

Software Test Plan (STP) for Room Booking

Project Title: Room Booking System

Version: 1.0

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Date: April 14, 2025

1. Introduction

This Test Plan outlines the testing strategy, scope, objectives, resources, schedule, and deliverables for the hotel booking demo website. The primary goal is to ensure that the website functions as intended and meets the specified requirements.

2. Scope

2.1 In Scope

- **Room Browsing:** Verification of room listings, including images, descriptions, and features.
- **Room Booking:** Testing the booking process, including calendar functionality and form submissions.
- **Contact Form:** Ensuring the contact form accepts inputs and provides appropriate feedback.
- **User Interface (UI):** Assessment of navigation elements and responsiveness across devices.
- **Form Validation:** Checking for proper validation messages and error handling.

2.2 Out of Scope

- **Payment Processing:** No testing of payment gateways or transactions.
- **User Authentication:** Login and registration functionalities are not included.
- **Backend Systems:** Database operations and server-side processing are excluded.

3. Test Objectives

- Validate that all functional requirements are met.
 - Ensure the UI is intuitive and responsive.
 - Confirm that all forms handle inputs correctly and provide appropriate feedback.
 - Identify and document any defects or inconsistencies.
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4. Test Strategy

4.1 Testing Types

- **Functional Testing:** Verify each function of the application operates in conformance with the requirement specification.
- **UI Testing:** Assess the user interface for consistency and usability.
- **Compatibility Testing:** Ensure the website functions across different browsers and devices.

4.2 Testing Levels

- **System Testing:** Complete end-to-end testing of the application.
- **Acceptance Testing:** Validate the system against the requirements to determine if it is acceptable for delivery.

4.3 Test Design Techniques

- Boundary Value Analysis
 - Error Guessing
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5. Test Environment

- **Browsers:** Chrome, Firefox, Safari, Edge

- **Devices:** Desktop, Tablet, Mobile
- **Operating Systems:** Windows, macOS, Android, iOS
- **Network Conditions:** Standard broadband connection

4.4 Test Plan:

Homepage UI

1. Verify that the website logo displays correctly on the homepage.
2. Verify that the "Book this room" button on the homepage navigates to the booking page.
3. Verify that homepage banners or sliders display correctly.
4. Verify that footer links (Privacy Policy) navigate to the respective pages.
5. Verify that the homepage is responsive on desktop, tablet, and mobile devices.
6. Verify that the layout of homepage UI elements remains consistent across browsers.

Room Browsing

7. Verify that the room catalog displays a list of available rooms with basic details (room type, image, price, and description).
8. Verify that pagination works correctly in the room catalog.
9. Verify that filtering rooms by type (Single, Double, Suite) displays appropriate results.
10. Verify that room images load correctly and with proper resolution.
11. Verify that each room listing shows availability status.
12. Verify that clicking on a room listing navigates to the room details page.

Room Booking

13. Verify that the room booking calendar displays available dates correctly.
14. Verify that the user can select available dates on the booking calendar.
15. Verify that the system prevents booking on unavailable dates.
16. Verify that the booking form accepts valid guest information.
17. Verify that the booking form validates required fields (guest name, email).
18. Verify that the user can select a room type during the booking process.
19. Verify that a booking summary displays the selected room and dates accurately.
20. Verify that the booking form allows modification of booking details before submission.
21. Verify that the booking form accepts special requests.
22. Verify that a booking can be successfully submitted and a confirmation page is displayed.
23. Verify that a booking confirmation email is simulated successfully.
24. Verify that the booking cancellation process via the user account functions as expected.
25. Verify that error messages are displayed when invalid booking data is entered.
26. Verify that the system correctly handles simultaneous booking attempts.
27. Verify that the booking form is responsive and works on mobile devices.

Contact Form

- 28. Verify that the contact form loads correctly on the website.
- 29. Verify that all required fields (name, email, message, phone) are present in the contact form.
- 30. Verify that entering valid input in the contact form is accepted.
- 31. Verify that leaving a required field empty triggers a validation error.
- 32. Verify that the email field validates the correct email format.
- 33. Verify that a message can be successfully submitted through the contact form.
- 34. Verify that a confirmation message is displayed upon successful submission of the contact form.
- 35. Verify that the contact form displays correctly on mobile devices.
- 36. Verify that an error message is displayed when the contact form submission fails due to network issues.

6. Test Deliverables

- **Test Plan Document:** This document outlining the testing approach.
- **Test Cases:** Detailed test cases covering all in-scope functionalities.
- **Defect Reports:** Documentation of any defects found during testing.
- **Test Summary Report:** Overview of testing activities, results, and conclusions.

7. Schedule

Activity	Start Date	End Date
Test Planning	Apr 14, 2025	Apr 15, 2025
Test Case Development	Apr 16, 2025	Apr 17, 2025
Test Execution	Apr 18, 2025	Apr 20, 2025

Defect Reporting	Apr 18, 2025	Apr 21, 2025
Test Closure	Apr 22, 2025	Apr 23, 2025

Note: Dates are tentative and subject to change based on project needs.

8. Roles and Responsibilities

- **Test Manager:** [Name] – Oversees the testing process and ensures objectives are met.
 - **QA Tester:** [Your Name] – Executes test cases, reports defects, and documents results.
 - **Developer:** [Name] – Addresses reported defects and provides necessary fixes.
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9. Entry and Exit Criteria

Entry Criteria

- All required functionalities are developed and deployed to the test environment.
- Test environment is set up and accessible.
- Test cases are reviewed and approved.

Exit Criteria

- All test cases have been executed.
 - All critical defects have been resolved and re-tested.
 - Test summary report is completed and reviewed.
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10. Risks and Mitigation

Risk

Mitigation Strategy

Unavailability of test environment	Schedule buffer time; coordinate with IT team
Delays in development affecting testing	Maintain open communication with developers; adjust schedule as needed
Incomplete requirements	Conduct requirement reviews; seek clarifications early

11. Approvals

Name	Role	Signature	Date
[Your Name]	QA Tester		Apr 14, 2025
[Manager Name]	Test Manager		Apr 14, 2025