TEST PLAN

PRODUCT NAME: OpenCart

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Resources: https://www.youtube.com/@sdetpavan and https://demo.opencart.com/

Disclaimer:

Please note that the usage of the OpenCart demo site mentioned in this context is solely for testing and educational purposes. The intention is to gain hands-on experience and knowledge in understanding the features and functionalities of OpenCart.

It is important to emphasize that any actions performed on the demo site should not be considered as actual transactions or conducted with real intent. The demo site is not meant for commercial purposes, and any data provided or modifications made should be considered temporary and non-binding.

The information and insights obtained from using the OpenCart demo site are intended for personal educational growth and skill development in the context of software testing. OpenCart and its developers hold no responsibility for any consequences arising from the usage or interpretation of the demo site beyond its intended purpose.

By utilizing the OpenCart demo site for testing and educational purposes, I acknowledge and agree to the aforementioned disclaimer.

Introduction

Purpose: The purpose of this test plan is to ensure the quality and functionality of the demo site demo.opencart.com.
Scope: This test plan covers the testing of core features and functionality of the demo site.
Objectives: The main objectives of this test plan are to identify and address any defects, verify the site's usability, and validate its performance.

Test Strategy

Test Approach: The testing will be performed using manual testing techniques. The primary focus will be on functional testing to ensure that all features and functionalities of the OpenCart demo site are working as expected.
For Functional Testing, our approach involves the following steps:

1. Creation of Test Scenarios and Test Cases for the different features within the scope.
    - We utilize various Test Designing techniques such as Equivalence Class Partition, Boundary Value Analysis, Decision Table Testing, State Transition Testing, and Use Case Testing.
    - Additionally, we apply our expertise in creating Test Cases by incorporating Error Guessing and Exploratory Testing methodologies.
2. We prioritize the Test Cases based on their importance and impact.

Upon receiving an Application for Testing, our Testing process involves the following steps:

1. Initially, we conduct Smoke Testing to verify the functionality of important features within the application.
2. In case the Smoke Testing fails, indicating instability, we reject the build and await a stable version before proceeding with in-depth testing of the application's functionalities.
3. Once we have a stable build that passes the Smoke Testing, we proceed with thorough testing using the Test Cases prepared.
4. We report any discovered bugs in the bug tracking tool and provide a daily status update email to the development management, detailing the defects found during the day.
5. We perform various types of Testing, including Smoke Testing, Sanity Testing, Regression Testing, Retesting, Usability Testing, Functionality Testing, and UI Testing.
6. We repeat the Test Cycles iteratively until we achieve a high-quality product.

Test Environment: The test environment will be set up to replicate the production environment as closely as possible. It will include the following components:

- ***Browsers***: The latest versions of popular browsers such as Chrome, Firefox, Safari, and Edge will be used for compatibility testing.
- ***Operating Systems***: The test environment will include Windows, macOS, and Linux operating systems to cover a wide range of user platforms.

- ***Devices***: Testing will be performed on various devices, including desktops, laptops, tablets, and mobile phones, to ensure responsiveness and compatibility across different screen sizes.
- Network: The test environment will include different network conditions to simulate real-world scenarios, including high-speed connections, low bandwidth, and intermittent connectivity.

Test Data: Test data will be created specifically for testing purposes and will not impact the production environment.

Functional areas that are included in the scope:

- Registration
- Login & Logout
- Forgot Password option
- Search
- Product Compare
- Product Display Page
- Add to Cart function
- Wish List
- Shopping Cart
- Currencies
- Home Page
- Checkout Page
- My Account Page
- Order History Page
- Downloads Page
- Contact Us Page
- Menu Options
- Footer Options
- Category Pages

Exclusions:

- Any third-party features or Payment gateways
- Test Automation

Defect Reporting Procedure

Any instances where the application deviates from the expected behavior will be carefully noted. If it cannot be reported as a defect, it will be documented as an observation or issue, or presented as a question for further clarification.
Once a defect is discovered, it will be retested to ensure its reproducibility. Detailed documentation, including screenshots/videos and step-by-step instructions to reproduce the defect, will be recorded for accurate reporting.

Categorize the defect based on its severity and priority. Severity refers to the impact on the system, while priority indicates its urgency for fixing.
Use a predefined severity scale (e.g., critical, high, medium, low) and priority scale (e.g., immediate, high, medium, low) to assign appropriate values.

Defects will be documented using an Excel spreadsheet, ensuring structured recording and easy tracking.
Test scenarios and test cases will also be documented in a separate Excel document, ensuring a clear understanding of the planned and executed tests.

Roles/Responsibilities

Not applicable

Test Schedule

Here is the planned test schedule for the project:

1. **Creating Test Plan**: Time Duration: Start Date to End Date
2. **Test Case Creation**: Time Duration: Start Date to End Date
3. **Test Case Execution**: Time Duration: Start Date to End Date
4. **Summary Reports Submission**: Date

Test Deliverables

These test deliverables will be created and maintained throughout the testing process, ensuring transparency, facilitating collaboration, and serving as valuable assets for project management, quality assurance, and stakeholder communication. The format, structure, and templates for these deliverables will be tailored to suit the specific needs and expectations of the project.

1. Test Plan - Details on the scope of the Project, test strategy, test schedule, resource requirements, test deliverables, and schedule
2.