Demo Blaze

[STORE](https://www.demoblaze.com/)

Test Plan

Project Name: Demo Blaze

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& Team Rocking Testers

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**1. Introduction**

The purpose of this test plan is to define the testing activities, objectives, scope, and deliverables for testing the DemoBlaze website. This document outlines the strategies to ensure the website functions as expected, covering both manual and automated testing.

**2. Objective**

The objective of this test plan is to validate the functionality, usability, performance, and security of the DemoBlaze website. The goal is to identify and resolve defects before deployment, ensuring a seamless user experience.

**3. Scope**

* Functional testing of all website features (User authentication, Product purchase, Cart management, etc.).
* UI/UX testing to ensure ease of use and consistency.
* Compatibility testing across different browsers and devices.
* Performance testing to validate site responsiveness.
* API testing to verify backend interactions.
* Security testing to identify vulnerabilities.

**4. Testable Features**

* User Registration & Login
* Product Browsing & Search
* Shopping Cart Functionality
* Checkout & Payment Process
* Order History & User Profile
* Contact & Support Features

**5. Testing Approach**

* **Manual Testing**: Conducted by Vinita Kumawat to identify UI issues and functional defects.
* **Automation Testing**: Performed by Shubham Y using Selenium with Java, Cucumber, and POM.
* **API Testing**: Conducted using Postman to validate backend APIs.

**6. Roles & Responsibilities**

* **Team Leader**: Prince Kumar Sarswat - Oversees the testing process and ensures adherence to the plan.
* **Manual Tester**: Vinita Kumawat - Creates and executes manual test cases, documents test reports.
* **Automation Tester**: Shubham Y - Develops and executes Selenium automation scripts, API testing.

**7. Test Schedule**

|  |  |  |  |
| --- | --- | --- | --- |
| **Phase** | **Activity** | **Responsible** | **Duration** |
| Planning | Test plan creation | Prince Kumar Sarswat | 1 day |
| Test Case Preparation | Writing test cases | Vinita Kumawat | 1 days |
| Execution | Manual & Automation Testing | Vinita & Shubham | 2 days |
| Reporting | Test reports submission | Vinita Kumawat | 1 day |

**8. Test Deliverables**

* Test Plan Document
* Mind Map
* Test Scenarios & Test Cases
* Test Execution Reports
* Defect Report
* Automation Test Scripts

**9. Entry & Exit Criteria**

**Entry Criteria:**

* Application is ready for testing.
* Test environment is set up.
* Test cases are reviewed.

**Exit Criteria:**

* All critical defects are fixed and verified.
* Test cases executed with expected results.
* Final test summary report is submitted.

**10. Tools**

* Selenium with Java, Cucumber, and POM for automation
* Postman for API testing
* Jira for defect tracking
* TestRail for test case management

**11. Risks and Mitigation Plans**

|  |  |
| --- | --- |
| Risk | Mitigation Plan |
| Delayed Bug Fixes | Regular follow-ups with the development team |
| Unstable Test Environment | Coordinate with DevOps for stable builds |
| Automation Failures | Implement retry mechanisms and logs |

**12. Approvals**

The test plan is approved by:

* **Shiva Kumar MG** (Head of Testing)

**13. Mind Map Overview**

