

Test Plan – E-Book Shop (Frontend)

1. Objective of Testing

The objective of this testing is to ensure that the **E-Book Shop frontend** works as expected, all functional requirements are met, and users can perform critical actions such as:

- I. User registration and login.
- II. Searching, filtering, and viewing books.
- III. Managing the shopping cart and wishlist.
- IV. Checkout and payment processing.
- V. Viewing order history and account management.

The testing aims to identify defects, improve usability, and ensure a high-quality user experience before deployment.

2. Testing Types to be Performed

- a. **Functional Testing** – Verify all features work according to requirements.
- b. **UI Testing** – Ensure the user interface is consistent, visually correct, and responsive.
- c. **Usability Testing** – Verify navigation is intuitive and the user experience is smooth.
- d. **Regression Testing** – Retest critical features after any changes or bug fixes.
- e. **Negative Testing** – Validate system behavior with invalid inputs or actions.
- f. **Cross-Browser Testing** – Ensure the application works on Chrome, Firefox, and Edge.

3. Test Schedule and Timelines

Phase	Start Date	End Date	Description
Test Planning	14-Aug-2025	15-Aug-2025	Prepare test plan, RTM, and test scenarios
Test Case Design	16-Aug-2025	18-Aug-2025	Write detailed test cases for all scenarios
Test Execution	19-Aug-2025	23-Aug-2025	Execute test cases, log defects
Regression Testing	24-Aug-2025	25-Aug-2025	Retest fixed defects and impacted areas
Test Closure	26-Aug-2025	26-Aug-2025	Prepare final test summary report

4. Entry and Exit Criteria

Entry Criteria:

- I. Functional Requirements Specification (FRS) approved.
- II. Application deployed on test environment.
- III. Test scenarios and test cases prepared.

Exit Criteria:

- I. All planned test cases executed.
- II. All critical and high-severity defects resolved or accepted.
- III. Test summary report prepared and reviewed.

5. Resources (Team, Tools)

Team:

- I. QA Engineer: Md. Ahsanur Maruf
- II. Developer (for bug fixes and clarifications)

Tools:

- I. Test Case Management: Excel / Google Sheets
- II. Bug Tracking: Trello / Jira (optional)
- III. Browsers: Chrome, Firefox, Edge
- IV. Operating System: Windows 10 / 11

6. Risks & Mitigation Strategies

Risk	Impact	Mitigation
Delay in application deployment	High	Coordinate with developers to ensure timely setup
Missing or unclear requirements	Medium	Verify FRS and clarify with stakeholders before testing
Defects found late in testing	High	Perform continuous testing and early defect logging
Cross-browser inconsistencies	Medium	Test on all major browsers using Selenium or manual cross-browser checks
Limited test coverage	Medium	Prepare complete RTM to ensure all requirements are tested