Manual Test Cases for Online Booking System

This document outlines manual test cases for the Online Booking System. These tests should be performed to ensure the system functions correctly from a user perspective.

User Authentication

TC-UA-001: User Registration

Description: Test user registration functionality
Preconditions: User is not logged in
Steps:

1. Navigate to the homepage
2. Click on "Register" button
3. Fill in all required fields with valid data
4. Click "Register" button

Expected Results:

- User account is created successfully
- User is automatically logged in
- User dropdown menu appears with the user's name

TC-UA-002: User Login

Description: Test user login functionality
Preconditions: User has a registered account but is not logged in
Steps:

1. Navigate to the homepage
2. Click on "Login" button
3. Enter valid email and password
4. Click "Login" button

Expected Results:

- User is logged in successfully
- User dropdown menu appears with the user's name

TC-UA-003: User Logout

Description: Test user logout functionality
Preconditions: User is logged in
Steps:

1. Click on the user dropdown menu
2. Click "Logout" option

Expected Results:

- User is logged out successfully
- Login and Register buttons appear

Flight Booking

TC-FB-001: Search for Flights

Description: Test flight search functionality
Preconditions: None
Steps:

1. Navigate to the Flights page
2. Enter source city/airport
3. Enter destination city/airport
4. Select departure date
5. Select number of passengers
6. Click "Search Flights" button

Expected Results:

- Search results are displayed
- Each result shows airline, flight number, departure/arrival times, and price

TC-FB-002: Book a Flight

Description: Test flight booking functionality
Preconditions: User is logged in
Steps:

1. Search for flights (as in TC-FB-001)
2. Select a flight from the results
3. Click "Book Now" button
4. Fill in traveler information
5. Enter payment details
6. Click "Confirm & Pay" button

Expected Results:

- Booking confirmation is displayed
- Booking appears in user's booking history

Train Booking

TC-TB-001: Search for Trains

Description: Test train search functionality
Preconditions: None
Steps:

1. Navigate to the Trains page
2. Enter source city/station
3. Enter destination city/station
4. Select departure date
5. Select class
6. Click "Search Trains" button

Expected Results:

- Search results are displayed
- Each result shows train name, number, departure/arrival times, and price

TC-TB-002: Book a Train

Description: Test train booking functionality
Preconditions: User is logged in
Steps:

1. Search for trains (as in TC-TB-001)
2. Select a train from the results
3. Click "Book Now" button
4. Fill in traveler information
5. Enter payment details
6. Click "Confirm & Pay" button

Expected Results:

- Booking confirmation is displayed
- Booking appears in user's booking history

Hotel Booking

TC-HB-001: Search for Hotels

Description: Test hotel search functionality
Preconditions: None
Steps:

1. Navigate to the Hotels page
2. Enter destination city/area
3. Select check-in date
4. Select check-out date
5. Select number of guests
6. Click "Search Hotels" button

Expected Results:

- Search results are displayed
- Each result shows hotel name, location, amenities, and price

TC-HB-002: Book a Hotel

Description: Test hotel booking functionality
Preconditions: User is logged in
Steps:

1. Search for hotels (as in TC-HB-001)
2. Select a hotel from the results
3. Click "Book Now" button
4. Fill in guest information
5. Enter payment details
6. Click "Confirm & Pay" button

Expected Results:

- Booking confirmation is displayed
- Booking appears in user's booking history

Booking Management

TC-BM-001: View Booking History

Description: Test viewing booking history
Preconditions: User is logged in and has made at least one booking
Steps:

1. Click on the user dropdown menu
2. Click "My Bookings" option

Expected Results:

- Booking history page is displayed
- All user bookings are listed with relevant details

TC-BM-002: View Booking Details

Description: Test viewing booking details
Preconditions: User is logged in and has made at least one booking
Steps:

1. Navigate to booking history page
2. Click "View Details" button for a booking

Expected Results:

- Booking details modal is displayed
- All booking information is shown correctly

TC-BM-003: Cancel Booking

Description: Test booking cancellation
Preconditions: User is logged in and has an upcoming booking
Steps:

1. Navigate to booking history page
2. Click "Cancel" button for an upcoming booking
3. Select cancellation reason
4. Click "Confirm Cancellation" button

Expected Results:

- Booking is cancelled successfully
- Booking status changes to "Cancelled"
- Booking moves to the "Cancelled" tab

User Profile

TC-UP-001: View User Profile

Description: Test viewing user profile
Preconditions: User is logged in
Steps:

1. Click on the user dropdown menu
2. Click "My Profile" option

Expected Results:

- User profile page is displayed
- User information is shown correctly

TC-UP-002: Update User Profile

Description: Test updating user profile
Preconditions: User is logged in
Steps:

1. Navigate to user profile page
2. Click "Edit Profile" button
3. Update user information
4. Click "Save Changes" button

Expected Results:

- User information is updated successfully
- Updated information is displayed on the profile page

Contact Form

TC-CF-001: Submit Contact Form

Description: Test contact form submission
Preconditions: None
Steps:

1. Navigate to the Contact page
2. Fill in all required fields
3. Click "Send Message" button

Expected Results:

- Success message is displayed
- Form is reset

Responsive Design

TC-RD-001: Mobile View

Description: Test responsive design on mobile devices
Preconditions: None
Steps:

1. Access the website on a mobile device or using browser developer tools (mobile view)
2. Navigate through different pages
3. Test all major functionality

Expected Results:

- Website is properly displayed on mobile devices
- All functionality works correctly
- Navigation menu collapses into a hamburger menu

TC-RD-002: Tablet View

Description: Test responsive design on tablet devices
Preconditions: None
Steps:

1. Access the website on a tablet device or using browser developer tools (tablet view)
2. Navigate through different pages
3. Test all major functionality

Expected Results:

- Website is properly displayed on tablet devices
- All functionality works correctly
- Layout adjusts appropriately for the screen size

Cross-Browser Compatibility

TC-CBC-001: Chrome Compatibility

Description: Test website compatibility with Chrome
Preconditions: Chrome browser is installed
Steps:

1. Access the website using Chrome
2. Navigate through different pages
3. Test all major functionality

Expected Results:

- Website displays correctly
- All functionality works as expected

TC-CBC-002: Firefox Compatibility

Description: Test website compatibility with Firefox
Preconditions: Firefox browser is installed
Steps:

1. Access the website using Firefox
2. Navigate through different pages
3. Test all major functionality

Expected Results:

- Website displays correctly
- All functionality works as expected

TC-CBC-003: Safari Compatibility

Description: Test website compatibility with Safari
Preconditions: Safari browser is installed
Steps:

1. Access the website using Safari
2. Navigate through different pages
3. Test all major functionality

Expected Results:

- Website displays correctly
- All functionality works as expected

Performance

TC-PF-001: Page Load Time

Description: Test page load time
Preconditions: None
Steps:

1. Use browser developer tools to measure page load time for:
   - Homepage
   - Flights page
   - Trains page

- Hotels page
- Booking history page

Expected Results:

- Pages load within acceptable time limits (< 3 seconds)
- No significant performance issues are observed

TC-PF-002: Search Response Time

Description: Test search response time
Preconditions: None
Steps:

1. Perform searches for:
   - Flights
   - Trains
   - Hotels
2. Measure response time using browser developer tools

Expected Results:

- Search results are returned within acceptable time limits (< 5 seconds)
- No significant performance issues are observed