Site „Best Friends “

Test Plan

Version 1

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1. **Introduction**
   1. **Purpose**

The purpose of this test plan is to describe the testing process of “Best Friend: site (full URL <http://opencart.qatestlab.net/> ). The document allows to get an idea of the planes work on project testing.

* 1. **Source data**

“Best Friend” – a site that allows user to view animals care product, create the personal account and buy animal care products, view related articles in the site blog.

**1.3 Scope**

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

The purpose 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, the documentation review and ad-hoc testing method from the perspective of the end user of the site.

1. **Conditions for testing**

The website should satisfy requirements and the user’s need for activities relates to view animals care product, creating the personal account, buy animal care products, viewing related articles in the site blog.

1. **Testing strategy**

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, 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” 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 11x64

**Browsers, approved for testing:**

* Google Chrome (119.0.6045.200)
* Firefox (120.0 64 bit)
* Opera (105.0.4970.34)

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

* 1. **Testing types**
     1. **Documentation review**

**Objective:**

Identify development requirement of the “Best Friend” site.

**3.1.2 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:**

**Product catalogue:**

* Drop-down categories for every product catalogue
* “Sort by” functionality
* “Refine Search” in product catalogue.

**E-shop items:**

* Product photo
* Product description
* Add product to the Cart
* Full Cart view
* Delete product from the Cart
* Change product quantity
* Total price validation
* Buy the product in the cart
* Add product to “My Wish list” from product page/from the Cart
* Delete product from “My Wish list”

**Registration / Authorization**

* User registration
* Valid registration data
* User authorization

**Profile**

* Profile editing
* Cancellation / confirmation of the subscription
* User logout from personal account

**Search**

* Search by product categories
* Search by product filters

**Articles**

* Relevant articles in the Site blog.

**Special offer/banners**

* Relevant items according to offer/banner
* Relevant prices according to offer/banners

**Page header:**

* Language change
* Currency change
* “My Wish list” availability
* “Sing in” availability

**Page footer**

* Newsletter subscribe
* Main page information
  + 1. **Cross-browser testing**

**Objective:**

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

**Browsers:**

* Google Chrome (119.0.6045.200)
* Firefox (120.0 64 bit)
* Opera (105.0.4970.34)

### **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

### **Testing the design**

**Objective:**

Verification of product design compliance with specifications

**Process description:**

* Registration form
* Personal account
* Site pages

1. **Testing schedule**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task** | **Workload** | **Start date** | **Expiration date** |
| Making a test plan | 1 business day | 11.12.2023 | 12.12.2023 |
| Documentation review | 1 business day | 12.12.2023 | 13.12.2023 |
| Functional testing | 8 business days | 13.12.2023 | 22.12.2023 |
| Summarizing | 1 business day | 27.12.2023 | 28.12.2023 |

# Final results

## 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.