Test Plan for Meena Bazar

Test Plan ID: TP-MB-001

Introduction:

This test plan outlines the strategy, scope, and approach for testing the Meena Bazar Online web application. The plan focuses on ensuring the website delivers a seamless, secure, and reliable shopping experience for its users. As an e-commerce platform, Meena Bazar Online handles sensitive user data, payment transactions, and a wide range of functionalities, making it critical to validate its performance, usability, and security.

- **Application Overview**

    Meena Bazar Online is an e-commerce platform designed to provide users with a convenient way to shop for groceries, fresh produce, household items, and more. The application supports features such as product browsing, search, cart management, secure checkout, and user account management. It is essential to ensure that the platform operates flawlessly across different devices and browsers while maintaining high standards of security and performance.

- **Purpose**

    The primary purpose of this test plan is to evaluate the quality and reliability of the Meena Bazar Online application. The testing process aims to:
    - Verify that all features function as intended and meet user expectations.
    - Ensure the application is user-friendly and accessible across various devices and browsers.
    - Identify any defects or vulnerabilities.

By following this test plan, the aim is to deliver a robust, secure, and high-performing platform that meets the needs of its users and aligns with business goals.

Test Items:

List of the specific modules of the Meena Bazar application that will be tested:

- Account: Login, Personal Info, Wish List, Order history, Dashboard, Saved Addresses, Log Out
- Home Page: Featured Products, Special Offers, New Arrivals
- Product Management: Product Categories, Product Card, Product Filter
- Shopping Management: Product Search, Shopping Cart, Track Order
- Check Out: Cart Items, Coupons, Delivery Address, Payment Method, Delivery Date & Time Selection, Order Summary, Additional Note.
- Footer: Customer Services, About Meena Bazar, Contact, Download App, Social Handles.

References:

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

- IEEE 829 Test Documentation Standard: For test case and documentation structure

Features to be Tested:

- Login, Personal Info, Wish List, Dashboard, Saved Address, Log Out
- Featured Products, Special Offers, New Arrivals
- Product Categories, Product Card, Product Filter
- Product Search, Shopping Cart, Track Order
- Cart Items, Coupons, Delivery Address, Payment Method, Delivery Date & Time Selection, Order Summary, Additional Note.
- Customer Services, About Meena Bazar, Contact, Download App, Social Handles.

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Features Not to be Tested:

- Database management.
- Server configurations.
- Third-Party Integrations:

Test Approach:

- **Manual Testing:**
  - All test cases will be executed manually by the QA team.
- **Test Types:**
  - Functional Testing: Validate all features work as expected.
  - UI Testing: Ensure the design is consistent and user-friendly.

Entry Criteria:

- The website is fully developed and deployed to the test environment.
- Test cases are reviewed and approved.
- Test data (products, user accounts) is prepared.
- Test environment is set up and accessible.

Exit Criteria:

- All test cases are executed.
- All critical and high-priority defects are resolved.
- Test summary report is prepared and approved.

Suspension Criteria:

Testing will be suspended if:

- Major defects **block** core functionality (e.g., checkout process fails).
- Test environment becomes unavailable.
- Insufficient test data is available.

Roles & Responsibilities:

- **Test Lead:**
    - Plan and oversee testing activities.
    - Review test cases and reports.
- **QA Engineers:**
    - Execute test cases.
    - Log defects and retest fixes.
- **Developers:**
    - Fix defects reported by the QA team.
- **Project Manager:**
    - Approve the test plan and deliverables.

Schedule:

- **Test Case Preparation**: 2 days
- **Test Execution**: 5 days
- **Defect Retesting**: 2 days
- **Test Summary Report**: 1 day

Training:

- **Domain training:** Overview of the e-commerce domain and Meena Bazar Online's business processes
- **Process training:** Guidelines on manual testing strategies and techniques for transaction functionalities.

Test Environment:

- **Hardware**:
    - Laptops/Desktops (Windows).
    - Mobile device (Android).

- **Software**:
    - Browsers: Chrome, Firefox, Edge.
    - Operating Systems: Windows 11, Android.

- **Test Data**:
    - Sample products, user accounts, and payment details.

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

Approval:

Specifies who has the authority to approve the test plan and test results:
- QA Lead, PM, Development Team.

Glossary

- **QA**: Quality Assurance
- **UI**: User Interface
- **Defect**: Any deviation from expected functionality.