Site: Opencart.qatestlab
Test-plan
Version 1.0

Revision history

Date	Version	Description	Author
21.11.2023	1.0	Creating	Khrystyna Tarnavchyk

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1. Introduction

1.1 Purpose

The purpose of this test plan is to describe the testing process of opencart.qatestlab.net/ site (full URL http://opencart.qatestlab.net/. The document allows to get an idea of the planned work on project testing.

1.2 Source data

opencart.qatestlab.net/ – is a website that was created to sell products, accessories and many other things you need in the care of your pets.

1.3 Scope

The purpose of testing the opencart.qatestlab.net/ site is to check the correct operation of all its functions on different versions of browsers with typical use cases. A fraction of the time (20%) will be used to test atypical / potentially error-prone usage scenarios.

The result of the testing process will be the following materials:

▪ report of the testing team regarding the general state, giving the developers and managers of this product a picture of the site's correct operation in various browsers;

▪ report of the results of testing the current coverage, typical use cases/browsers;

▪ documented bugs in the bug tracker of the customer;

Testing will be done manually, by the ad-hoc testing method from the perspective of the end user of the site.

2. Conditions for testing

The website should satisfy the user's need for activities related to registration, purchase of animal care products, product cards with product descriptions and all necessary information, and revalent articles with useful information for animal owners.

3. Testing strategy

The following test plan is formal, as understanding of the current state of the project is needed to build a detailed plan. As a result of the first run of functional tests, changes and improvements will be made to the test plan. The first run of the functional tests will give a clear idea of the level of stability of the system and the set of tests that will be performed in each configuration will be clearly defined.

This approach will give an opportunity to get a detailed report on the product being tested and to focus maximum attention on narrow places.

The customer will be provided with daily reports on the progress of testing, defects found, and suggestions for improving the work of the product and its design. All detected defects will be reported to the customer's tracker as separate tickets for subsequent correction.

In the process of testing the opencart.qatestlab.net/ site ad-hoc testing will be applied due to the lack of strict specification, as well as due to limited resources for the formalization of tests.

Five stages of the testing process are planned:

▪ the first stage is to analyze the technical requirements, develop a test plan, and run the functional tests partially;

▪ second stage will be devoted to a detailed run of the functional tests with the detection and description of defects;

▪ at the third stage, cross-browser compatibility testing will be performed with a description of the defects found;

▪ the fourth stage is to check the bugs fixed by the developers and conduct regression testing;

▪ the fifth stage is to test the product design with a description of the defects found.

Thus, maximum detailing of the testing depth is achieved, which, in turn, allows to determine the spent resources more accurately, as well as allows project developers to correct defects at the earliest stages.

OS, approved for testing:

- Windows 10

Browsers, approved for testing:

- Google Chrome 119.0.6045.124

- Opera One 104.0.4944.54

- Mozilla Firefox 119.0.1

The security testing and the stress testing are not conducted due to lack of testing time.

3.1 Testing types

3.1.1 Functional testing

Objective:

Identify functional errors, inconsistencies with the requirements and expectations of the user through the implementation of standard as well as non-trivial test scenarios.

Process description:

Registration / Authorization

- User registration

- User authorization

- Password recovery

Profile

- Profile editing

- Deletion of the account

- User status view function

- Cancellation/confirmation of the subscription

- User logout from the personal account

Feedback form

- Sending a message

- Rating the product

Search

- Search by names, categories

Filters

- Applying filters
- Sorting by
    - Name
    - Price
    - Size
    - Model

Articles

- Commenting on the article

Catalog

- Comparing the product
- Quick to view
- Add to wish list

Product page

- Description of the product
- Scrolling the photos of product
- Zoom function
- Selecting the available options (color/size)
- Writing a review
- Add to wishlist
- Add to cart
- Comparing the product

Cart:

- Adding the product
- Deleting the product
- Quantity change (update and remove)

Ordering

- Delivery

- Payment

- Confirm

3.1.2 Cross-browser testing

Objective:

Check the correct operation and design of the project in various browsers.

Browsers

- Google Chrome 119.0.6045.124

- Opera One 104.0.4944.54

- Mozilla Firefox 119.0.1

3.1.3 Regression testing and verification of fixed defects

Objective:

Checking the changes made on the site in order to make sure that the new version does not contain errors in the already tested parts of the site.

In the course of regression testing, the following types of tests will be conducted:

- Verification Tests

- Version testing

- Testing related functionality

3.1.4 Testing the design

Objective:

Verification of product design compliance with specifications

Process description:

- Registration form

- Personal account

- Site pages

4. Testing schedule

Task	Workload	Start date	Expiration date
Making a test plan	5 hours	21.11.2023	21.11.2023
Test execution			
Test Analysis			
Summarizing			

5. Final results

5.1 Resume

The final result of the testing should be the complete summary consequence of testing process with the described defects and recommendations for the improvement of the product from the perspective of the end user.