

TEST PLAN

Product Name: Open Cart

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Introduction

The aim of this document is to give an overview of the testing approach, strategies, and scope for the opencart web application. This document includes details like scope of the project, objectives, test schedule and resource allocations, test deliverables and reports.

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

Objectives

- Ensure the functionality of key features such as product search, add to cart, checkout, and account management.
- Confirm compatibility across different browsers.
- Validate the usability of the website for a seamless user experience.
- Ensure the security of the website to protect user data and transactions.
- Verify the performance of the site, including load times and responsiveness

Scope

This test plan covers functional testing and non functional testing of the opencart web application across different browsers.

Testable features:

- Register
- Login
- Logout
- Forgot Password
- Search

- Category Pages
- 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 Options
- Footer links

Testing Approach:

➤ Testing Types

- Functional Testing
- Non-functional Testing
 - ➔ Compatibility Testing
 - ➔ UI/UX Testing
 - ➔ Usability Testing
 - ➔ Performance Testing

➤ Testing Methodologies

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

➤ **Testing Environment**

- Windows 11 and above
- Browsers: Chrome, Brave and Edge

Roles/Responsibilities

Name	Role	Responsibilities
Pooja yadav	Test Manager	<ul style="list-style-type: none">✓ Manage budget and resources.✓ Allocating additional support resources.✓ Assess and prioritise project risks/tasks.✓ Monitoring project progress.✓ Resolve communication issues and conflicts effectively.
Geethika	Test Lead	<ul style="list-style-type: none">✓ Develop test plans and strategies in alignment with project objectives and requirements.✓ Assign tasks, set priorities, and provide and support to team members.✓ Review test results and provide feedback to team members.✓ Monitor and manage risks throughout the testing life cycle.

Jagadish	Test Engineer	<ul style="list-style-type: none"> ✓ Understand customer requirements ✓ Defect tracking and reporting. ✓ Configuring and Setting up a test environment. ✓ Management of Automation tools. ✓ Executing Regression Test cases. ✓ File Closure activity.
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Test Schedule

Task	Time Duration
Test Plan creation	02 oct 2024
Test Scenario creation	02 oct 2024
Test case creation	03 oct 2024
Test case Execution	03 oct 2024
Summary Report Submission	04 oct 2024

Following is the test schedule planned for the project.

Test Deliverables

The following are to be delivered to the client:

Deliverables	Description	Target Completion Date
Test Plan	Outlines the testing approach, strategies, and scope for the opencart web application.	02 oct 2024
Test Cases	Test Cases created for both functional testing and Non functional testing	03 oct 2024
Defect Reports	Detailed description of the defects identified in the application.	04 oct 2024

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

Tools

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

- Snipping Screenshot Tool
- Word and Excel documents

Risks and Mitigations

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

Risk: Non-Availability of a 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 based on the Client needs 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