

OpenCart

Project Name: OpenCart (Frontend) Test Plan

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Sejal A Kamthe	1.0 v	09 th Nov 2024	TBA

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Overview

OpenCart is a free, open-source e-commerce platform that helps users build and manage online stores. which is PHP-based, using a MySQL database and HTML components. It includes the objectives, scope, test responsibilities, entry and exit criteria, schedule major milestones, approaches, risk, and acronyms. OpenCart's tools, you can help your online shop live up to its fullest potential.

Scope

The scope of testing in a test plan defines the boundaries of what will be tested and what will not be tested. It also includes the features, functions, requirements, risks, and assumptions of the software.

The purpose of a test plan is to ensure that software testing is done systematically and effectively. It helps to identify defects, improve software quality, and meet customer expectations

Inclusion

➤ Register

- Well organized Menu
- Ability of “First Name”; “Last Name” ; “E-Mail”; “Telephone” , “Password” etc. option to create a new account.
- Should have back option

➤ Log In and Log Out

- Well organized Menu
- Ability of currency choice option
- Ability of “Contact”, “My Account”,” Wish List”, “Shopping Cart”, “Checkout”, “Item” options
- Forgot password link
- Should have page back option

➤ Forgot Password

- Well organized Menu
- Ability of E-Mail address option
- Ability of instruction text on top
- Ability of back and continue bar

➤ Search

- Ability of organized search bar option

➤ Product compare

- Allows the customer to compare the different specifications, features, and price of a number of products s/he might be interested in.

- Should have back option
- Should have Show more/Show less option
- Ability of Add Card and remove option

➤ **Your Store Page**

- Ability of currency choice option
- Ability of “Contact”, “My Account”, “Wish List”, “Shopping Cart”, “Checkout”, “Item” options
- Ability of company logo on top left with clickable link
- Ability to search product
- Ability of category wise organized of every product
- Ability of show all feature
- Should have “Show more/ Show less” features after product description.
- Should have more options for the products.
- Able to click on products.
- Ability of clickable cart sign on the product view.
- Ability of “wish list” and “compare” options with products.
- Able to navigate to OpenCart Homepage.
- Should have next/previous page (page number and next/previous button should be functional).
- Should have slide page number.
- Should show price on each and every products
- Should have scrollbar on product

➤ **Product Details Page**

- Product image: The product image can be displayed under the title on the left-side, along with alternate views of the product underneath it in smaller box. Clicking on the main image will expand the image within the window for the customer to see it in greater detail.
- Product details: The product code, availability, and price are displayed just right to the product image.
- Cart: The customer can select a quantity and add the product to their cart, wish list, or compare.
- Rating/Sharing: Underneath the cart can rate the product and/or share the product on different social media websites.
- Description tab: An area underneath the main product information to provide a detailed description of the product.
- Review tab: An area for the customer to write a review on the product.

➤ **Add To Cart**

➤ **Wish List**

➤ **Shopping Cart**

- **Currencies**
- **Check Out page**
- **My Account Page**
- **Order History**
- **Download Page**
- **Contact Us Page**
- **Menu Option**
- **Footer Option**
- **Category option**

Test Environments

- Operating System:- Mac OS, Any Windows, Also use in Android Device
- Browser:- Chrome, Firefox, Edge, Safari(MacOS) etc.

Exclusions

- Only those feature to be tested that add in the Inclusion
- Any feature that add later .

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

- 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 and send dev. management the defect found on that day in a status end of the day email.
- 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:

- 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 case.
- End to End Flow Testing -we will test the end to end Scenario which involve multiple functionalities to simulates the end user flow.

Defect Logging and Reporting:

- QA will log the defect/bugs in prospective management tool. After this, QA will inform the respective developer about the defect/bugs that has been logged.

Retesting:

- Respective QA will re-testing for fixed bugs after it is resolved by respective developer. Bug/defect status will be updated accordingly. In certain cases, if it's required then regression testing will be done.
- Any Usability issues will be reported.
- After Discovery of a defect, it will be retested to verify reproducibility of the defect. screenshot with step to reproduce are documented.

Note:-

defect will be documented in excel.

Test Scenarios Test case will be document in an excel document.

Role & Responsibilities

Name	Role	Contact Details	Responsibilities
Person 1	Project Manager	Email:- xyz@gmail.com	<ol style="list-style-type: none"> 1. The primary contact for the development and QA team. 2. Participate in Test Scenarios. 3. Participate in Test Cases review. 4. Responsible for Project schedule and the overall success of the project Verify sign Off on Requirements, Test Scenarios, Test Cases.
Person 2	QA Manager	Email:- xyz@gmail.com	Escalations.
Person 3	QA lead	Email:- xyz@gmail.com	<ol style="list-style-type: none"> 1. Participation in the project plan creation/update process. 2. Planning and organization of test process for the release. 3. Coordinate with QA analysts/engineers on any issues/problems encountered during testing. 4. Report progress on work assignments to the Project manager. 5. Monitor quality metrics and performance throughout each testing phase. 6
Person 4	QA Engineer	Email:- xyz@gmail.com	<ol style="list-style-type: none"> 1 understand the features Requirement. 2 Writing and executing Test Cases. 3 Preparing RTM Report. 4 Log in defect and keep tracking. 5 Bug review Meeting. 6 Co-ordinate with qa lead, qa manager for any issues, likes defect handling ,test preparing, and test executing etc.

Task Schedule

Task Name	Start Date	End Date	Done By	Estimation Date
FRS	dd-mm-yyyy	dd-mm-yyyy	BA(name)	dd-mm-yyyy
Test planning	dd-mm-yyyy	dd-mm-yyyy	Test Engineer (Name)	—

Review Requirement Document	dd-mm-yyyy	dd-mm-yyyy	—	—
Test case Creation	dd-mm-yyyy	dd-mm-yyyy	—	—
Test case Execution	dd-mm-yyyy	dd-mm-yyyy	—	—
Summery report Submission	dd-mm-yyyy	dd-mm-yyyy	—	—

Task Deliverable

- Once all bugs/ defect that has been reported after complete testing are fixed, afterwards if no other bugs are found, report will be deployed to test site by PM.
- Once QA are done with the round of testing on test site and if it is required Report will be delivered along with sample output by email to the respective team member.
- QA will hand over the hard copy of delivery documents to the respective developer.

Pricing

NA

Entry and Exit Criteria

- **Entry Criteria**
 - QA resources have completely understood the requirements and complete FRS Document.
 - QA resources have sound knowledge of functionality.
 - Test Scenarios & Test Cases Approved.
 - Test Plan
 - All the necessary documentation, design, and requirements information should be available that will allow testers to operate the system and judge the correct behaviour.
 - Unit Test cases should pass
 - Application Smoke Test Completed (If Applicable).
- **Exit Criteria**
 - Test Cases Execution Completed.
 - A certain level of requirements coverage has been achieved.
 - Outstanding Severity 1 & 2 Defects Completed
 - No high priority is left outstanding.
 - Completion of planed test cases execution
 - UAT Test Evidence Collected
 - Test Closure Memo completed and signed off.

Suspension and Resumption Criteria

- Based on the client decision we will suspend and resume the project.

Tools

Process	Tool
Test Case creation	Microsoft Excel
Test Case Tracking	Microsoft Excel
Test Case Execution	Manual
Test Case Management	Microsoft Excel
Defect Management	Jira
Test Reporting	Microsoft Excel & Jira

Risk Management

Risk and Mitigation

Risk	Mitigation
Non-Availability of a Resource	Backup Resource Planning
Build URL is not working	Resources will work on other tasks
Less time for Testing	Ramp up the resources based on the Client needs dynamically

Approver

- Test plan.
- Test Scenarios.
- Test case.
- Bug/Defect report.

Once the client approve this phases