TEST PLAN

PROJECT NAME - OPENCART

Created by-Rajesh Kumar Dash

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Introduction

The Test Plan outlines the approach, resources, and schedule for testing the Opencart Web application . This document serves as a comprehensive guide to ensure thorough testing of the system's functionality, usability. By defining the testing objectives, scope, testing approach, responsibilities, risk and mitigation plan, this plan aims to validate the software's adherence to specified requirements and its readiness for
deployment.

AUT - https://tutorialsninja.com/demo/index.php?route=common/home

Objective

- To perform through functional and usability testing on the application under test.
- To verify compatibility across various browser
- To evaluate performance and addressing any issue that may arise.

Scope

This test plan only covers the functional testing and usability testing of the Opencart e-commerce web application across different browser.

- Login functionality

Testing approach

1. Testing Types

1. Functional Testing
2. Usability Testing
3. Compatibility Testing

2. Testing Methodologies

1. Black-box testing
2. Exploratory Testing
3. Adhoc testing

3. Testing Environment

1. QA Environment

4. Operating System

2. Windows 11 and above
3. Browsers: Chrome and Brave

Roles And Responsibility

Name	Roles	Responsibilities
Pooja Yadav	Test Manager	5. Monitoring project progress 6. Management of budget 7. Resolve communication issue 8. Access and prioritize tasks
Rajesh Kumar Dash	Test Engineer	9. Understand customer Requirements 10. Write test plan 11. Write test case 12. Write test scenario 13. Write automation scripts 14. Executing test case 15. Prepare bug report and summery report

Test schedule

Following is the test schedule planned for the project.

Task	Time duration
Test plan creation	19 July 2024
Test scenario creation	20 July 2024
Test case creation	20 July 2024
Test case execution	21 July 2024
Bug report creation	21 July 2024
Summary report submission	22 July 2024

The following are to be delivered to the client.

Deliverables	Description	Responsible owner	Target completion date
Test plan	Outlines the testing strategy, approach, scope for the project	Rajesh Kumar Dash	20 July 2024
Test Scenario	Test scenario created for all the mentioned objectives	Rajesh Kumar Dash	21 July 2024
Test cases	Test cases created for both functional testing and usability testing	Rajesh Kumar Dash	21 July 2024
Bug report	Detailed description of the defects identified in the application	Rajesh Kumar Dash	22 July 2024
Summary report	Detailed overview of all the test cases conducted, along with the suggestion for improvement	Rajesh Kumar Dash	22 July 2024

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:

Receive the requirement documents of the projects includes what function need to be tested and how the software should behave.

❖ **Exit Criteria:**

Tester should thoroughly explore and understand each requirement listed in the document. Any doubts and uncertainties regarding the requirement should be clarified.

Test planning

❖ **Entry Criteria:**

Testable requirements derived from the documents. Test plan documents should include test strategy, which provide a high level overview of how testing will be conducted.

❖ **Exit Criteria:**

Test plan is approved by the client.

Test designing

❖ **Entry Criteria:**

Test plan documents should be reviewed and approved by the client.

❖ **Exit Criteria:**

Test scenario and test cases are prepared by the test engineers and it should be reviewed and approved by the client.

Test execution

❖ **Entry Criteria:**

Test scenario and test casas are prepared and the same has been approved by the client.

❖ **Exit Criteria:**

Test case reports and defects reports are prepared.

Test closure

❖ **Entry Criteria:**

Test case reports and defects reports are prepared.

❖ Exit Criteria:

Summery reports has been prepared which overview the entire testing projects.

Tools

The following are the list of tools we are using in this project.

- X mind map tool
- Microsoft word
- Microsoft excel
- Slack for collaboration
- GitHub

Risk And Mitigation Plans

The following are the possible risks and the way to tackle them.

Risk	Mitigation Plan
Lack of knowledge on AUT	Subject matter expert will be available to guide understanding of the AUT.
Insufficient time for testing activities	Risk based testing is adapted.

Approvals

Below are the documents required for client approval.

- Test plan

- Test scenario
- Test cases
- Summary reports

Testing will be continue to the next step once this approvals are done.

Mind Map