Confirm button, or clicking on Discard, otherwise. After confirmation, the respective meal will be deleted from the food listing. A notifier pop-up window is displayed confirming the deletion.
Exceptions	The meal about to be deleted was ordered during the deletion process. A meal order will not be successful (go-through) when the provider is editing that respective meal listing.
Postconditions	The meal is deleted from the food listing menu.
*Supplemental information	

ID	UC-16
Use case name and version	Modify a food listing
Actors	Food provider
Preconditions	Provider is logged in, internet is connected, the food listing to be modified exists
Description	The provider clicks the food listing that needs to be modified. The He/ she clicks the pencil icon to modify the listing. The view transitions into editable form window where the texts can be edited, and food images deleted. After modifications, the provider presses the save button, and the modified food listing will be updated in the listing menu. The provider will be notified of the confirmed modification.
Exceptions	The food listing was deleted during the modification: The provider who is modifying will be notified about the deletion, when he tries to save the changes, and nothing will change.
Postconditions	The food listing is modified in the listing menu. The provider will be notified.
*Supplemental information	Admin actions will be logged and stored.

ID	UC-17
Use case name and version	Delete a user account
Actors	Administrator
Preconditions	Admin is logged in, internet is connected, the user to be deleted exists
Description	The admin clicks the user account that needs to be deleted: the view transitions into account page. The admin clicks the trashcan icon to delete the user: A popup confirmation is displayed where the admin can provide a reason for the deletion as text and confirm the deletion. After confirmation, the user will be deleted from the database and the user will receive an email about the deletion.
Exceptions	If the admin permissions are removed, the action will be cancelled, and administrator will be notified.
Postconditions	The user is deleted from the database. The administrator will be notified.
*Supplemental information	Admin actions will be logged and stored.

ID	UC-18
Use case name and version	Delete a rating
Actors	Administrator
Preconditions	Admin is logged in, internet is connected, the rating to be deleted exists
Description	The admin clicks a rating that needs to be deleted: a small menu popup will appear on top of the window. The admin clicks the delete option to delete the rating: A popup confirmation is displayed where the admin can provide a reason for the deletion as text and confirm the deletion. After confirmation, the rating will be deleted from the database.
Exceptions	If the admin permissions are removed, the action will be cancelled, and administrator will be notified.
Postconditions	The rating is deleted from the database.
*Supplemental information	Admin actions will be logged and stored.