



TEST PLAN

Product Name : Opencart



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Overview

Opencart asked to test few functionalities of “<https://demo.opencart.com/>”

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

This scope of the project includes testing the following features of “<https://demo.opencart.com/>” web application.

Inclusion

- Register
- Login and 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
- Contact Us Page
- Menu Page
- Footer Page
- Category Page

From our Understanding, we believe above functional areas need to be tested.

Test Environments

Windows 10 – Chrome, Firefox and Edge

Mac OS – safari Browser

Exclusions

- All the features except that are mentioned under 'Inclusions'
- Any third-party features or Payment gateways
- Test Automation

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 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

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

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

- Smoke Testing and Sanity Testing
- Regression Testing and Retesting
- Usability Testing , Functionality and 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 Driver 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
- End to End Flow Testing

Defect Reporting Procedure

During the test execution –

- After finding the 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.

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 receives the Requirements Documents or details about the project
- Exist Criteria : 1. List of Requirement are explored and understood by the Testing team
2. Doubts are cleared.

Test Planning

- Entry Criteria : Testing Requirements derived from the given Requirements Documents or Project Details
- Exist Criteria : Test plan document is signed off by the client

Test Designing

- Entry Criteria: Test plan Document is signed off by the client
- Exist Criteria : Test Scenarios and Test cases Documents are signed off by the client

Test Execution

- Entry Criteria: 1.Scenarios and Test cases Documents are signed off by the client
2. Application is ready for Testing
- Exist Criteria: Test case Reports, Defect Reports are ready

Test closure

- Entry Criteria : Test case Reports, Defect Reports are ready
- Exist 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 are the list of Tools we will be using in this Project:

- Jira bug Tracking Tool
- Mind Map Tool
- Snipping Screenshot Tool
- Word and Excel document
- Selenium for automation Testing
- Snipping Screenshot Tool

Risk and Mitigations

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

- Risk : Non-Availability of 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 bases on the Client need 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.
