

Functional Requirements

1.1 Restaurant Selection

- **Requirement:** Users must be able to view a list of available Restaurant.
- **Description:** The system should display all Restaurant that are open for reservations.
- **Priority:** High

1.2 Date and Time Selection

- **Requirement:** Users must be able to select a date and time for their reservation.
- **Description:** The system should allow users to choose a date and time within the operating hours of the selected Restaurant. The system must validate that the time is available.
 - **Priority:** High

1.3 Reservation Confirmation

- **Requirement:** Users must be able to confirm their reservation.
- **Description:** After selecting the date, and time, users must confirm the reservation and receive a confirmation message displaying the Restaurant, selected items, date, and time.
 - **Priority:** High

1.4 Order History

- **Requirement:** Users must be able to the history of their reservation.
 - **Description:** The system should display the order history of the user.

1.5 Cancel Reservation

- **Requirement:** Users must be able to cancel an existing reservation.
- **Description:** Users should be able to or cancel the reservation entirely before a specific deadline.

1.6 View Available Time Slots

- **Requirement:** Users must be able to view available time slots for each dining hall.
 - **Description:** The system must display the available time slots

User Story

1. User Story: Select Restaurant

As a user,

I want to choose a **Restaurant** where I want to make a reservation,
So that I can reserve a spot for dining at my preferred location and time.

2. User Story: View Available Time Slots

As a user,

I want to see available time slots for a dining hall, **So**
that I can make my reservation for an available time.

3. User Story: Select Date and Time

As a user,

I want to select a date and time for my reservation,
So that I can choose when I want to dine.

4. User Story: Review Order History

As a user,

I want to review my selected time and date, **So that** I can make sure that
the date and time are correct before proceeding.

5. User Story: Confirm Reservation

As a user,

I want to receive a confirmation of my reservation,
So that I know my reservation is successfully made.

6. User Story: Cancel Reservation

As a user,

I want to cancel my reservation,
So that I can let the restaurant that im not coming

Acceptance Test

1. User Story: Select restaurant

Acceptance Test:

Scenario: The user selects a restaurant

- **Given:** The user is on the homepage and clicks the "Make a Reservation" button.
- **When:** The user is presented with a list restaurant and clicks the " Reservation" button
- **Then:** The user is taken to the reservation page.

Test Steps:

1. Go to the homepage.
2. Verify that a list of dining halls is displayed.
3. Select a dining hall and clicks the " Reservation" button
4. Verify that the user is taken to the reservation page.
1. Click the "Next" button.
2. Verify that the user is taken to the order summary page

2. User Story: View Available Time Slots Acceptance Test:

Scenario: The user views available time slots for a dining hall.

- **Given:** The user is on the date and time selection page.
- **When:** The user clicks the time picker.
- **Then:** The system shows a list of available time slots for the selected dining hall.
- **And:** The user can select a valid time slot for their reservation.

Test Steps:

1. Navigate to the date and time selection page.
2. Click the time picker.
3. Verify that a list of available time slots is shown.
4. Select a valid time slot.
5. Verify that the user can proceed to confirm the reservation

3. User Story: Select Date and Time Acceptance Test:

Scenario: The user selects a date and time for their reservation.

- **Given:** The user is on the date and time selection page.
- **When:** The user selects a date from a date picker and a time from a time picker.
- **Then:** The system ensures that both date and time are selected.
- **And:** The user clicks the "Confirm Reservation" button.
- **And:** The user is taken to the reservation confirmation page.

Test Steps:

1. Navigate to the date and time selection page.
2. Select a date from the date picker.
3. Select a time from the time picker.

4. Verify that both date and time are selected.
5. Click the "Confirm Reservation" button.
6. Verify that the user is taken to the confirmation page.

4. User Story: Review Order Summary Acceptance Test:

Scenario: The user reviews their order summary.

- **Given:** The user has selected the date and time.
- **When:** The user is on the order summary page.
- **Then:** The selected date and time are displayed in a list.
- **And:** The user clicks the "confirm" button to continue.
- **And:** The user is taken to the menu page.

Test Steps:

1. After selecting date and time, verify that the order summary page is displayed.
2. Click the " confirm " button.
3. Verify that the user is taken to the menu page

5. User Story: Confirm Reservation Acceptance Test:

Scenario: The user receives confirmation of their reservation.

- **Given:** The user has completed the date and time selection.
- **When:** The system confirms the reservation.
- **Then:** The user is shown a confirmation message with the reservation details (restaurant , date, time).

Test Steps:

1. After confirming the date and time, verify that the confirmation page is displayed.
2. Verify that the confirmation page shows the selected restaurant, date, and time.

6. User Story: cancel Reservation Acceptance Test:

Scenario: The user cancels their reservation.

- **Given:** The user has an existing reservation.
- **When:** The user views their reservation.
- **And:** The user can cancel the reservation if needed.

Test Steps:

1. Navigate to the "My Reservations" page.
2. Select an existing reservation.
3. Verify that the user can cancel the reservation if necessary.

Functionalities Implemented So Far

1. Restaurant Selection

The system allows users to choose a Restaurant from a list of available options.

- **Input:** Users see a list of Restaurant on the main screen after clicking the
- **Output:** After selecting Restaurant, the user is taken to the reservation page

2. Date and Time Selection

Users can select a date and time for their reservation using date and time pickers.

- **Input:** The user selects a date from a date picker and a time from a time picker.
- **Output:** The system validates that both the date and time are within the operating hours of the selected dining hall. Users can confirm the reservation once a valid date and time are chosen.

3. Order Summary

After selecting time and date , users are presented with a summary of their order.

- **Input:** The selected time and date are displayed in a list format for the user to review.
- **Output:** Users review their selected time and date and proceed

4. Reservation Confirmation

After selecting the date and time, users are shown a confirmation screen.

- **Input:** The user clicks "Confirm Reservation" after selecting the date and time.
- **Output:** The system shows a confirmation message with details of the reservation, including the selected restaurant, date, and time.