(OpenCart.com) Test Plan

Objective

In this document of the Test Plan the objective is to ensure the functionality, reliability, and usability of the OpenCart application.

This document serves as high level test planning document with details on the scope of the project, test strategy, test schedule and resource requirements, test deliverables and schedule.

Scope

The scope of the project includes testing the following features of 'https://demo.opencart.com/' web application.

Inclusions

- Register
- Login & Logout
- Forgot Password
- 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

From our understanding, we believe above functional areas need to be Tested.

Exclusions

- All the features except that are mentioned under 'Inclusions'
- Any third-party features or Payment gateways
- Non-functional testing like performance, load and security testing.

Test Environments

- The operating systems and versions that will be used for testing, such as Windows 10, macOS, or Linux.
- Cross Platform: Google Chrome, Mozilla Firefox, or Microsoft Edge.
- Responsive Testing: phone (412X915px), Laptop (1920X1080px).

Defect Reporting Procedure

During the test execution –

- Any deviation from expected behaviour by the application will be noted. If it can't be reported as a defect, it'd be reported as an observation/issue or posed as a question.
- Any usability issues will also be reported.
- After discovery of a defect, it will be retested to verify reproducibility of the defect. Screenshots with steps to reproduce are documented.
- Every day, at the end of the test execution, defects encountered will be sent via email with the observations.

Roles/Responsibilities

Name	Role	Responsibilities
Ayush	Test Manager	• Escalations • Attend any meeting with client.
Ankit	Test Lead	• Business Test Coverage • UAT Session with client and getting client signoffs. • Attend any meeting with client.
Anuj	Test Engineer	• Interact with the application, create and execute the test cases. • Report defects. • Coordinate the test execution. • Verify validity of the defects being reported. • Summary defect reports to the client. • Attend any meeting with client. • Interact with the application • Execute the Test cases. • Report defects

Test Strategy

As part of Functional Testing, we will follow the below approach for Testing:

Step 1 – Creation of Test Scenarios and Test Cases for various features in scope.

We will apply several Test Designing techniques while developingTest Cases.

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

We also use our expertise in creating Test Cases by applying the below:

- Error Guessing
- Exploratory Testing

We prioritise the Test Cases

Step 2 – Our Testing process, when we get an Application for Testing.

- Perform Smoke Testing on the received build to verify critical functionalities.
- Reject the build if smoke testing fails, wait for a stable build.
- Upon smoke test pass, conduct detailed functional testing using predefined test cases.
- Multiple testers work in parallel across different supported environments.
- Log all defects in the bug tracking tool.
- Share a daily status email with the development and management teams summarizing reported issues.

As part of the Testing, we will perform the below types of Testing:

- Smoke Testing and Sanity Testing
- Regression Testing and Retesting
- Usability Testing, Functionality & UI Testing

We repeat Test Cycles until we get the quality product.

Step 3 – We will follow the below best practices to make our Testing better.

- **Context Driven Testing** – We will be performing Testing as per the context of the given application.
- **Shift Left Testing** – We will start testing from the beginning stages of the development itself, instead of waiting for the stable build.
- **Exploratory Testing** – Using our expertise we will perform Exploratory Testing, apart from the normal execution of the Test cases.
- **End to End Flow Testing** – We will test the end-to-end scenario which involve multiple functionalities to simulate the end user flows.

Test Schedule

Following is the test schedule planned for the project –

Task	Time Duration
• Creating Test Plan	1 day
• Test Case Creation	4 day
• Test Case Execution	7 day
• Summary Reports Submission	5 hr

Test Deliverables

The following are to be delivered to the client -

Deliverables	Description	Target Completion Date
Test Plan	Details on the scope of the Project, test strategy, test schedule, resource requirements, test deliverables and schedule	20/07/25
Functional Test Cases	Test Cases created for the scope defined	05/08/25
Defect Reports	Detailed description of the defects identified along with screenshots and steps to reproduce on a daily basis.	N/A
Summary Reports	Summary Reports – Bugs by Bug#, Bugs by Functional Area and Bugs by Priority	N/A

Entry and Exit Criteria

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

Requirement Analysis

Entry Criteria:

- Once the testing team receives the Requirements Documents or details about the Project

Exit Criteria:

- List of Requirements are explored and understood by the Testing team
- Doubts are cleared

Test Execution

Entry Criteria:

- Test Scenarios and Test Cases Documents are signed-off by the Client
- Application is ready for Testing

Exit Criteria:

- Test Case Reports, Defect Reports are ready

Test Closure

Entry Criteria:

- Test Case Reports, Defect Reports are ready

Exit Criteria:

- Test Summary Reports

Tools

The following are the list of Tools we will be using in this Project:

- JIRA Bug Tracking Tool
- Zephyr Scale
- Snipping Screenshot Tool
- Word documents

Risks and Mitigations

The following are the list of risks possible and the ways to mitigate them:

Risk: Non-Availability of a Resource

Mitigation: Backup Resource Planning

Risk: Build URL is not working

Mitigation: Resources will work on other tasks

Risk: Less time for Testing

Mitigation: Ramp up the resources based on the Client needs dynamically

Approvals

Team will send different types of documents for Client Approval like below:

- Test Plan
- Test Scenarios
- Test Cases
- Reports

Testing will only continue to the next steps once these approvals are done.