

The Test case link of excel sheet is given below.

LINK: [📄 Homestay Software Testing Assignment](#)

1. Test Plan Document

Title: Homestay Software Testing Assignment

1.1 Overview:

This document describes the testing approach for the homestay booking platform, which serves three distinct user roles: Guests, Caretakers, and House Owners. The platform enables guest registration with OTP verification, homestay booking, real-time notifications, and administrative oversight.

1.2 Purpose & Objectives:

- **Purpose:** To ensure the system meets functional and non-functional requirements.
- **Objectives:**
 - Verify each module (registration, OTP verification, login, booking, SMS alerts, and booking management) functions as intended.
 - Confirm that data validations (e.g., proper phone number format, OTP timeouts) are enforced.
 - Validate the overall usability and responsiveness of the web application.

1.3 Scope:

- **Guest Module:** User sign-up, OTP verification, viewing available homestay dates, booking, SMS notifications, and booking modifications or cancellations.

- **Caretaker Module:** OTP-based login, managing and viewing bookings, updating identity proofs and payment details, and processing checkouts with guest feedback.
- **House Owner Module:** OTP-based login, overview of all bookings, and access to detailed booking information including guest credentials.
- **1.4 Methodology:**
- Primarily manual testing,

1.5 Test Environment:

- A staging environment that closely mirrors production settings.
- Simulated SMS gateway responses for verifying notification delivery.
- Predefined test user accounts for each user type.

1.6 Roles & Responsibilities:

- **Test Lead/Manager:** Oversees test activities and final reporting.
- **QA Engineers:** Develop and execute test cases, record outcomes, and log defects.
- **Development Team:** Address defects and support re-testing efforts.

1.7 Schedule and Deliverables:

- **Timeline:** Defined by sprint cycles and overall project deadlines.
- **Deliverables:**
 - Testing Strategy Document (this document)
 - Detailed Test Scenario Document
 - Test Case Log in Excel/CSV format
 - Execution Reports and Defect Logs

1.8 Risks & Mitigation:

- **Risks:**

- Potential delays from third-party SMS services.
- Data inconsistencies due to concurrent booking attempts.
- **Mitigation Strategies:**
 - Use SMS simulation for early tests.
 - Design test cases to cover concurrent booking scenarios thoroughly.

2. Test Scenario Document

This document outlines high-level test scenarios grouped by user role:

2.1 Guest Scenarios

- **Registration & OTP Verification:**
 - *Positive Scenarios:*
 - Successfully signing up with correct details and receiving a valid OTP.
 - Logging in using the correct OTP.
 - *Negative/Edge Scenarios:*
 - Submitting the registration form with missing or incorrect data (e.g., blank name, invalid phone format).
 - Entering an incorrect or expired OTP.

- **Booking Process & Management:**
 - *Positive Scenarios:*
 - Viewing available homestay dates and successfully booking a slot.
 - Receiving an SMS confirmation after booking.
 - *Negative/Edge Scenarios:*
 - Attempting to book a slot that has already been reserved by another guest.
 - Modifying a booking using invalid (e.g., past) dates.

2.2 Caretaker Scenarios

- **Login & Booking Oversight:**
 - *Positive Scenarios:*
 - Logging in using OTP and accessing the bookings dashboard.
 - Viewing all current bookings.
 - *Negative Scenarios:*
 - Logging in with an incorrect OTP.
- **Updating Booking Information:**
 - *Positive Scenarios:*
 - Successfully uploading a valid identity proof and updating payment details.
 - Recording guest reviews during the checkout process.
 - *Negative Scenarios:*
 - Uploading an unsupported file type for identity proof.
 - Entering incomplete or incorrect payment details.

2.3 House Owner Scenarios

- **Login & Overview:**
 - *Positive Scenarios:*
 - Logging in via OTP and accessing a summary of all bookings.
 - *Negative/Edge Scenarios:*
 - Handling cases where booking details are incomplete or missing.
- **Detailed View:**
 - *Positive Scenarios:*
 - Viewing comprehensive booking details, including guest information and identity proofs.

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