

## **Demoblaze website Test Plan**

**1. Scope and Objective** testing for the Demoblaze website includes verifying its core functionalities, user experience, and performance to ensure a seamless shopping experience. The following areas are within the scope:

- User authentication and account management
- Product browsing and search functionality
- Shopping cart and checkout process
- Payment gateway integration
- Order confirmation and tracking
- UI responsiveness and accessibility
- Performance testing under various load conditions
- Compatibility testing across multiple devices and browsers

### **2. Minimum Viable Testing**

- Functional testing of critical features
- Basic UI/UX validation
- Compatibility testing across major browsers

### **3. Features to be Tested**

- User authentication (Login/Signup)
- Product catalog browsing
- Shopping cart functionality
- Checkout process
- Order confirmation and tracking
- Customer support contact

#### 4. Test Approach

- Manual and automated testing combination
- Functional, regression, and exploratory testing
- Test case execution based on priority
- Defect logging and tracking

#### 5. Test Tools To streamline the testing process, the following tools will be used:

- **Test Management & Defect Tracking:** Jira
- **Automation Testing:** Selenium WebDriver
- **API Testing:** Postman

#### 6. Test Environment

- Operating Systems: Windows, Android, iOS
- Browsers: Chrome, Firefox, Edge, Safari, Brave
- Devices: Desktop, tablets, and mobile devices
- Network conditions: 4G, Wi-Fi

#### 7. Test Schedule (3 Weeks)

Week	Activities
Week 1	- Test planning and strategy finalization - Environment setup and test data preparation - Creation of manual and automated test cases
Week 2	- Execution of manual functional test cases - Execution of automated test scripts for login, cart, and checkout - Bug logging, reporting, and re-testing of fixes - Expansion of automation coverage for additional modules
Week 3	- User Acceptance Testing (UAT) support and validation - Bug verification and final issue resolution - Test summary reporting and sign-off preparation

## 8. Roles & Responsibilities

- Team lead: Oversees the testing process, reports progress
- Test Engineers: Create and Execute test cases, log defects, retest fixes

## 9. Entry & Exit Criteria

- **Entry Criteria:** Test environment ready, test cases designed, stable build received
- **Exit Criteria:** All high-priority test cases executed, no critical defects, acceptance sign-off

## 10. Risk Management

- **Potential Risks:** Delayed build delivery, unavailability of resources, unexpected defects
- **Mitigation:** Early risk identification, contingency planning, parallel testing

## 11. Test Deliverables & Documentation

- Test Plan Document
- Test Cases & Scripts
- Test Execution Reports
- Defect Reports
- Final Test Summary Report

## 12. Test Cases and Scripts

- Login with valid/invalid credentials
- Adding/removing items from the cart
- Processing payment with different methods
- Order placement and confirmation validation
- UI responsiveness checks

## 13. Metrics & Reporting

- Test case execution progress
- Defect density and severity trends
- Test coverage percentage