

Test Plan Document for Automation Testing

Website Under Test: <https://automationintesting.online/>

Prepared By: Linto Thamby

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1. Introduction

This Test Plan document outlines the automation testing strategy for the website "https://automationintesting.online/". It covers the scope, objectives, testing types, tools, and timeline to ensure the website meets both functional and non-functional requirements.

2. Scope of Testing

2.1 Features to Be Tested

- User authentication (Login/Logout, Registration)
- Room booking functionality
- Message inbox and communication functionality
- Admin dashboard features
- Input form validations
- Error messages and alerts
- Navigation and redirection
- Cross-browser compatibility

2.2 Features Not to Be Tested

- Backend database performance (not present)
- Payment gateway integration (not present)
- Third-party API reliability (not present)

3. Objectives

- Verify the functionality of core features of the website through automation.
- Validate the website's performance under load.
- Ensure the website adheres to usability, accessibility, and security standards.

4. Testing Types

4.1 Functional Testing

- Login/Logout and Registration: Verify correct behavior of authentication mechanisms.
- Booking Process: Ensure the booking flow is seamless and error-free.
- Input Validation: Check all forms for proper field validation.

- Admin Functionality: Validate CRUD (Create, Read, Update, Delete) operations for admin tasks.

4.2 Non-Functional Testing

- Performance Testing: Test page load times under various user loads.
- Security Testing: Validate input fields against SQL injection, XSS, and CSRF attacks.
- Accessibility Testing: Ensure WCAG compliance.
- Cross-Browser Testing: Validate functionality across major browsers (Chrome, Firefox, Safari, Edge).
- Responsiveness: Test UI responsiveness across devices and screen resolutions.

5. Automation Strategy

Details include tools, frameworks, and strategy for executing automation tests.

6. Test Environment

Environment setup with QA and production replicas for testing various aspects.

7. Roles and Responsibilities

- Automation Test Engineer: Create and execute automated test scripts.
- QA Lead: Review scripts and manage test execution timeline.
- Developers: Fix issues identified during automation testing.

8. Entry and Exit Criteria

Entry Criteria

Test environment setup is complete, and all required tools are configured.

Exit Criteria

All high-priority test cases are automated and executed.

9. Risks and Mitigation

Details of risks, such as unstable environments, and mitigation plans.

10. Test Deliverables

- Automated test scripts.
- Test execution reports.
- Final test summary report.

11. Timeline

Task	Start Date	End Date	Responsible Party
Test Planning	19-01-2025	20-01-2025	Linto Thamby
Test Script Development	21-01-2025	24-01-2025	Linto Thamby
Test Execution	24-01-2025	25-01-2025	Linto Thamby
Report Preparation	26-01-2025	26-01-2025	Linto Thamby