SITE [BEST FRIENDS](http://opencart.qatestlab.net/index.php?route=common/home)

TEST PLAN

VERSION 1.0

| Site Best Friends | Version 1.0 |
| --- | --- |
| Test Plan | Date: 14.08.2023 |

**Revision History**

| **Date** | **Version** | **Description** | **Author** |
| --- | --- | --- | --- |
| 14.08.2023 | 1.0 | Creating | Anastasiia Kuznietsova |
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1. **Introduction**

**1.1 Purpose**

The purpose of this test plan is to describe the testing process of Best Friend site (full URL <http://opencart.qatestlab.net/index.php?route=common/home>). The document allows to get an idea of the planned work on project testing

**1.2 Source data**

Best Friends - a site that allows the user to get acquainted with products for pets, make orders, learn more about sales and special offers, to create a wishlist, compare different items, to learn more interesting facts from the articles in the block.

**1.3 Scope**

The purpose of testing the Best Friends site is to check the correct operations 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-phone usage scenarios.

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

* documented bugs in the Mantis bug tracker.

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

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**Conditions for testing**

The website should satisfy the user’s need for activities related to viewing product information, familiarization with sales and special offers, ordering products.

**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.

All detected defects will be reported to the Mantis tracker as separate tickets for subsequent correction.

In the process of testing the Best Friends 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.

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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:**

* MAC OS 13.4 Ventura

**Browsers, approved for testing:**

* Opera 101.0.4843.33
* Google Chrome 115.0.5790.170
* Firefox 116.0.2

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
* Anonymous login
* Password recovery

**Profile**

* Editing account information
* Changing the password
* Editing of address
* Creating the «Wishlist»
* User logout from personal account

**Newsletter**

* Subscribing with email

**Orders**

* Creating the payment account
* Order confirmation
* Order history

**Localization**

* Translation of the content
* Changing the currency

**Shop cart**

* Adding products to the cart
* Deleting products from the cart
* Changing the QTY of products
* Total sum of the order
* Entering the coupon code

**Search**

* Search by keywords
* Filtering the results by categories

**Product pages**

* Filtering the content
* Sorting the content
* Checking the correspondence of photo to the description
* Adding product to wishlist
* Comparing the products
* Checking the links with 404 errors
* Alignment of the blocks
* Checking the “Quick view” option
* Changing the available options

**Feedback**

* Rating the product
* Leaving the review

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**3.1.2 Cross-browser testing**

**Objective:**

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

**Browsers**

* Opera 101.0.4843.33
* Google Chrome 115.0.5790.170
* Firefox 116.0.23.1.3

**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
* Letter to the user
* Personal account
* Site pages
* Validation messages

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**4. Testing Schedule**

| **Task** | **Workload** | **Start date** | **Expiration date** |
| --- | --- | --- | --- |
| Making a test plan | 6 hours | 14.08.2023 | 01.09.2023 |
| 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.