TEST PLAN

Project Name: Homestay Management System

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Approvals……………………………………………………..

Introduction

This document outlines the testing strategy, scope, schedule, and deliverables for the Homestay Management System, ensuring robust functional testing to verify the use cases defined for Guests, Caretakers, and House Owners.

Actors in the system:

- Guest
- Caretaker
- House Owner

Objectives

The objective of the test plan is to validate the key functionalities of the Homestay Management System:

- **User sign-up and login using OTP.**
- **Booking management by Guests, including viewing, modifying, and canceling bookings.**
- **Booking and payment management by the Caretaker.**
- **Booking overview for the House Owner.**

Scope

The testing covers:

- **Functional testing of all defined use cases.**
- **Usability testing of the website for seamless interaction.**
- **Validation of SMS notifications for booking confirmation.**

Testable features:

Guest functionalities:

- **Sign-up and OTP-based login.**
- **View homestay availability and make bookings.**
- **Modify or cancel bookings.**
- **SMS notifications.**

Caretaker functionalities:

- **View and manage bookings.**
- **Update identity and payment details.**
- **Contact Guests.**

House Owner functionalities:

- **View booking details and Guest information.**

Testing Approach

Testing Types:

- **Functional Testing: Verify use cases and workflows.**
- **Usability Testing: Ensure intuitive design and functionality.**
- **Regression Testing: Validate new changes do not impact existing functionalities.**

Testing Methodologies:

- **Black-box Testing: Focus on input and output validation.**
- **User Acceptance Testing (UAT): Ensure alignment with user requirements.**

Testing Environment:

- **System: Windows 11, Browser: Chrome/Firefox.**
- **Network: Stable internet connectivity.**

Roles/Responsibilities

Name	Role	Responsibilities
Rajit Kumar	Test Engineer	1. Write the test plan 2. Test Scenarios,test cases,and execute.

Test Schedule

Task	Duration	Time Durations
Test Plan creation	2 hour	18/11/2024
Test Scenario Preparation	1 hour	18/11/2024

Task	Duration	Time Durations
Test Plan creation	2 hour	18/11/2024
Test Cases Creation	2 hour	18/11/2024
Test Execution	2 hour	18/11/2024
Summary Report Submission	1 hour	

Entry and Exit Criteria

The below are the entry and exit criteria for every phase of Software Testing Life Cycle.

Requirement Analysis

>> Entry Criteria:

Once the testing team receives the Requirements document and use documents of the project
Includes what functions need to be tested and how the software should behave.

>> Exit Criteria:

The testing team should thoroughly explore and understand each requirement listed in the
documents. Any doubt or uncertainties regarding the requirements should be address and clarified
To ensure that the testing team has a clear understanding of what needs to be tested and how it
Should behave.

Test Planning:

>> Entry Criteria:

Testable Requirements derived from the given Requirements documents.Test Plan document
Includes the Test Strategy, which provides a high-level overview of how testing will be conducted.

>> Exit Criteria:

Test Plan is signed-off by the Client (   )

Test Designing:

>> Entry Criteria:

The Test Plan document needs to be reviewed and approved by the client and then test Plan Document is signed-off
By the client.

>> Exit Criteria:

Test Scenario and Test Cases Documents are prepared , they need to be reviewed and signed-off the Client.

Test Execution

>> Entry Criteria:

Test Scenario and Test Cases document need to be reviewed and approved by the client and documents are signed-
Off by the Client-Application is ready for further Testing.

>> Exit Criteria:

Test case Reports,Defect Reports are ready

Test Closure :

>> Entry Criteria:

Test case Report , Defect Reports are ready

>> Exit Criteria:

Test Summary Reports, it overviews of the entire testing process

Tools

The following are the list of tools we will be using in this project

Browser Testing: Chrome, Firefox.
Documentation: Google Sheets/Docs.

Risks and Mitigation plans

The following are the list of risks possible and the ways to mitigate them.

Risk	Mitigation plans
Lack of Automation Tester	Backup Resource planning
No detailed requirements available	Subject matter experts available for deep understanding of functionalities

Approvals

Testing will proceed upon approval of:

- Test Plan
- Test Scenarios
- Test Summary Report