

BRD & SRS Document

Project: E-Commerce Ordering System (Dummy Project)

Document Version: 2.0

Prepared For: Sample / Learning / Interview Use

1. Business Requirements Document (BRD)

1.1 Purpose

This document captures the high-level business requirements for the E-Commerce Ordering System. The system aims to enable customers to browse products, place orders, and make secure online payments while allowing business users to manage operations efficiently.

1.2 Business Objectives

- Increase online sales revenue
- Provide seamless shopping experience
- Reduce manual order processing
- Improve order accuracy and tracking

1.3 Stakeholders

- Business Owner
- Customers
- Sales & Operations Team
- Customer Support Team
- IT & Development Team

1.4 Business Scope

In Scope:

- User registration and authentication
- Product catalog management
- Shopping cart and checkout
- Online payment processing
- Order management and tracking
- Basic reports and dashboards

Out of Scope:

- Internationalization and multi-currency
- Advanced AI-based recommendations
- Third-party logistics integration

1.5 Business Risks

- Payment gateway failures
- Data security and privacy risks
- High traffic during sales events

2. Software Requirements Specification (SRS)

2.1 System Overview

The E-Commerce Ordering System is a web-based application designed to facilitate online purchase of products. It consists of a customer-facing portal and an admin dashboard.

2.2 User Roles

- Customer: Browse products, add to cart, place orders, make payments, track orders
- Admin: Manage users, products, pricing, orders, and reports
- Support Staff: View orders and assist customers

2.3 Functional Requirements

FR-01 User Registration:

- The system shall allow users to register using email and mobile number.

FR-02 User Login:

- The system shall authenticate users using secure credentials.

FR-03 Product Catalog:

- The system shall display product categories, details, images, and prices.

FR-04 Search & Filter:

- The system shall allow users to search products by name, category, and price.

FR-05 Shopping Cart:

- The system shall allow users to add, update, or remove items from the cart.

FR-06 Checkout:

- The system shall capture delivery address and order summary.

FR-07 Payment Processing:

- The system shall integrate with a payment gateway for online payments.

FR-08 Order Confirmation:

- The system shall generate an order confirmation after successful payment.

FR-09 Order Tracking:

- The system shall allow users to track order status.

FR-10 Admin Management:

- Admin shall manage products, inventory, pricing, and orders.

2.4 Non-Functional Requirements

Performance:

- The system shall support up to 5,000 concurrent users.
- Page response time shall be less than 3 seconds.

Security:

- All sensitive data shall be encrypted.
- Role-based access control shall be implemented.

Availability:

- System uptime shall be at least 99%.

Scalability:

- The system shall scale horizontally to handle peak loads.

Usability:

- The system shall be user-friendly and accessible on major browsers.

2.5 Assumptions & Constraints

Assumptions:

- Users have internet-enabled devices.

Constraints:

- Must comply with applicable data protection laws.
- Must support latest versions of Chrome, Edge, and Firefox.

2.6 Acceptance Criteria

- All functional requirements are implemented and tested.
- No critical or high-severity defects at go-live.
- User acceptance testing (UAT) sign-off received.