

Test Plan for IFeri

Test Plan ID: TP-IFeri-001

Introduction:

This test plan outlines the testing approach for the IFeri e-commerce website. It covers key functionalities, performance, security, and compatibility aspects to ensure a reliable shopping experience. Since it performs online transaction, it's important to verify its usability, security and reliability.

Application Overview:

IFeri is an online e-commerce platform that started journey in 2011, being the first online retailer of Bangladesh, with many more product lines than it has now. It provides household essentials, including kitchen and dining and living and decorative items. They try to provide best products with best offer price to their clients.

Purpose:

The primary purpose of this test is to ensure the functionality, security, reliability, and performance. The testing process aims to confirm that the application functions correctly, is easy to use, performs efficiently under different conditions and follows security best practices to protect user data and financial transaction.

Test Items:

List of the following modules of IFeri will be tested:

- **User Management:** Login, Registration, Logout, Forget Password.
- **Product Management:** Product categories, product details.
- **Order Management:** Order Placement, Payment process, cancellation, return process.
- **Offer and Clearance Sale:** Special discount, Yearend clearance.
- **Global Components:** Header, Footer.

References:

Documents and standards referred to during the test planning and execution phase:

- IEEE 829 Test Documentation Standard.

Features to be Tested:

- Core features like Login, Register, Logout and Forgot Password.
- Product listing, searching, order tracking
- Payment process
- Security and performance
- Global components

Features not to be Tested:

- Third-party payment gateway integrations.

Test Approach:

The test approach will follow a phased process starting with requirement analysis, test planning, and test case creation. Testing will be conducted in cycles, covering functional, security, performance, and compatibility aspects. Defects will be logged and tracked to closure. Regression testing will be performed after fixes, and no automation will be for this stage. Testing progress will be regularly monitored and reported to stakeholders.

Entry Criteria:

Conditions that must be met before testing can begin:

- Finalized requirements.
- Reviewed and approved test cases.
- Properly set up a test environment.

Exit Criteria:

Conditions to be fulfilled before the testing phase can be closed:

- All critical test cases executed.
- No high-severity defects remaining.
- Test summary report completed.

Suspension Criteria:

Situations when testing may need to be paused:

- Major blocker defects preventing further testing.
- Unavailability of test data or test environment issues.

Roles and Responsibilities:

- **Test Lead:** Oversees planning, execution, and reporting.
- **QA Engineers:** Execute test cases, report defects.
- **Developers:** Fix reported defects.
- **Project Manager:** Approves test results and oversees project scope.

Schedule:

- **Test Planning:** Week 1
- **Test Case Design:** Week 2
- **Test Execution:** Weeks 3-4
- **Defect Fixing & Regression Testing:** Week 5

Training:

- **Domain Training:** Understanding the core functionalities of e-commerce site like user authentication, payment process, security to ensure accurate and efficient testing.
- **Process Training:** Guidelines on manual testing strategies and techniques for transaction functionalities.

Test Environment:

Details the hardware and software required for testing:

- **Hardware:** Windows/Linux machines with 8GB RAM, SSD storage.
- **Software:** Chrome, Firefox, Edge

Test Deliverables:

Lists the documents and reports generated during testing:

- Test Plan Document
- Mind Map
- Test Scenarios
- Test Cases and Test Data
- Test Summary Report
- Bug Report

Approvals:

Specifies who has the authority to approve the test plan and test results:

- QA Lead, PM, Development Team.

Glossary:

Defines key terms used in the document for clarity:

- **QA:** Quality Assurance
- **PM:** Project Manager