

BEST FRIENDS

Site BestFriends

Test Plan

Version 2.1

Site BestFriends	Version: 2.1
Test Plan	Date: 04.10.22

Revision history

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1. Introduction

1.1 Purpose

The purpose of this test plan is to describe the testing process of BestFriends pet online store (full URL <http://>). The document allows to get an idea of the planned work on project testing.

1.2 Source data

BestFriends – an online pet store with the blog that offers various range of premium quality products: from food, accessories, toys to pet beds at great prices. The store's blog represents many useful and interesting articles on pet's health, safety, tips, care, behavior, training.

1.3 Scope

The purpose of testing the BestFriends 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.

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2. Conditions for testing

The online pet store should satisfy the user's need for activities related to viewing products, reading and commenting blog articles and ordering products.

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, 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 BestFriend online store 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:

- Windows 10

Browsers, approved for testing:

- Google Chrome 106
- Firefox 104
- Microsoft Edge 105

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.

Sign In

- New customer registration
- Returning customer sign in
- Password recovery

Account

- Registration
- Edit of account information
- Change password
- Order history
- Downloads
- Transactions
- Payment profile
- Registration for an affiliate account

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Search

Search by categories, keywords

Product Categories Pages

- Refine search by color,
- Sort products by name, price, rating, model

Product Detail Pages

- Check product images
- Quick view function
- Add to wish list
- Add to cart function
- Product specification and description
- Write a review

Shopping Cart

- Remove products from cart
- Check VAT and Total costs add up correctly

Checkout Process

- Proceed to checkout as registered/new customer
- Use coupon code
- Use gift certificate
- Check final amount to pay with all charges/taxes

Product Returns form

- Filling the order history and product information

Blog

- Photo display function
- Adding a comment
- Reply to a comment

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3.1.2 Cross-browser testing

Objective:

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

Browsers

- Google Chrome 106
- Firefox 104
- Microsoft Edge 105

3.1.3 Regression testing and verification of fixed defects

Objective:

Checking the changes made on the online store 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:

- Functionality testing

4. Testing schedule

Task	Workload	Start date	Expiration date
Making a test plan	12 hours	29.09.2022	02.10.2022
Test execution	80 hours	04.10.2022	16.10.2022
Test Analysis	12 hours	17.10.2022	19.10.2022
Summarizing	12 hours	20.10.2022	22.10.2022

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.