Test Plan

1. Document Information

- **Document Title:** Test Plan
- **Project Name:** OpenCart (Frontend)
- **Client:** OpenCart
- **Version:** 1.0
- **Prepared By:** Vaishnavi Ugavekar

2. Introduction

2.1 Purpose

The purpose of this Test Plan document is to define the overall testing approach, scope, resources, and schedule for validating the functionality of the OpenCart Frontend application. This document serves as a reference to plan and control the manual testing activities.

2.2 Scope

This test plan covers manual functional testing of the OpenCart customer-facing web application. The testing will ensure that core features work as expected according to the Functional Requirement Specification (FRS).

2.3 Intended Audience

- Quality Assurance Team
- Development Team
- Project Stakeholders

3. Application Overview

OpenCart is a web-based e-commerce application that allows users to browse products, manage user accounts, add products to a shopping cart, and place orders online.

4. Test Items

The following application modules are planned for testing:

- User Registration
- Login
- Logout
- Forgot Password
- Search
- Product Comparison
- Product Display Page
- Add to Cart
- Wish List
- Shopping Cart
- Home page
- Checkout
- My Account
- My Account Information
- Change Password
- Address Book
- Order History
- Order Information
- Return Request
- Return List
- Return Information
- Downloads
- Reward Points
- Transactions
- Affiliate Account
- Newsletter Subscription
- Contact Us
- Gift Certificate
- Special Offers
- Brands
- Header, Menu, and Footer options
- Currency Selection

5. Features to Be Tested

- User account creation with valid and invalid data
- Authentication and session handling (Login, Logout, Forgot Password)
- Product browsing, category navigation, and product search functionality
- Product details display and related product information
- Currency selection and price update functionality across pages
- Add to Cart functionality and cart updates
- Checkout flow validation and order placement
- Address management within user account

- Order history and order information access
- Return request functionality
- Newsletter subscription management
- Gift certificate purchase and redemption functionality
- Affiliate account registration and management
- Navigation through header, menu, and footer links

6. Features Not to Be Tested

- Performance testing
- Load and stress testing
- Automation testing
- Security and penetration testing
- Backend and database validation

7. Test Approach

- Manual testing will be performed based on the Functional Requirement Specification
- Test scenarios and test cases will be designed for each functional requirement
- Both positive and negative test scenarios will be executed
- Defects will be logged with severity and priority
- Retesting and regression testing will be performed after defect fixes

8. Test Environment

- **Application Type:** Web Application
- **Browsers:** Chrome, Firefox
- **Operating System:** Windows
- **Environment:** Test / QA Environment

9. Entry Criteria

- Functional Requirement Specification is approved
- Test environment is available and stable
- Application build is deployed
- Test data is prepared

10. Exit Criteria

- All planned test cases are executed
- Critical and major defects are fixed or accepted

- Test execution results are documented
- Test summary is prepared

11. Deliverables

- Test Plan Document
- Test Scenarios
- Test Case Document
- Requirement Traceability Matrix (RTM)
- Test Execution Results
- Bug Report

12. Roles and Responsibilities

- **QA Tester:** Test case design, execution, and defect reporting
- **QA Lead:** Test planning, monitoring, and reporting
- **Developer:** Defect fixing and support

13. Risks and Mitigation

- Risk: Requirement changes
  Mitigation: Review and update test cases accordingly
- Risk: Environment issues
  Mitigation: Coordinate with support team
- Risk: Limited test time
  Mitigation: Prioritize critical functionalities

14. Assumptions

- Application requirements remain stable during testing
- Required browsers are available
- Test data is available for execution

15. Approval

This Test Plan is prepared to guide the manual testing activities for the OpenCart Frontend application.