**https://www.demoblaze.com/**

**Project Name: DEMO BLAZE**

**Test Plan Demo Blaze**

**Submitted By:**

**Vinita Kumawat(fs40\_393032)**

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* **Introduction**

This document outlines the strategy, objectives, scope, and approach for testing the DEMO BLAZE web application. It provides a comprehensive plan to ensure the application meets its functional and usability requirements through systematic testing.

* **Objective**
* To validate the core functionality and features of the DEMO BLAZE web application.
* To perform usability testing to ensure a smooth and intuitive user experience.
* **Scope**

The testing scope includes verifying the functionality, usability, and performance of all major features of the DEMO BLAZE platform.

* **Testable Features**
  + Home Page Navigation
  + Product Categories (Phones, Laptops, Monitors)
  + Product Details Page
  + Add to Cart Functionality
  + Contact and About Pages
  + Sign Up and Login Features
  + Purchase Flow
  + Logout Functionality
* **Testing Approach**

**A. Testing Types:**

* **Functional Testing** – To verify each feature works according to the requirements.
* **Usability Testing** – To ensure the application is user-friendly and intuitive.
* **Performance Testing** – To validate application response time and performance under load.

**B. Testing Environments:**

* **UAT (User Acceptance Testing)**
* **Pre-Production**

**C. Supported Platforms:**

* **Operating System**: Windows 11 and above
* **Browsers**: Chrome, Firefox, Microsoft Edge
* **Tools Used**: Cypress (for automation), Jira (for defect tracking)
* **Roles & Responsibilities**

| **Role** | **Name** | **Responsibilities** |
| --- | --- | --- |
| **Test Manager** | **Shiva Kumar** | Oversees project execution, resolves conflicts, and validates deliverables. |
| **Test Engineer** | **Vinita Kumawat** | Creates test plans, strategies, and test cases; manages functional and usability testing; reports defect and contributes to test documentation. |
| **Team Lead** | **Vinita Kumawat** | Implements automation using Selenium with Cucumber and POM; ensures quality and technical accuracy. |
|  |  |  |

* **Test Deliverables**
* **Test Plan** – This document outlines the test strategy and scope.
* **Test Scenarios & Test Cases** – Functional and usability test cases.
* **Defect Report** – Documented bugs categorized by severity and priority.
* **Entry and Exit Criteria**

**A. Requirement Process:**

* Entry: Business requirement documents are received.
* Exit: Requirements fully understood and ready for test planning.

**B. Test Planning:**

* Entry: Requirements reviewed, features analysed.
* Exit: Test strategy and plan ready for client approval.

**C. Test Design:**

* Entry: Client approval received.
* Exit: Test scenarios and cases are completed and reviewed.

**D. Test Execution:**

* Entry: Test cases approved and signed off.
* Exit: Execution complete, defect logs updated.

**E. Test Closure:**

* Entry: Execution and defect reporting completed.
* Exit: Summary report submitted, project officially closed.
* **Tools**
* **Test Management Tool:** Jira or TestRail to track test cases and defects.
* **Bug Tracking Tool:** Jira for defect management.
* **Cross-browser Testing Tools:** Browser Stack or Sauce Labs.
* **Google Sheet**
* **Google Docs**
* **X Mind Map**
* **Risks & Mitigation**

| **Risk** | **Mitigation** |
| --- | --- |
| Lack of testers | Utilize senior testers as backup |
| Incomplete requirements | Clarify with stakeholders; maintain active communication |