Functional Specification Document (FS)

Project: Demo Web Shop – E-commerce Website

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Model: Agile

# 1. Overview

This document provides detailed functional requirements for the Demo Web Shop application. It serves as a guideline for developers and testers to ensure feature alignment with business needs.

# 2. Functional Modules

- User Registration and Login

- Product Search and Browsing

- Shopping Cart

- Checkout and Payment

- Order History and Profile Management

- Admin Panel for Product and User Management

# 3. Functional Requirements

3.1 User Registration

- Users must be able to register with email and password

- Confirmation message should be shown upon successful registration

3.2 Login

- Users can log in using registered credentials

- Forgot password option should be available

3.3 Product Browsing

- Products should be listed by category

- Each product page should show title, description, price, and 'Add to Cart' button

3.4 Shopping Cart

- Users can view/edit cart items

- Cart must show total price and quantity

3.5 Checkout

- Users can enter shipping details and proceed to payment

- Dummy/test payment methods should be available

3.6 Order History

- Users can view past orders and statuses

- Orders should include order ID, date, total, and items

# 4. Non-functional Requirements

- Website must load under 3 seconds

- Website should be responsive and mobile-friendly

- Secure handling of user data