Functional Requirements Document (FRD) - Demoblaze

# 1. Purpose

To define the functional expectations of the Demoblaze demo e-commerce site. The platform allows users to browse products, add them to a shopping cart, and complete a simulated checkout process.

# 2. User Roles

- Guest User: Can browse products and attempt checkout.

- Registered User: Can sign up, log in, manage cart, and place orders.

# 3. Functional Requirements

|  |  |
| --- | --- |
| ID | Description |
| FRD-001 | System shall display products categorized by Phones, Laptops, and Monitors. |
| FRD-002 | System shall allow users to sign up with unique username and password. |
| FRD-003 | System shall allow registered users to log in with valid credentials. |
| FRD-004 | System shall allow adding products to a shopping cart. |
| FRD-005 | System shall allow removing products from the cart. |
| FRD-006 | System shall prevent checkout if cart is empty. |
| FRD-007 | System shall allow entering checkout details (Name, Country, City, Credit Card, Month, Year). |
| FRD-008 | System shall validate that checkout fields are not empty. |
| FRD-009 | System shall generate an order confirmation with ID and amount. |
| FRD-010 | System shall clear cart after successful order. |

# 4. Acceptance Criteria

- User cannot sign up with an existing username.

- Login fails gracefully with invalid credentials.

- Adding to cart triggers confirmation alert.

- Checkout fails if mandatory fields are empty.

- Confirmation message includes unique order ID and amount.

- Cart is cleared after successful checkout.

# 5. Constraints & Assumptions

- Payment is simulated; no real transactions occur.

- Site does not store real financial information.

- Test scope limited to Chrome, Firefox, and Edge.

- Cart persists only during the logged-in session.

# Appendix

Glossary:

- Cart: Temporary storage of selected products before checkout.

- Order: A confirmed purchase with details and amount.

- Confirmation Page: Page showing order success message with ID.

# Quality Assurance Sign-off

This document has been reviewed and approved by the QA team.

## QA Team Leader:

Ali Abo Jafar

## QA Team Members:

Baseil Jaber