

Test Plan

Product Name: Opencart

Tables of Contents

- **Overview**
- **Scope**
- **Test Strategy**
- **Test Deliverables**
- **Test Schedule**
- **Roles / Responsibilities**
- **Test Environment**
- **Execution Approach**
- **Entry Criteria**
- **Exit Criteria**
- **Risks and Mitigations**
- **Suspension and Resumption Criteria**
- **Resources / Tools**
- **Reporting**
- **Approval and Sign-Off**

1. Overview

This test plan outlines the testing strategy for validating the current functionalities of the Opencart website (<https://demo.opencart.com/>). The objective is to ensure that all core features are working correctly, with a focus on user experience, functionality, and cross-browser compatibility.

2. Scope

2.1 In-Scope

- Register Page
- Login & Logout Functionality
- My Account Page
- Wish List Page
- Home Page
- Product Compare
- Product Page
- Subscription Page
- Brands Page
- Newsletter Page
- Adding items to the cart
- Adding items to wish list
- Shopping Cart
- Currencies
- Checkout Page
- Order History Page
- Downloads Page
- Contact Us Page
- Footer Options
- Category Pages
- Menu Options
- Search

2.2 Out-Scope

- Password Reset Functionality
- Third-Party Integration Like Logins and Payment Gateways
- Discount / Coupon Functionality
- Load and Stress Testing

3.Test Strategy

3.1 Test Techniques

- White box
- Black box
- Exploratory testing

3.2 Test Type

- Smoke testing
- Sanity testing
- Regression testing
- Retesting
- Usability testing

3.3 Test Level

- Integration testing
- System testing
- Acceptance Testing

4. Test Environment

- Windows 10 Chrome

5. Test Schedule

- **5days:** Test Planning & Test Case Design
- **1day:** Test Environment Setup
- **3days:** Manual Test Execution
- **3days:** Automated Script Development
- **1day:** Regression Test Execution
- **Ongoing:** Defect Fixes and Retesting
- **1day:** Test Closure and Reporting

6.Test Deliverables

Deliverables	Description	Target Completion Date
Test Planning & Test Case Design	Details on the scope of the Project, test strategy, test schedule, resource requirements, test deliverables and schedule	7-10-2024
Regression Test Execution	Execution of regression test cases to ensure existing functionality is not impacted by new changes	10-10-2024
Manual Test Execution	Execution of test cases manually to validate system behavior	.17-10-2024
Automated Script Development	Development and execution of automated test scripts to improve efficiency and test coverage	.22-10-2024
Test Closure and Reporting	Finalization of testing activities, generation of test reports, and closure of test artifacts	24-10-2024

7.Test Execution Approach

- Execute all manual test scenarios and test cases to verify the core functionalities of all features.
- Run tests on Chrome and Firefox to ensure cross-browser consistency.
- Use Selenium to automate all features functionalities.

8.Entry Criteria

- Functional test scenario and test cases for all features are reviewed and approved by the QA team.
- Test environment and test data are set up and ready.
- Test case reports, defect reports are ready

9.Exit Criteria

- All test scenarios and test cases for all features have been executed.
- No critical defects remain open, and all critical bugs are resolved.
- Automated regression tests for all features are executed successfully.
- Cross-browser testing is completed with no major issues.
- Test summary reports

10.Risk and Mitigation

- **Risk:** High Rate of Bugs
 - **Mitigation:** Prioritize defects based on severity and impact. Use risk-based testing to focus on critical areas first.
- **Risk:** Limited time for full test coverage
 - **Mitigation:** Prioritize testing critical functionalities first
- **Risk:** Test data issues (e.g., corrupted or incomplete data)
 - **Mitigation:** Prepare and validate test data before testing begins, and maintain a backup set of test data to avoid delays
- **Risk:** Delayed automation script development
 - **Mitigation:** Focus on manual testing of critical areas while automation scripts are developed, ensuring that key functionalities are covered manually.

11. Suspension and Resumption Criteria

11.1 Suspension Criteria

- Testing will be suspended if critical defects block further testing (e.g., login, registration, or forgot password functionality failure).
- If the test environment becomes unstable or inaccessible, testing will be suspended.

11.2 Resumption Criteria

- Testing will resume once the blocking defects are fixed and verified.
- Testing will resume when the test environment is stable and accessible.

12. Test Resources

- Jira bug tracking tool
- Snipping screenshot tool
- Word and excel documents
- Selenium automation tool

13. Test Reports

- Daily Status Reports
- Defect Reports
- Final Test Report

14. Approval

- Test plan
- Test scenarios
- Test cases