Mohammad Zubair
mohdzubair9766@gmail.com
(+91) 9766144370

Test Plan: Homestay Booking

23rd August 2024

1. Introduction

- **Purpose:** The purpose of this test plan is to ensure that the homestay booking website functions correctly according to the requirements provided by Mr. Chirag. The website should allow guests to book a homestay, allow the caretaker to manage bookings, and enable the house owner to view bookings.
- **Scope:** This test plan covers the functional testing of the guest, caretaker, and house owner use cases, including sign-up, login, booking management, and notifications.
- **Objectives:**
  1. Validate that the website meets the functional requirements.
  2. Ensure the system is user-friendly and secure.
  3. Identify and document any defects in the system.

2. Test Scope

- **In-Scope:**
  - Guest functionalities: Sign-up, login, booking, cancellation, modification, and notifications.
  - Caretaker functionalities: Login, view and manage bookings, update identity proofs, and payment details.
  - House Owner functionalities: Login, view bookings, and view guest details.
- **Out-of-Scope:**
  - Integration with third-party services (e.g., payment gateways, SMS services) unless specifically required.
  - Performance and load testing.

3. Testing Strategy

- **Testing Levels:**
  - **Unit Testing:** Not applicable as this is manual testing.
  - **Integration Testing:** Test the interactions between the guest, caretaker, and house owner functionalities.
  - **System Testing:** Test the complete system based on the defined use cases.
  - **User Acceptance Testing (UAT):** Conduct UAT with end users to validate the overall user experience and functionality.
- **Testing Types:**
  - **Functional Testing:** Verify that all functionalities work as expected.
  - **Usability Testing:** Assess the user experience and ease of use.
  - **Security Testing:** Ensure OTP authentication and data privacy.
  - **Regression Testing:** Re-test after any defect fixes to ensure no new issues are introduced.

4. Test Environment

- **Hardware Requirements:** Desktop or laptop with internet access.
- **Software Requirements:** Web browser (Chrome, Firefox), test management tool (e.g., JIRA, Youtrack, TestRail).
- **Test Data:** Use dummy data for guest, caretaker, and house owner accounts.

5. Test Cases

- **Guest:**
    1. Verify that the guest can sign up with valid details and receive an OTP.
    2. Verify login functionality with correct OTP.
    3. Verify that the guest can view homestay availability.
    4. Verify that the guest can book a homestay and receive an SMS confirmation.
    5. Verify that the guest can view, modify, and cancel bookings.
- **Caretaker:**
    1. Verify login functionality with correct OTP.
    2. Verify that the caretaker can view all bookings and contact the guest.
    3. Verify that the caretaker can update identity proofs and payment details.
    4. Verify that the caretaker can update payment information and review after checkout.
- **House Owner:**
    1. Verify login functionality with correct OTP.
    2. Verify that the house owner can view all bookings.
    3. Verify that the house owner can view individual booking details, including guest information and identity proof.

6. Test Schedule

- **Test Design:** 8 Hours
- **Test Execution:** 8 Hours
- **Defect Retesting and Regression Testing:** 8 Hours
- **UAT:** 8 Hours
- **Total Duration:** 24 Hours

7. Entry and Exit Criteria

- **Entry Criteria:**
    - Test environment is set up.
    - Test data is prepared.
    - All test cases are written and reviewed.
- **Exit Criteria:**
    - All critical and high-severity defects are resolved.
    - Test execution is 100% complete.
    - Stakeholders sign off UAT.

8. Deliverables

- Test Plan Document
- Test Cases Document
- Defect Report
- Test Execution Report
- UAT Sign-Off

9. Resources

- **Testers:** 1 Manual tester (Mohammad Zubair)
- **Tools:** Test management tool, MS Excel, browser developer tools

10. Risk and Contingency Plan

- **Risks:**
    - Delay in test environment setup.
    - Unavailability of required test data.
- **Contingency Plan:**
    - Escalate delays to project management.
    - Use alternative test data if necessary.

11. Approvals

- QA tester: Mohammad Zubair
- Project Manager: XYZ
- Date: 23rd August 2024