

# Opencart

**Project Name: OpenCart (Frontend)**

## Test Plan

Document Author	Document Version	Revised Date
Kirti Singh	1.0	02 September, 2025

## Table of Content

1. Overview.....	3
2. Scope.....	3
2.1. Inclusion.....	3
2.2. Exclusion.....	3
3. Test Strategy.....	4
3.1. Testing Types.....	4
3.2. Test Design Techniques.....	4
4. Test Environment.....	4
4.1. Supported Browsers.....	4
4.2. Supported Devices.....	5
5. Test Deliverables.....	5
6. Test Schedule.....	5
7. Roles Responsibilities.....	6
8. Entry and Exit Criteria.....	6
8.1. Entry Criteria.....	6
8.2. Exit Criteria.....	6
9. Risk Management.....	7
10. Tools.....	7

## 1. Overview

- Application Under Test (AUT): OpenCart Demo Store (<https://demo.opencart.com/>)
- Objective: To validate the functionality, usability, and reliability of the OpenCart Demo Store through systematic manual testing.
- Prepared By: Kirti Singh
- Date: 22 August, 2025

## 2. Scope

### 2.1. Inclusions

The testing will cover the following functionalities

- User Registration and Authentication
- Product Browsing and Search
- Shopping Cart and Operations
- Checkout Process
- Customer Account Management
- Contact and Support
- Responsive Design across various devices and browsers

### 2.2. Exclusions

- Admin Panel functionalities
- Third-party integrations and payment gateways
- Performance and load testing
- Security testing beyond basic validations

## 3. Test Strategy

### 3.1. Testing Types

- **Functional Testing:** To verify that each function of the application operates in conformance with the requirement specification.
- **Usability Testing:** To ensure the application is user-friendly and intuitive.
- **Compatibility Testing:** To confirm the application performs well across different browsers and devices.
- **Regression Testing:** To ensure that new code changes have not adversely affected existing functionalities.
- **Exploratory Testing:** To identify any unexpected behavior or issues through ad-hoc testing.

### 3.2. Test Design Techniques

- Equivalence Partitioning
- Boundary Value Analysis
- Decision Table Testing
- State Transition Testing
- Use Case Testing

## 4. Test Environment

### 4.1. Supported Browsers

- Google Chrome (Latest Version)
- Mozilla Firefox (Latest Version)

- Microsoft Edge (Latest Version)
- Safari (Latest Version)

## 4.2. Supported Devices

- Windows 10 PCs
- MacOS Computers
- Android Smartphones
- iOS Devices

## 5. Test Deliverables

- **Test Plan Document:** This document outlining the testing approach.
- **Test Cases:** Detailed test cases covering all in-scope functionalities.
- **Bug Reports:** Documentation of defects identified during testing.
- **Test Summary Report:** Summary of testing activities, results, and recommendations.

## 6. Test Schedule

Activity	Start Date	End Date
FRS	08/22	08/22
Test Planning	08/22	09/02
Test Case Development	09/02	09/07
Test Environment Setup	-	-

Activity	Start Date	End Date
Test Execution	-	-
Defect Reporting & Retest	-	-
Test Closure	-	-

## 7. Roles and Responsibilities

Role	Responsibilities
Test Manager	Overall test planning, resource allocation, and communication with stakeholders
Test Lead	Test case review, defect management, and progress tracking
Test Engineers	Test case execution, defect logging, and retesting

## 8. Entry and Exit Criteria

### 8.1. Entry Criteria

- Test environment is set up and accessible
- Test cases are reviewed and approved
- All necessary resources are available

### 8.2. Exit Criteria

- All planned test cases have been executed

- All critical and high severity defects have been resolved and retested
- Test summary report has been prepared and reviewed

## 9. Risk Management

Risk	Mitigation Strategy
Test environment instability	Regular backups and monitoring
Resource unavailability	Cross-training team members to cover critical tasks
Delayed defect fixes	Prioritize defects based on severity and impact

## 10. Tools

- **Test Management:** Excel
- **Defect Tracking:** Jira
- **Communication:** Email