Group 08

Tasty Tongue
Use-case Specification

Version 1.3

Revision History

Date	Version	Description	Author
13/11/2023	1.0	Initial format, UC-16 -> UC-17	Bui Ngoc Kieu Nhi
13/11/2023	1.1	UC-1 -> UC-10	Nguyen Phung Tai
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Use-Case Specification

1. Use-Case Name: Sign up

Use Case ID	UC-1
Use Case Name	*Sign up*
Description	The customer creates a new account on the website to access additional features and personalized services.
Actors	Guest user
Basic flows	1. The user navigates to the main domain of the Tasty Tongue website. 2. The user clicks on the "Login" button on the homepage. 3. The user is directed to log in page 4. The user clicks on the "Register" button 5. The user is directed to the registration page. 6. The user enters information including username, full name, email, and password. 7. The system authenticates the information, ensuring the email is not already linked to an existing account. 8. The system creates an account for the customer based on the entered information. 9. The system sends a verification code to the entered email for activation. 10. The user checks their email to obtain the verification code. 11. The user enters the verification code. 12. The user clicks the verification button. 13. The system verifies the entered code to activate the account. 14. The system redirects the user to the login page.
Alternative flows	5a. The user clicks the back arrow 5a1. The user is redirected to login page Use-Case continues to step 3. 7a. User's email is already associated with an existing account. 7a1. The system informs the user that email is already in use. Use-Case continues to step 5. 10a. User did not receive the email including the verification code. 10a1. The user presses the "Send email again" button. Use-Case continues to step 9. 13a. .User enters an incorrect verification code. 13a1. The system informs the user of the incorrect verification code. Use-Case continues to step 11
Exception flows	None
Special requirements	- The authentication process should not be over 1 minute.

	- The verification email should only be used once and acceptable in 2 minutes after submitting the registration information. - The verification code checking should only happen in 1 minute.
Preconditions	- The customer has internet access. - The Tasty Tongue website is accessible. - The user does not have an existing account on the Tasty Tongue website. - The user provides valid registration information (including user's name, password and email)
Postconditions	- The customer has successfully registered and activated an account on the Tasty Tongue website. - The user is redirected to the login page where they can use their new credentials to log in.
Extension points	None.

2. Use-Case Name: Log-in

Use Case ID	UC-2
Use Case Name	Log in
Description	This use case describes how the user logs in to their existing account on the Tasty Tongue website to access personalized content and services.
Actors	Customer, Staff, Admin
Basic flows	1. The user navigates to the main domain of the Tasty Tongue website. 2. The user clicks on the "LogIn" button on the homepage. 3. The user is directed to the login page 4. The user fills in their username and password. 5. The user clicks on the "Login" button to login. 6. The system authenticates the entered credentials 7. The system grants access to the user's account. 8. The system notifies of successful login 9. The system redirects the user to their personalized homepage.
Alternative flows	6a. The system fails to authenticate login information. 6a1. The system display a login failure message Use-Case continues to step 4.
Exception flows	3a. The user forgets their password 3a1. The user clicks on the "Forgot Password" link. Use-Case continues to UC-3
Special requirements	The authentication process should not be over 1 minute.
Preconditions	- The user has an activated account on the Tasty Tongue website.

Postconditions	- The customer is successfully logged in and has access to their personalized dashboard.
Extension points	None.

3. Use-Case Name: Forgot password

Use Case ID	UC-3
Use Case Name	Forgot password
Description	The user forgot the password of a registered account.
Actors	Customer, Staff
Basic flows	1. The user clicks on the "Forgot Password" link on the login page. 2. The user is redirected to the forgot password page. 3. The system requests the user to enter their email. 4. The user enters the email address. 5. The user clicks the "Send' button. 6. The system confirms whether the email has been registered. 7. The system sends a confirmation code to the entered email. 8. The user is redirected to the verification page 9. The user enters the verification code sent by the system 10. The user presses the "Verify" button. 11. The system verifies the entered code. 12. The system redirects to the password reset page. 13. The user enters a new password and confirms the new password. 14. The user presses the "Reset password" button. 15. The system confirms the new password and reconfirmation password are similar. 16. The system displays a notification indicating the process was successful. 17. The system updates the new password. 18. The system redirects to the login page.
Alternative flows	6a. The email has not been registered. 6a1. The system displays a notification "Email is not registered". Use-Case continues to step 3. 9a. The user did not receive the verification email. 9a1. The user presses the "Send email again" button. Use-Case continues to step 7. 15a. The new password and reconfirmation password are not the same. 15a1. The system displays a confirmation failure message. Use-Case continues to step 13. 2a. The user clicks the back arrow 2a1. The user is redirected to login page Use-Case continues to step 1.

Exception flows	None
Special requirements	The new password confirmation process should not be over 2 minutes.
Preconditions	- User forgot password
Postconditions	- The user can reset a new password.
Extension points	None.

4. Use-Case Name: Log-out

Use Case ID	UC-4
Use Case Name	Log out
Description	The user who is logged in logs out of their account on the Tasty Tongue website.
Actors	Customer, Staff, Admin (logged in)
Basic flows	1. The user clicks on the "User" button. 2. The user chooses to log out. 3. The system displays a confirmation request to users. 4. The users confirm to log out. 5. The system terminates the user's session and logs out the user's account..
Alternative flows	None
Exception flows	4a. The user chooses to cancel the request.. Use-Case stops here.
Special requirements	None.
Preconditions	- The user is logged in to the system.
Postconditions	- The user is logged out of the system.
Extension points	None.

5. Use-Case Name: See food details

Use Case ID	UC-5
Use Case Name	See food details
Description	The user views the food details on the Tasty Tongue website.

Actors	Customer, Staff, Admin
Basic flows	1. The user clicks Menu on the homepage. 2. The system navigates the user to the menu page. 3. The system displays the menu page. 4. The user clicks on the dish that they want to see in detail. 5. The system displays a popup page with detailed information about the selected dish
Alternative flows	4a. The user closes the popup. 4a1. The system closes the popup and returns to the menu page. Use-Case continues to step 3
Exception flows	None.
Special requirements	None.
Preconditions	The user is accessing the Tasty Tongue restaurant's website.
Postconditions	Detailed information about the dish is displayed to the user.
Extension points	None.

6. Use-Case Name: Search dish

Use Case ID	UC-6
Use Case Name	Search dish
Description	The customers find a specific dish with keywords by using the search bar.
Actors	Customer, Staff, Admin
Basic flows	1. On the home page, the user clicks on the search bar. 2. User enters the keyword or the name of the dish they want to find. 3. The user presses the enter button or clicks on the search icon. 4. The system retrieves the results the user has entered to find dishes on the menu 5. The system displays the resulted dishes to customers
Alternative flows	4a. No dishes are found 4a1. The system displays the message "No dish found in the menu you are looking for"
Exception flows	None
Special requirements	The time for the website to show results is under 3 seconds.
Preconditions	The customer is on the homepage of the Tasty Tongue website.
Postconditions	Customers find the food they are looking for.

Extension points	None.

7. Use-Case Name: Book table online

Use-Case ID	UC-7
Use Case Name	Book table online
Description	The user reserves a table at the Tasty Tongue restaurant through the website.
Actors	Customer, Staff (logged in)
Basic flows	1. The user clicks on the "Reservation" in the homepage. 2. The system navigates the user to the reservation page 3. The user enters details such as date, time, number, table and any special requests. 4. The user clicks the "Submit" button. 5. The system checks for table availability based on the provided information. 6. The system confirms the reservation 7. The system notifies whether the process was successful. 8. The system sends a confirmation email to the user. 9. The system saves table reservation information into the database 10. The system notifies staff about table reservation information
Alternative flows	5a. None of the tables meets the demands of the users. 5a1. The system notifies the user that there are not any tables that can satisfy their requests. Use-Case continues to step 2.
Exception flows	2a. The user clicks the another page 2a1. The system redirects the user to that page Use-Case stops here.
Special requirements	None.
Preconditions	The user is logged in.
Postconditions	The user successfully books the table as desired.
Extension points	None.

8. Use-Case Name: Cancel reservation

Use Case ID	UC-8
Use Case Name	Cancel reservation
Description	The customer cancels a table at the Tasty Tongue restaurant through the website.

Actors	Customer (logged in)
Basic flows	1. The user clicks on the "Reservation" in the homepage. 2. The system navigates the user to the reservation page. 3. The user clicks on the "Current reservation". 4. The system navigates the user to the current reservation page. 5. The system displays a list of reservations that the user has made but not yet used. 6. The user clicks cancel on the reservation they want to cancel. 7. The system displays a popup asking for confirmation. 8. The user chooses 'Yes'. 9. The system deletes table reservation information in the database. 10. The system notifies the user that the reservation was successfully canceled. 11. The system notifies staff about the canceled reservations.
Alternative flows	8a. The user chooses to cancel. Use-Case continues to step 5
Exception flows	4a. The user clicks the another page 4a1. The system redirects the user to that page. Use-Case stops here.
Special requirements	None.
Preconditions	- Customer is logged in. - Customer has made the reservation but cannot come.
Postconditions	- The customer successfully cancels the reservation.
Extension points	None.

9. Use-Case Name: Rating and comments

Use Case ID	UC-9
Use Case Name	Rating and comments
Description	The customer provides a rating and comments for a dining experience on the Tasty Tongue website.
Actors	Customer
Basic flows	1. The customer clicks on the "Reservation" in the homepage. 2. The system navigates the customer to the reservation page. 3. The customer clicks on the "History reservation" 4. The system navigates the customer to the history reservation page. 5. The customer selects the used reservation. 6. The customer rates and comments on the restaurant's service. 7. The customer clicks Submit.

	8. The system displays a confirmation popup. 9. The customer chooses 'Yes'. 10. The system stores the reviews to display for subsequent customers.
Alternative flows	9a. The customer chooses to cancel. Use-Case continues to step 4.
Exception flows	4a. The user clicks the another page 4a1. The system redirects the customer to that page Use case stop
Special requirements	None.
Preconditions	- The customer is logged in. - The customer has made a reservation and used the restaurant's service.
Postconditions	- The customer provides a rating and comments for experience on the Tasty Tongue website.
Extension points	None.

10. Use-Case Name: View personal information

Use Case ID	UC-10
Use Case Name	View personal information
Description	This use case describes how the user view personal information in Tasty Tongue website
Actors	Customer, Staff, Admin (logged in)
Basic flows	1. At the homepage, the user clicks on the user icon. 2. The system navigates the user to the profile page. 3. The system displays the user's personal information.
Alternative flows	None
Exception flows	2a. The user clicks an another page 2a1. The system navigates the user to that page Use-Case stops here.
Special requirements	- The personal information displayed should be masked or partially hidden for security reasons
Preconditions	- The user is logged into their account.
Postconditions	- The user successfully views their personal information.

Extension points	None.

11. Use-Case Name: Confirm customer arrival

Use Case ID	UC-11
Use Case Name	Confirm customer arrival
Description	Staff confirms on the website that the customer who made table reservations has arrived
Actors	Staff
Basic flows	1. Staff clicks on the 'Reservation' option on the Navigation bar. 2. Staff clicks on 'Current reservation' to see the upcoming bookings. 3. The system displays a list of reservations, sorting from the most recent to the furthest. 4. Staff chooses the reservation with the information of the customer they are interacting with. 5 The system shows a pop-up asking for confirmation of the customer's arrival. 6. Staff chooses 'Confirm'. 7. The system displays a notification indicating the action has been succeeded. 8. Staff closes the pop-up.
Alternative flows	6a. Staff mistakenly presses on the wrong booking. Staff chooses the option 'Cancel'. Use-Case continues to step 5.
Exception flows	6b. The customers do not come despite reservations. The system automatically cancels the reservation if the arrival confirmation does not happen after 20 minutes of the promised time. Use-Case stops here.
Special requirements	None.
Preconditions	Staff must have logged-in as staff beforehand.
Postconditions	The table's state is updated on the website.
Extension points	None.

12. Use-Case Name: Order food

Use Case ID	UC-12
Use Case Name	Order food
Description	Staff use the website to order food from customers' requests.
Actors	Staff

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Basic flows	1. Staff navigates to the staff's main page. 2. Staff clicks on the 'Tables' option 3. The system shows a list of tables that are occupied at the moment. 4. Staff fills in the floor and the table position of the customer they are serving. 5. The system displays a pop-up asking for actions. 6. Staff clicks on the 'Order food' option. 7. The system displays a list of dishes with quantity selection. 8. Staff chooses orders as customers' requests. 9. Take notes if the customers want to customize their dishes. 10. Staff presses 'Submit'.
Alternative flows	None.
Exception flows	7a. Customer changes their mind and does not want to order at that moment. Staff choose the 'Cancel order' option. Use-Case stops here.
Special requirements	None.
Preconditions	- Staff must have logged-in as staff beforehand. - The customer must already have the reservation details.
Postconditions	Customers' food orders are affirmed with specific notes.
Extension points	None.

13. Use-Case Name: Edit reservation details

Use Case ID	UC-14
Use Case Name	Edit reservation details
Description	Users can view details of the reserved tables and make changes in case the customers want to change any information about the bookings.
Actors	Staff
Basic flows	1. Staff clicks on the 'Reservation' option on the Navigation bar. 2. Staff chooses 'Current reservation' on the dropdown options. 3. The system displays a list of upcoming reservations. 4. Staff choose the reservation they want to edit details.. 2. System displays a pop-up with information about the bookings of that table. 3. Staff enter the modified details. 4. System checks if the edited details are valid. 5. System sends a confirmation message to the customers 6. System shows a notification indicating that reservation details were changed successfully.
Alternative flows	4a. The edited details are invalid.

	System shows an error message to the staff. Use-Case continues to UC-14.3.
Exception flows	4b. The edited details are invalid, then the customers do not want to change anymore. Staff close the pop-up with reservation details. Use-Case stops here. 5a. Customers did not reply to the confirmation message. None of the details are modified. Use-Case stops here.
Special requirements	None.
Preconditions	- Staff must have logged-in as staff beforehand. - Customers must have already booked a table.
Postconditions	- Reservation details are changed according to customers' requests.
Extension points	None.

14. Use-Case Name: Update dish's status

Use Case ID	UC-13
Use Case Name	Update dish's status
Description	Staff monitor and change the availability of the dishes on the website if the ingredients needed for those dishes are running out so that customers are updated.
Actors	Staff
Basic flows	1. Staff clicks on the 'Menu' option on the Navigation bar. 2. The system directs the staff to the menu for the staff page. 3. The system displays the menu with details and the state of each dish. 4. Staff browse the menu to look for the dish that needs updating. 5. Staff changes the availability of the dish. 6. The system displays a pop-up asking for confirmation. 7. Staff chooses 'Yes'. 8. The dish's status is updated on both the website for staff and customers.
Alternative flows	7a. The chosen dish is incorrect, so the staff pressess 'No'. Use-Case continues to UC-13.4.
Exception flows	None.
Special requirements	None.
Preconditions	Staff must have logged-in as staff beforehand.
Postconditions	The status of the dishes are updated on the website for both staff and customers to view.
Extension points	None.

15. Use-Case Name: Checkout for a table

Use Case ID	UC-15
Use Case Name	Checkout for a table
Description	Staff review the order again then calculate the total bill.
Actors	Staff
Basic flows	1. Staff navigates to the staff's main page. 2. Staff clicks on the 'Tables' option 3. The system shows a list of tables that are occupied at the moment. 4. Staff fills in the floor and the table position of the customer they are serving. 5. The system displays a pop-up asking for actions. 6. Staff chooses the option 'Checkout'. 7. System displays a list of ordered food for staff to review it for customers. 8. Staff insert promotional code. 9. The sum of money is calculated by the system. 10. Staff press the 'Paid' button after the customer finishes paying. 11. The system displays a notification indicating the payment was recorded. 12. The receipt is then saved in customers' 'History reservations'.
Alternative flows	7a. Inaccurate list of ordered food. Staff adds, edits or deletes the mistaken dishes from the list. Use-Case continues to UC-15.7. 8a. Customers do not have promotional code. Use-Case continues at UC-15.9.
Exception flows	6a. Customers change their minds and want to pay later. Staff choose the 'Cancel' option to go back to the main page. Use-Case stops here. 6b. Customers want to order more food instead of checking out. Staff choose the 'Order food' option to go to the menu for the staff. Use-Case continues to UC-12.7.
Special requirements	None.
Preconditions	- Staff must have logged-in as staff beforehand. - The customer must already have the reservation details.
Postconditions	- The payment is recorded. - The table's state is updated again on the website.
Extension points	None.

16. Use-Case Name: Manage user

Use Case ID	UC-16
Use Case Name	Manage user
Description	Admins are able to add, edit, and delete user accounts (staff and customer accounts).
Actors	Admin
Basic flows	1. Admin choose "View account information". 2. The system displays a list of accounts. 3. Admin interacts with accounts. 4. The system prompts for confirmation. 5. If confirmed, the admin clicks on the "Save" button to save.
Alternative flows	3a. The admin can add new users providing information such as name, image, phone number. 3b. The admin can edit existing users, modifying details such as name, image, phone number. 3c. The admin can remove users if they are no longer offered. Use-Case continues to step 4.
Exception flows	5a. If not, click on the "Cancel" button to cancel, and return to the previous page. Use-Case stops.
Special requirements	The system should enforce proper authentication and authorization measures to ensure that only authorized admins can access and manage the user account details.
Preconditions	- The admin must be logged into the website management system. - The admin must have the essential permissions to manage the website.
Postconditions	- The user account list is updated due to new users addition, user information modification, or users deletion.
Extension points	Admins want to view accounts's detailed information

17. Use-Case Name: Manage dish

Use Case ID	UC-17
Use Case Name	*Manage dish*
Description	The admin is responsible for adding, editing, and removing dishes from the menu.
Actors	Admin
Basic flows	1. The admin manages dishes by selecting the option "Update the menu". 2. The admin interacts with the dish's information.

	3. The system prompts for confirmation. 4. If confirmed, the admin clicks on the "Save" button to save.
Alternative flows	3a. The admin can add new dishes to the menu by providing information such as name, image, description, ingredients, and pricing. 3b. The admin can edit existing dishes, modifying details such as name, image, description, ingredients, or pricing. 3c. The admin can remove dishes from the menu if they are no longer offered. The admin can categorize dishes into different sections, such as appetizers, main courses, or desserts. 3d. The admin can update dish availability status, such as marking them as out of stock or seasonal specials. Use-Case continues to step 4.
Exception flows	5a. If not, click on the "Cancel" button to cancel, return the website to the previous version. Use-Case stops here.
Special requirements	The system should enforce proper authentication and authorization measures to ensure that only authorized admins can access and manage the dishes.
Preconditions	- Admin must have logged-in as admin beforehand. - The admin must have the necessary permissions to manage dishes.
Postconditions	- The menu is updated with new dishes, modified dish information, or removed dishes.
Extension points	The managed dish use case can be extended to include additional features, such as categorizing dishes into sections, managing dietary information (e.g., vegetarian, gluten-free), or integrating with inventory systems to track ingredient availability.

18. Use-Case Name: Manage website content

Use Case ID	UC-18
Use Case Name	*Manage website content*
Description	The admin is responsible for updating and maintaining the website's content.
Actors	Admin
Basic flows	1. The admin logs into the website management system. 2. The admin navigates to the "Website content management" section. 3. The admin interacts with website content. 4. The system prompts for confirmation. 5. If confirmed, the admin clicks on the "Save" button to save.

Alternative flows	3a. The admin can modify the textual content of the website, such as descriptions, menus, and promotional messages. 3b. The admin can update images and media files on the website, such as food item photos, promotion banners, and videos. Use-Case continues to step 4.
Exception flows	5a. If not, click on the "Cancel" button to cancel, return the website to the previous version. Use-Case stops here.
Special requirements	- The website management system should provide a user-friendly interface for the admin to easily make updates and modifications. - The system should enforce proper authentication and authorization measures to ensure that only authorized admins can access and manage the website.
Preconditions	- The admin must be logged into the website management system. - The admin must have the necessary permissions to manage the website.
Postconditions	- The website's content are updated as per the admin's actions.
Extension points	None.

19. Use-Case Name: Edit profile

Use Case ID	*UC-19*
Use Case Name	*Edit profile*
Description	The users can customize their own profiles.
Actors	Customer, Staff, Admin
Basic flows	1. The user clicks on the user icon on the homepage. 2. The system navigates the user to the profile page. 3. The user selects the edit profile option. 4. The user selects the information they want to change. 5. The user enters new information. 6. The user clicks edit after completing the edits 7. The system displays confirm popup 8. The user chooses yes. 9. The system stores the new information in the database.
Alternative flows	8a. The user chooses to cancel. Use-Case continues to step 3.
Exception flows	3a. The user clicks on another page.

	3a1. The system redirects the user to that page. Use-Case stops.
Special requirements	None
Preconditions	The user is logged in.
Postconditions	Changes on the user's profile are saved.
Extension points	None.