



TEST PLAN

Project Name: OpenCart

Qafox.com

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Introduction

This document aims to overview the testing approach, strategies, and scope for Qafox.com. This document includes project scope, objectives, test schedule and resource allocations, test deliverables, and reports.

AUT: <https://tutorialsninja.com/demo/>

Objective

To evaluate the functionality, performance, and usability of the given feature of the OpenCart demo e-commerce website.

Scope

This test plan covers only functional testing and usability testing of Qafox.com across different browsers.

Testable Features

- Address Book

Testing Approach

➤ Testing Types

- Functional Testing
- Usability Testing

➤ Testing Methodologies

- Black-box Testing
- Regression Testing
- User Acceptance Testing (UAT)

➤ **Testing Environment**

- UAT
- Pro-Prod

➤ **Operating System**

- Windows 11
- Browsers: Chrome, Firefox
- Testing Tools: [selenium, cypress, Microsoft, x-mind]

Roles/Responsibilities

Name	Role	Responsibility
Shiva Kumar	Test Manager	<ul style="list-style-type: none"> ➔ Manage budget and resources. ➔ Allocating additional support resources ➔ Assess and prioritize project risks/tasks. ➔ Monitoring project progress. ➔ Resolve communication issues and ➔ conflicts effectively.
Shubham Shrivastava	Test Engineer	<ul style="list-style-type: none"> ➔ Understand customer requirements ➔ Write test plan ➔ Write Test scenarios & Test cases ➔ Executing the Test cases ➔ Executing the test case on Cypress ➔ Performing root cause analysis to identify underlying issues. ➔ Defect tracking and reporting. ➔ Making Mind Map.

Test Schedule

Following is the test schedule planned for the project

Task	Time Duration
Test Plan creation	17/07/2024
Test Scenario Creation	17/07/2024
Test Case Creation	17/07/2024
Test Case Execution	18/07/2024
Summary Report Submission	18/07/2024

Test Deliverables

The following are to be delivered to the client:

Deliverables	Description	Responsible Owner	Target Completion Date
Test Plan	Outlines the testing approach, strategies, and scope for the Qafox.com application.	Masai	17 July 2024
Test Cases	Test Cases created for both functional testing and usability testing	Masai	17 July 2024
Defect Reports	Detailed description of the defects identified in different versions of the application.	Masai	18 July 2024

Entry & Exit Criteria

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 and uses the documents of the project includes what functions need to be tested and how the software should behave.

➤ **Exit Criteria:**

The testing team should thoroughly explore and understand each requirement listed in the documents. Any doubts or uncertainties regarding the requirements should be addressed and clarified to ensure that the testing team has a clear understanding of what needs to be tested and how it should behave.

Test Planning

➤ **Entry Criteria:**

Testable Requirements derived from the given Requirements documents. Test Plan document includes the Test Strategy, which provides a high-level overview of how testing will be conducted.

➤ **Exit Criteria:**

The test plan is signed off by the Client (Qafox.com)

Test Designing

➤ **Entry Criteria:**

The Test Plan document needs to be reviewed and approved by the client and then Test Plan Document is signed off by the Client.

➤ **Exit Criteria:**

Test Scenarios and Test Cases Documents are prepared, they need to be reviewed and signed off by the Client.

Test Execution

➤ **Entry Criteria:**

Test Scenarios and Test Cases document needs to be reviewed and approved by the client and documents are signed off by the Client. The application is ready for further Testing.

➤ **Exit Criteria:**

Test Case Reports and defect Reports are ready.

Test Closure

➤ **Entry Criteria:**

Test Case Reports and defect Reports are ready

➤ **Exit Criteria:**

Test Summary Reports, it overviews of the entire testing process

Tools

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

- X mind map tool
- Jira - Project management tool
- Cypress - Web Automation
- Slack - Collaboration
- Selenium - Web Automation

Risks and Mitigation Plans

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

Risk	Mitigation plans
Lack of Automation Testers	Backup Resource Planning
No detailed Requirements are available	Subject matter experts available for deep understanding of functionalities

Approvals

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

- Test Plan
- Test Scenarios
- Reports

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

