

Test Plan – Restful Booker Platform

1. Test Plan Overview

Project Name: Restful Booker Platform Demo

Version: 1.7 N.B See <https://github.com/mwinteringham/restful-booker-platform/blob/trunk/README.md>

Test Plan ID: 202501CJW

Test Lead: Claire Wright

Test Start Date: Monday 20th January 2025

Test End Date: Sunday 26th January 2025

Website URL: <https://automationintesting.online/>

2. Objectives

Validate the overall functionality of the website.

Ensure the website is user-friendly and provides an intuitive user experience.

Ensure compliance with accessibility standards.

3. Scope of Testing

In Scope:

Functional testing (login/logout for admin users, room booking for customers, etc.)

Usability testing (navigation, layout, user flow)

Accessibility testing (WCAG compliance)

Out of Scope:

Backend and database testing - no access to database.

API testing – UI focus only for this part of testing.

4. Types of Testing

4.1 Functional Testing

Test Cases:

Verify the website's primary features for admin users.

Verify user flows for non-admin users (e.g., room booking.)

Ensure that each page displays correctly with no errors.

4.2 Usability Testing

Test Cases:

Evaluate ease of navigation on different browsers using Playwright branded browsers.

Check for consistent error messages when customer/admin enters information.

4.3 Accessibility Testing

Test Cases:

Check compliance with WCAG 2.1 (Web Content Accessibility Guidelines).

Test for keyboard navigability, screen reader compatibility, and proper alt text for images.

Ensure contrast ratios meet accessibility standards.

5. Test Strategy

Test Design:

Create detailed test cases for each of the testing categories listed above.

Test cases will be created in a Playwright automation suite and documented via Excel.

Test Execution:

Execute tests on web browsers (Chrome, Firefox etc).

Record defects/issues found during testing and track them for resolution.

Defect Tracking:

Defects will be reported using a defect tracking tool (e.g., Trello) and added as a CSV.

Priority levels for defects:

Critical – Can lead to system crashes, data corruption, or a complete software breakdown.

Major – Functionality can be used but could have major issues such as slow response times.

Minor – No functionality impact but could cause annoyance or confusion to end user.

Trivial – Cosmetic such as misalignment of icons.

6. Environment Requirements

Browsers: Chrome, Firefox, Safari, Edge, and any other browsers the website supports.

Test Tools:

Test case management: Excel

Accessibility testing: Tool Name, e.g., Axe via Playwright automation

VSCode

GitHub

Excel

7. Test Deliverables

Test Plan document

Test cases

Defect reports

Final test summary report

Recommendations for improvement

9. Risk and Contingencies

Potential Risks:

Test Environment unavailable or unstable.

Lack of data for testing (e.g., sample users, test content).

Contingencies:

Use mock data or partial data to perform tests in case real data is not available.