MANUAL TESTING | TEST PLAN

1.1 Test Overview:

This test plan describes the testing scope, objectives, strategy, approach, and timeline. Its goal is to confirm that all important features are properly tested for functionality, usability, and overall reliability.

1.2 Objectives:

The main objectives of testing are:

- To verify that all functionalities of the application work as per requirements

- To ensure smooth end-to-end user workflows

- To identify functional, UI, and usability defects at early stages

- To confirm that the application is stable, reliable, and user-friendly

- To minimize the risk of defects in production

1.3 Approach:

Functional Testing:
  To verify individual features such as login, registration, and dashboard functionality.

Integration Testing:
  To ensure different modules work correctly together.

System Testing:
  To validate the complete system as a whole.

User Acceptance Testing (UAT):
  To confirm the application meets user expectations.

Smoke Testing:
  To verify the stability of the build before detailed testing.

Regression Testing:
  To ensure existing features work correctly after defect fixes.

Basic Security Testing:
  To validate authentication and authorization flows.

1.4 Scope of Testing:

In Scope:

The following areas are covered under testing:

- Manual testing of core modules (Home, Registration, Login, Logout, Dashboard)

- User interface and usability testing

- Validation of input fields and forms

- Navigation and routing between pages

- Error message and validation handling

- Smoke testing to verify build stability

- Regression testing after bug fixes

Out of Scope:

The following areas are excluded from the current testing cycle:

- Complete automation framework validation

- Tool-based performance and load testing

- Backend unit testing

- Third-party service integrations

1.5 Entry & Exit criteria:

Entry criteria:

- Application available in the testing environment
- Test cases created and approved
- Necessary user access and credentials provided

Exit criteria:

- All high and critical defects resolved
- All planned test cases executed
- Test summary report completed

1.6 Test Environment:

Hardware:

- Web Platforms: Windows 11 with Chrome, Edge, and Firefox browsers

Software:

- Application under testing
- Test data including test user accounts

Tools:

- Test Case Management: TestRail / Jira
- Defect Tracking: Jira

1.7 Schedule:

Phase	Timeline
Test Plan Preparation	Day 1 – Day 2
Test Case Design	Day 3 – Day 5
Environment Setup	Day 4
Test Execution	Day 6 – Day 10
Defect Fix Verification	Day 11 – Day 12
Test Closure Report	Day 13

1.8 Risks and Mitigation:

Risk	Mitigation Strategy
Login failures	Perform early testing of authentication and login flows
Performance issues	Observe system behavior and apply necessary optimizations
Role-based UI issues	Test application separately for each user role