

**Requirement 1: Users shall be able to register for a new account**

**Test Case Name:** User Registration

**Objective:** To verify that users can successfully register for an account.

**Action:** In the user registration page, fill in valid user details (e.g., username, email, password) and click on the "Register" button.

**Assert:** Check that the user is registered and redirected to the login page with a success message.

**Requirement 2: Users shall be able to log in to their account**

**Test Case Name:** User Login

**Objective:** To verify that users can successfully log in to their account.

**Action:** On the login page, enter valid information (e.g., username and password) and click on the "Login" button.

**Assert:** Check that the user is redirected to the dashboard and their session is active.

**Requirement 3: Users shall be able to change their account password**

**Test Case Name:** Change Password

**Objective:** To verify that users can successfully change their account password.

**Action:** After logging in, navigate to the "Profile" page, input the current password and a new valid password, then click the "Change Password" button.

**Assert:** Check that the system validates the current password, updates the password successfully, and displays a confirmation message. Ensure the user can log in with the new password and the old password is no longer valid.

#### **Requirement 4: Users shall be able to search for available flights**

**Test Case Name:** Flight Search

**Objective:** To verify that users can search for available flights based on their criteria.

**Action:** On the search flights page, input valid departure location, destination, and travel dates, then click the "Search" button.

**Assert:** Check that the system displays a list of available flights matching the input criteria.

#### **Requirement 5: Users shall be able to select seats during the booking process**

**Test Case Name:** Seat Selection

**Objective:** To verify that users can choose seats for their selected flights.

**Action:** After selecting a flight, input the number of passengers and choose seats.

**Assert:** Confirm that the selected seat is marked as reserved and added to the user's booking.

#### **Requirement 6: Users shall be able to make payments for their bookings.**

**Test Case Name:** Payment Processing

**Objective:** To ensure that users can successfully complete payments for flight bookings.

**Action:** On the payment page, input valid payment details (e.g., credit card information), then click the "Pay" button.

**Assert:** Verify that the payment is processed, and a booking confirmation is displayed with a receipt.

## **Requirement 7: Users shall be able to view their booking history**

**Test Case Name:** Booking History

**Objective:** To verify that users can access their previous flight bookings.

**Action:** After logging in, navigate to the "Booking History" section.

**Assert:** Check that the user's past bookings are listed with details such as flight number, date, and status.

## **Requirement 8: Users shall be able to cancel a flight booking**

**Test Case Name:** Flight Cancellation

**Objective:** To verify that users can successfully cancel their flight booking.

**Action:** On the bookings page, select an active flight booking, click on "Cancel," and confirm the cancellation.

**Assert:** Check that the flight booking is marked as canceled, the status is updated in the booking history, and the user receives a cancellation confirmation message.