

# Test Plan (demo.opencart.com)

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## Objective

The objective of this test plan is to ensure that the OpenCart platform meets all the functional requirements, provides a user-friendly experience, is secure, and performs well under various load conditions.

- PHP 5.4
- jQuery 2.1.1
- JavaScript
- Database (MySQL suggested)
- Web Server (Apache suggested)

## 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.

## Test Environments

- Windows 10 – Chrome, Firefox and Edge
- Linux - Chrome, Firefox and Edge
- Android Mobile OS – Chrome

## Exclusions

- All the features except those mentioned under 'Inclusions'
- Any third-party features or Payment gateways

## Test Strategy

'Ranjith' has communicated with 'OpenCart' and has understood that we need to perform Functional Testing of all the functionalities mentioned in the above Scope section.

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

Step#1 – Creation of Test Scenarios and Test Cases for the different features in scope.

- We will apply several Test Designing techniques while creating Test 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:

- Firstly, we will perform Smoke Testing to check whether the different and important functionalities of the application are working.
- We reject the build, if the Smoke Testing fails and will wait for the stable build before performing in depth testing of the application functionalities.
- Once we receive a stable build, which passes Smoke Testing, we perform in depth testing using the Test Cases created.
- Multiple Test Resources will be testing the same Application on Multiple Supported Environments simultaneously.
- We then report the bugs in bug tracking tool
- 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.

## 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 along with the observations.

Note:

- Defects will be documented in a excel.
- Test scenarios and Test cases will be documented in an excel document.

## Roles and Responsibilities

Name	Role	Responsibilities
Person A	Test Manager	<ul style="list-style-type: none"> <li>• Escalations</li> </ul>
Person B	Test Lead	<ul style="list-style-type: none"> <li>• Create the Test Plan and get the client signoffs</li> <li>• Interact with the application, create and execute the test cases</li> <li>• Report defects</li> <li>• Coordinate the test execution. Verify validity of the defects being reported.</li> <li>• Submit daily issue updates and summary defect reports to the client.</li> <li>• Attend any meeting with client.</li> </ul>
Person C	Senior Test Engineer	<ul style="list-style-type: none"> <li>• Interact with the application</li> </ul>

		<ul style="list-style-type: none"> <li>• Create and Execute the Test cases.</li> <li>• Report defects</li> </ul>
Person D	Test Engineer	<ul style="list-style-type: none"> <li>• Interact with the application</li> <li>• Create and Execute the Test cases.</li> <li>• Report defects</li> </ul>

## Test Schedule

Following is the test schedule planned for the project

Task	Time Duration
Create Test Plan	22-06-2023
Test Case Creation	23-06-2023 to 27-06-2023
Test Case Execution	01-07-2023 to 03-07-2023
Report Submission	04-07-2023

## Test Deliverables

The following are to be delivered to the client:

Deliverables	Description	Date
Test Plan	Details on the scope of the Project, test strategy, test schedule and test deliverables	22-06-2023
Functional Test Cases	Test Cases created for the scope defined	27-06-2023
Defect Reports	Detailed description of the defects identified along with steps to reproduce on a daily basis.	-
Summary Report	Summary Reports - Bugs by Bug Bugs by Functional Area and Bugs by Priority	04-07-2023

# Pricing

NA

## 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 Planning

#### Entry Criteria:

- Testable Requirements derived from the given Requirements Documents or Project details
- Doubts are cleared

#### Exit Criteria:

- Test Plan document (includes Test Strategy) is signed-off by the Client

### Test Designing

#### Entry Criteria:

- Test Plan Document is signed-off by the Client

#### Exit Criteria:

- Test Scenarios and Test Cases Documents are signed-off by the Client

### 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

## Suspension and Resumption Criteria

Based on the Client decision, we will suspend and resume the Project.  
We will ramp up and ramp down the resources as per Client needs.

## Tools

The following is a list of Tools we will be using in this Project:

- Zephyr Scale Test Management Tool
- Jira Project Management Tool
- Snipping Screenshot Tool
- Word and Excel documents

## 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.