Version History Table

Version	Date	Description
v1.0	25.10.2023	-
v1.1	16/12/2023	New tests are added for new use cases.
v1.2	01/01/2024	New tests are added for the use cases 3, 8, 9, 10, 11.

Use Case 1: Register as a Diner

Test Case ID - Test Case Name	Description	Pre-conditions	Post-conditions	Data required
TC-01-01 - Diner can register successfully	Verify a diner can complete the registration process.	The reservation system is operational. Diner has a stable internet connection.	Diner has a new account, confirmation email received.	Diner username, password, phone number, email address.
TC-01-02 - Required fields validation	Verify the system validates required fields in the registration form.	The reservation system is operational. Diner starts registration.	All required fields are highlighted, error message displayed for missing information.	Attempt to register without filling all required fields.
TC-01-03 - Invalid email address	Verify the system detects and rejects invalid email addresses.	The reservation system is operational. Diner starts registration.	Error message displayed indicating invalid email format.	Attempt to register with an invalid email address (e.g., missing "@", invalid domain).
TC-01-04 - Password complexity requirements	Verify the system enforces password complexity requirements.	The reservation system is operational. Diner starts registration.	Error message displayed indicating password does not meet complexity requirements.	Attempt to register with a password not meeting complexity criteria (e.g., too short, missing special characters).
TC-01-05 - Secure data transmission	Verify the system uses secure connections (SSL/TLS) for data transmission.	The reservation system is operational. Diner starts registration.	HTTPS protocol used for website connection.	N/A

Use Case 2: Make Reservation

Test Case ID	Test Case Name	Description	Pre-conditions	Post-conditions	Data required
TC-02-01	Diner can make a reservation for a single person	Ensure that the system allows a diner to make a reservation for a single person.	- The reservation system is operational. - The diner has a stable internet connection. - The diner has selected a restaurant.	- The diner has successfully completed a reservation for a single person. - The reservation information, including the restaurant location, date, time, and the number of guests (1), is stored in the restaurant's reservation system. - A unique reservation ID is generated and associated with the diner's reservation. - The diner receives confirmation, sent to their email or phone number, with the reservation details. - The reservation system is updated with the new reservation, making the reserved table or dining area unavailable to other diners during the specified date and time.	Restaurant information, diner information (name, email, or phone number), reservation details (date, time, number of guests)
TC-02-02	Diner can make a reservation for multiple people	Ensure that the system allows a diner to make a reservation for multiple people.	- The reservation system is operational. - The diner has a stable internet connection. - The diner has selected a restaurant. - The diner has entered the number of guests (2 or more).	- The diner has successfully completed a reservation for multiple people. - The reservation information, including the restaurant location, date, time, and the number of guests, is stored in the restaurant's reservation system. - A unique reservation ID is generated and associated with the diner's reservation. - The diner receives confirmation, sent to their email or phone number, with the reservation details. - The reservation system is updated with the new reservation, making the reserved table or dining area unavailable to other diners during the specified date and time.	Restaurant information, diner information (name, email or phone number), reservation details (date, time, number of guests)

TC-02-03	Diner can make a reservation for a restaurant with a group size exceeding the maximum	Ensure that the system allows a diner to make a reservation for a restaurant with a group size exceeding the maximum.	- The reservation system is operational. - The diner has a stable internet connection. - The diner has selected a restaurant with a maximum group size. - The diner has entered the number of guests (exceeding the maximum group size).	- The diner has successfully completed a reservation for a restaurant with a group size exceeding the maximum, with additional charges. - The reservation information, including the restaurant location, date, time, the number of guests stored in the restaurant's reservation system.	reservation details (date, time, number of guests)
TC-02-04	System can handle incorrect diner information	Ensure that the system can handle incorrect diner information and prompt the diner to correct it.	- The diner enters incorrect information during the reservation process. - The reservation system detects the incorrect information.	- The system prompts the diner to correct the incorrect information. - The diner can successfully update their information and complete the reservation process.	Diner information (name, email or phone number), reservation details (date, time, number of guests)

Use Case 3: Update Reservations

Test Case ID	Test Description	Pre-conditions	Post-conditions	Data Required
TC-UC03-01	Successfully Canceling Reservations	Diner logged in, has reservations.	Reservations cancelled.	Diner Log-In Information (email, password)

Use Case 7: Register as a Restaurant Manager

Test Case ID	Test Description	Pre-conditions	Post-conditions	Data Required
TC-UC7-01	Successful Registration	System operational, manager has company email and stable internet	Manager registered.	Restaurant name, cuisine, capacity, description, e-mail, username, password
TC-UC7-02	Password Complexity Requirements	Same as TC-UC7-01	Registration fails, error message displayed	Restaurant name, cuisine, capacity, description, e-mail, username, password
TC-UC7-03	Invalid Email Address	Same as TC-UC7-01	Registration fails, error message displayed	Restaurant name, cuisine, capacity, description, e-mail, username, password

Use Case 8: Display Reservations (Restaurant Manager)

Test Case ID	Test Description	Pre-conditions	Post-conditions	Data Required
TC-UC8-01	Successful Display of Reservations	Manager logged in, has admin authorization	Reservations displayed correctly	Restaurant Manager Log-In Information (email, password)

Use Case 9: Manage Reservations

Test Case ID	Test Description	Pre-conditions	Post-conditions	Data Required
TC-UC09-01	Successfully Canceling Reservations	Manager logged in, has admin authorization, the restaurant has reservations	Reservations cancelled.	Restaurant Manager Log-In Information (email, password)

Use Case 10: Edit Working Hours

Test Case ID	Test Description	Pre-conditions	Post-conditions	Data Required
TC-UC10-01	Successfully Editing Restaurant Working Hours	Manager logged in, has admin authorization.	Working hours updated correctly.	Restaurant Manager Log-In Information (email, password), new working hours values

Use Case 11: Edit Capacity

Test Case ID	Test Description	Pre-conditions	Post-conditions	Data Required
TC-UC11-01	Successfully Editing Restaurant Capacity	Manager logged in, has admin authorization.	Capacity updated correctly.	Restaurant Manager Log-In Information (email, password), new capacity value