Site [Opencart](http://opencart.qatestlab.net/)

Test Plan

Version 1.0

Revision history

|  |  |  |  |
| --- | --- | --- | --- |
| Date | Version | Description | Authors |
| 8/02/2022 | 1.0 | Creating | Peter Kanyi |

Contents

[**1.** **Introduction** 3](#_Toc95284241)

[***1.1*** ***Purpose*** 3](#_Toc95284242)

[***1.2*** ***Source data*** 3](#_Toc95284243)

[***1.3*** ***Scope*** 3](#_Toc95284244)

[**2.** **Condition for testing** 3](#_Toc95284245)

[**3.** **Testing strategy** 3](#_Toc95284246)

[***3.1*** ***Testing types*** 4](#_Toc95284247)

[*3.1.1* *Functional testing* 4](#_Toc95284248)

[*3.1.2* *Layout testing* 5](#_Toc95284249)

[*3.1.3* *Cross-browser testing* 5](#_Toc95284250)

[3.1.4 *Regression testing* 6](#_Toc95284251)

[**4.** **Testing schedule** 6](#_Toc95284252)

[**5.** **Results** 6](#_Toc95284253)

[***5.1*** ***Resume*** 6](#_Toc95284254)

# **Introduction**

## ***Purpose***

The primary purpose of this test plan is to provide a detailed description of the testing process of Opencart (<http://opencart.qatestlab.net/>). This paper provides the reader with an outline of the planned work on project testing.

## ***Source data***

The data will be obtained from Opencart – an online shopping website that allows users to select and buy pet products, including food, accessories, supplements, etc. The website features images of the pet products and links/buttons to purchase them.

## ***Scope***

The scope defines the features, functional and non-functional requirements of the Opencart website. The test on the Opencart website will check its operability on different version of browsers.

Here a few materials expected to be the results of the testing process:

* A report providing product managers and developers with the website’s correct operation in different browsers
* A report of the results of testing the current coverage, browsers/typical use cases.
* Documented bugs in the bug tracker

Tests on the Opencart site will be conducted manually through ad-hoc testing method.

# **Condition for testing**

The website should meet the users’ needs for activities involving viewing and ordering pet products.

# **Testing strategy**

Understanding the current state of the project is key to creating a detailed test plan. The test will be carried out in iterations, to allow for changes and improvements of the original test plan.

This strategy will make it possible to have a detailed report on the product being tested, focusing maximum attention on all possible bugs. The client will be provided with daily reports on the progress of testing, bugs found, suggestions for enhancing the site and its design. All bugs will be reported to the client’s tracker as separate tickets for subsequent correction.

Ad-hoc testing will be used to test the Opencart website mainly because there won’t be strict specifications and due to limited resources for the formalization of tests.

The testing process will be subdivided into five main stages, as outlined below:

1. Analyzing the technical requirement, developing a test plan, and running the functional tests partially
2. Running of the functional tests with the detection and description of bugs
3. Cross-browser tests will be conducted with the found bugs described.
4. Checking bugs carried out by the developers and carry out regression testing
5. Testing the product design with a description of the bugs found.

The strategy will, thus, allow for detailed description of the testing depth, helping determine the resources used more accurately and allowing developers to fix bugs at the earliest stages.

Operating systems approved for testing

* Windows 8, 10, 11
* Linux

Browsers approved for testing:

* Chrome 97
* Opera 83
* Firefox 96
* Chromium
* Microsoft edge 97
* Safari 15

Security testing, volume testing, integration testing, and stress testing are not carried out due to inadequate testing time.

## ***Testing types***

### *Functional testing*

This will identify the functional errors, inconsistences with the requirements and expectations of the user through implementation of standard and non-trivial test scenarios.

Here are a few areas that will be tested:

1. Cart

* Add product
* Delete product
* Quantity
* Total
* Proceed to checkout
* Continue shopping
* Shopping cart update

1. Search

* Search filters
* Search result page

1. Registration / authorization

* Empty fields
* User registration
* User authorization
* Password recovery
* Valid/invalid data

1. Profile

* Account deletion
* Profile editing

1. Newsletter subscription

* First time subscription
* Empty fields
* Subscription with existing email

1. Product detail page

* Correct dis

### *Layout testing*

Tests to verify the product design compliance with the specification will be conducted. The primary areas of focus will be the site pages, header, footer, content area, registration form, personal accounts, etc.

For instance, does the product details page have correct display of products?

### *Cross-browser testing*

This section will check the correct operation and design of the website in different browsers, including:

* Chrome 97
* Opera 83
* Firefox 96
* Chromium
* Microsoft edge 97
* Safari 15

### *Regression testing*

After patches are made to the product, testing will be conducted to ensure the new version matches the client specifications. The following tests will be carried out during regressions testing:

* Verification testing
* Version testing
* Functionality testing

# **Testing schedule**

|  |  |  |  |
| --- | --- | --- | --- |
| Task | Workload | Start Date | End Date |
| Making a test plan | 6 hours | 8/2/2022 | 12/2/2022 |
| Test execution |  |  |  |
| Test analysis |  |  |  |
| Summarizing |  |  |  |

# **Results**

## ***Resume***

The results of the testing should be a complete summary of the testing process with clearly outlined and detailed bugs and recommendations for improvement of the product from the perspective of the end user.