**Website** [**Best Friends**](http://opencart.qatestlab.net/)

**Test Plan**

**Version 1.0**

**Revision history**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| 14.09.21 | 1.0 | Updating | Dmytro Zubenko |
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# 1. Introduction

# 1.1 Purpose

The purpose of this test plan is to describe the testing process of the Best Friends 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

Best Friends – is a site that allows users to buy products for their pets and leave reviews on the products.

# 1.3 Scope

The purpose of testing the Best Friends website 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 purchasing products, leaving reviews, filtering/sorting products and ordering company services.

# 3. Testing strategy

The following test plan is formal, as an 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 allow getting a detailed report on the product being tested and focusing maximum attention on narrow places.

The customer will be provided with daily reports on the progress of testing and defects found, as 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 Best Friends website, ad-hoc testing will be applied due to the lack of strict specifications and 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;
* the 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
* MAC OS 10.14 Mojave

**Browsers, approved for testing:**

* Google Chrome 93.0.4577.82
* Opera 78.0.4093.184
* Firefox 92.0
* Microsoft Edge 93.0.961.47
* Safari 12

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

# 3.1 Testing types

# 3.1.1 Functional testing

**Objective:**

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

**Webpage components testing -** It is necessary to pay special attention to testing the web store’s functionality. In particular, among the priorities is **filtering products by type**, and **sorting by characteristics**. It is also important to pay attention to such functions as the **Basket functionality** and **order-making**. Check the functionality of the functional buttons on the **product page**.

**Process description:**

**Registration / Authorization**

* User registration
* User authorization
* Password recovery

**Profile**

* Profile Editing
* Deletion of the account
* Cancellation / confirmation of purchase
* User logout from a personal account

**Feedback form**

* Attaching a file to a review

**Search**

* Search by title of the product
* Filtering the products
* Sorting products
* Searching in the catalogue

**Purchasing**

* Adding products to the cart
* Ordering a purchase

**Attaching the Photo**

* Sharing of photos in reviews

# 3.1.2 Cross-browser testing

**Objective:**

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

**Browsers**

* Google Chrome 93.0.4577.82
* Opera 78.0.4093.184
* Firefox 92.0
* Microsoft Edge 93.0.961.47
* Safari 12

# 3.1.3 Regression testing and verification of fixed defects

**Objective:**

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

In the case 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 | 2 hours | 14.09.2021 | 15.09.2021 |
| Test execution | 3 hours | 16.09.2021 | 16.09.2021 |
| Test Analysis | 1 hour | 16.09.2021 | 16.09.2021 |
| Summarizing | 2 hours | 17.09.2021 | 17.09.2021 |

# 5. Final results

# 5.1 Resume

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