**TEST PLAN**

Product Name: OpenCart (Frontend)  
**Prepared by:** Puja Tamang  
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## Overview

This test plan was created by Puja Tamang as part of a manual testing portfolio project to demonstrate test planning skills using ['https://demo.opencart.com/](https://demo.opencart.com/)' ecommerce application. This test plan outlines the project's scope, test strategy, schedule, resource requirements, and deliverables.

## Scope

The project scope encompasses testing the following features of the ['https://demo.opencart.com/'](https://demo.opencart.com/) web application:

• User Register

• User Login & Logout

• Forgot Password

• Product Search

• Product Compare

• Product Display Page

• Add to Cart

• Wish List

• Shopping Cart

• Currencies

• Home Page

• Checkout Page

• My Account Page

• Order History Page

• Downloads Page

• Contact Us Page

• Menu Options

• Footer Options

• Category Pages

## Test Environments

• Windows 11 – Chrome and Edge

• Mac OS – Safari Browser

• Android Mobile OS – Chrome

• iPhone Mobile OS - Safari

## Exclusions

• Features not explicitly mentioned in the "Inclusions" section

• Any third-party features or payment gateways

## Test Strategy

This project involves conducting functional testing of all specified features in the [OpenCart Demo Application](https://demo.opencart.com/). The testing approach followed is as bel. The testing approach involves:

1. Test Scenario and Test Case Creation:

•Applied ECP, BVA, and Use Case Testing for test design.

• Incorporating expertise-based methods such as Error Guessing and Exploratory Testing.

• Prioritizing Test Cases.

2. Testing Process:

• Conducting Smoke Testing initially.

• Rejecting builds failing Smoke Testing and waiting for a stable build.

• Performing in-depth testing on stable builds.

• Simultaneously testing on multiple supported environments.

• Reporting bugs daily to the development team.

3. Types of Testing:

• Smoke Testing and Sanity Testing

• Regression Testing and Retesting

• Usability Testing, Functionality & UI Testing

4. Best Practices:

• Context Driven Testing

• Shift Left Testing

• Exploratory Testing

• End to End Flow Testing

## Defect Reporting Procedure

During test execution, any deviation or usability issue will be noted, documented, and reported daily, including screenshots and steps for reproducibility. Defects will be recorded in an Excel sheet, and test scenarios/cases will be documented in an Excel document.

## Roles/Responsibilities

|  |  |  |
| --- | --- | --- |
| Name | Role | Responsibilities |
| Puja Tamang | Software Testing Learner | • Created a sample test plan for OpenCart demo site • Designed and executed functional test cases • Practiced defect reporting |

## Test Schedule

Following is the test schedule planned for the project:

|  |  |
| --- | --- |
| Task | Duration |
| Creating Test Plan | 1 day |
| Test Case Design | 2 days |
| Test Case Execution | 2 days |
| Defect Reporting | 1 day |

## Test Deliverables

|  |  |  |
| --- | --- | --- |
| S.No | Deliverable | Description |
| 1 | Test Plan | Document detailing the scope, objectives, approach, resources, and schedule of testing. |
| 2 | Test Cases / Scenarios | Detailed steps for testing each functionality of the application. |
| 3 | Test Data | Data prepared specifically for executing the test cases. |
| 4 | Test Execution Report | Record of test case execution results, including pass/fail status. |
| 5 | Bug / Defect Report | List of defects found during testing with severity, description, and status. |

## Entry and Exit Criteria

The below are the entry and exit criteria for every phase of the Software Testing Life Cycle.

**Requirement Analysis**

Entry Criteria:

* Once the testing team receives Requirements Documents or project details.

Exit Criteria:

* Requirements understood; doubts cleared.

**Test Planning**

Entry Criteria:

* Testable Requirements derived from the project details.

Exit Criteria:

* Test Plan signed off by the Client.

**Test Designing**

Entry Criteria:

* Signed Test Plan Document.

Exit Criteria:

* Test Scenarios and Test Cases signed off.

**Test Execution**

Entry Criteria:

* Signed Test Scenarios and Test Cases; Application ready for testing.

Exit Criteria:

* Test Case Reports, Defect Reports ready.

**Test Closure**

Entry Criteria:

* Test Case Reports, Defect Reports ready.

Exit Criteria:

* Test Summary Reports prepared.

## Suspension and Resumption Criteria

Project suspension and resumption depend on Client decisions. Resource scaling will be managed accordingly.

## Tools

• XYZ Bug Tracking Tool

• Mind map Tool

• Snipping Screenshot Tool

• Word and Excel documents

## Risks and Mitigations

|  |  |
| --- | --- |
| **Risk** | **Mitigation** |
| Non-Availability of Resource | Backup Resource Planning |
| Build URL not working | Work on other tasks |
| Less time for Testing | Ramp up resources as needed |

## Approvals

Team will send documents for Client Approval:

• Test Plan

• Test Scenarios

• Test Cases

• Reports

Testing proceeds to the next step only after approvals.