**Business Requirements Document (BRD)**

**Project Title:**

**Enhancement of Demo E-Commerce Website – Demoblaze**

**Document Version:**

**v1.0**

**Prepared By:**

**Jameer (Business Owner)**  
**Date:** June 10, 2025

**1. Executive Summary**

Demoblaze is a publicly available demo e-commerce platform used for training, testing, and learning purposes. The goal of this enhancement project is to improve the user experience, ensure smoother transaction workflows, and simulate real-world shopping scenarios more effectively. These enhancements will also help QA teams and trainees to perform more realistic end-to-end testing.

**2. Business Objectives**

* Improve usability and responsiveness of the platform.
* Simulate the full e-commerce shopping experience, including user registration, browsing, product selection, and checkout.
* Ensure high availability and consistent functionality for training and demonstration purposes.
* Make the system testable for QA professionals across login flows, cart functionality, and order placement.

**3. Scope of Work**

This project will focus on **functional enhancements**, **UI consistency**, and **workflow completeness**.

**In-Scope Modules:**

* User Registration & Login Flow
* Product Catalog and Category Filtering
* Product Detail Page
* Shopping Cart
* Checkout and Order Summary
* Payment Confirmation Modal (simulated)

**Out of Scope:**

* Integration with real payment gateway
* Backend database or admin panel changes
* Analytics or reporting enhancements

**4. Functional Requirements**

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| **Req. ID** | **Requirement Title** | **Business Requirement Description** |
| BR-001 | User Signup | The system must allow new users to create an account using a username and password. |
| BR-002 | User Login | Registered users must be able to securely log in and maintain session state across navigation. |
| BR-003 | Product Browsing by Category | Products must be categorized (Phones, Laptops, Monitors), and users should be able to filter easily. |
| BR-004 | Product Detail View | Clicking on a product must display details like price, description, and image. |
| BR-005 | Shopping Cart Functionality | Users must be able to add/remove items from the cart, and see price updates accordingly. |
| BR-006 | Order Placement Flow | After adding items to cart, users must be able to fill out a form and place a simulated order. |
| BR-007 | Confirmation Modal | A modal should show order summary and confirmation once “Purchase” is clicked. |
| BR-008 | User Logout | Logged-in users must be able to log out and be redirected to the homepage. |

**5. Non-Functional Requirements**

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| **Req. ID** | **Requirement Description** |
| NFR-001 | The application should support Chrome, Firefox, and Edge browsers. |
| NFR-002 | Website must load within 2 seconds under standard network. |
| NFR-003 | UI elements must be responsive and mobile-compatible. |
| NFR-004 | Session must expire after 10 minutes of inactivity. |
| NFR-005 | Form validations must show appropriate messages for empty/invalid fields. |

**6. Stakeholders**

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| **Role** | **Name** | **Responsibility** |
| Business Owner | Jameer | Defines business requirements. |
| Application Owner | Naresh | Defines business requirements from technical point of view. |
| Development Lead | Siddharth | Handles implementation of changes. |
| QA Lead  (Testing Lead) | Vijay | Ensures features meet business expectations. |

**7. Assumptions and Dependencies**

* The current version of Demoblaze will serve as the base system.
* All data will be test/demo data; no real customer information or payment processing is involved.
* Testing will be performed only on the front-end UI; backend validation is out of scope.

**8. Approval**

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| **Name** | **Role** | **Signature Date** |
| Jameer | Business Owner |  |
| Siddharth | Development Lead |  |
| Vijay | QA Lead |  |