Opencart

Project Name: OpenCart (Frontend)

Project Functional Requirement Specification

(Version 1)

Prepared By: Kirti Singh
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1. Introduction

Purpose: To delineate the functional requirements of the OpenCart Demo Store, facilitating effective manual testing and ensuring alignment with user expectations.

Scope: This document encompasses the core functionalities of the OpenCart Demo Store, including user registration, product browsing, shopping cart operations, checkout process, and customer account management.

2. System Overview

OpenCart is an open-source e-commerce platform designed to provide a user-friendly interface for online shopping. The demo store showcases the platform's capabilities, allowing users to interact with various features without affecting real data.

3. Functional Requirements

3.1. User Registration and Authentication

FR1: The system shall allow users to register by providing necessary details such as name, email, and password.

FR2: The system shall validate user inputs during registration and provide appropriate error messages for invalid entries.

FR3: Registered users shall be able to log in using their credentials.

FR4: The system shall provide a password recovery mechanism for users who have forgotten their passwords.

3.2.Product Browsing and Search

FR5: Users shall be able to browse products by categories and subcategories.

FR6: The system shall provide a search functionality to find products by name or keyword.

FR7: Product listings shall display essential information, including product name, image, price, and brief description.

FR8: Users shall be able to view detailed product information on a separate product page.

3.3.Shopping Cart Operations

FR9: Users shall be able to add products to the shopping cart from product listings or product detail pages.

FR10: The system shall display the number of items and total price in the shopping cart.

FR11: Users shall be able to update product quantities or remove products from the cart.

FR12: The shopping cart shall reflect real-time updates based on user actions.

3.4.Checkout Process

FR13: Users shall be able to proceed to checkout from the shopping cart.

FR14: The checkout process shall include steps for billing information, shipping details, and payment method selection.

FR15: The system shall validate all required fields during checkout and prompt users to correct any errors.

FR16: Upon successful order placement, the system shall display an order confirmation message and provide order details.

3.5.Customer Account Management

FR17: Logged-in users shall have access to a dashboard displaying their account information and order history.

FR18: Users shall be able to update their personal information, including address and contact details.

FR19: The system shall allow users to view details of past orders, including products purchased, quantities, and total amounts.

FR20: Users shall be able to initiate return requests for eligible orders.

3.6.Contact and Support

FR21: The system shall provide a contact form for users to submit inquiries or feedback.

FR22: Submitted contact forms shall be acknowledged with a confirmation message.

4. Assumptions and Constraints

The demo store does not process real payments; payment functionalities are simulated for demonstration purposes.

User data entered into the demo store is not stored persistently and may be reset periodically.

5. Sign-Off

The following parties have read and agree with this Requirements Definition document for the OpenCart

application account module functionality.

After approval of this Requirements Definition phase, any significant changes in the scope of this project will require validation of existing project costs and schedules.

Name:
Business Lead:
Date:

Name: Project Manager:
Date: