

BEST FRIENDS

Site **Best Friends**

Test Plan

Version 1.0

2023

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| Site Best Friends | Version: 1.0 |
| Test Plan | Date: 27.03.23 |

Revision history

| Date | Version | Description | Author |
|------------|---------|-------------|------------------|
| 27.03.2023 | 1.0 | Creating | Ovsiienko Mykola |

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1. Introduction

1.1 Purpose

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

The Best Friends is an online store that specializes in selling pet products, accessories, and other items for pets. The pet store website offers a wide selection of products for various types of animals, from dogs and cats to fishes, and birds. The products available for purchase on the website include food, treats, toys, cages, clothing, and accessories for pets. The Best Friends website is convenient and easy to use, with a wide selection of products at affordable prices.

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 cases. Most of the time (90%) will be used for functional testing of the site

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 and critical path testing methods from the perspective of the end user of the site.

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2. Conditions for testing

A Best Friends website should meet certain needs to attract customers and ensure their satisfaction with shopping on the site. The main needs that a pet store website should meet include the following:

- **A wide range of products:** the website should have a wide selection of products for different types of animals, including food, toys, accessories, etc.
- **User-friendly interface:** the site should have a user-friendly interface that allows you to easily find the right products, place an order and pay for them.
- **Reliability and security:** the site should be reliable and safe for customers, ensuring the protection of their personal and credit card information.
- **Delivery and payment:** the website should offer different delivery and payment methods to meet the needs of different customers.

In general, a pet store website should be made with the needs of pet owners in mind and should provide a convenient and safe purchase of pet 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 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:

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- the first stage is 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 11
- MAC OS 13.2.1 Ventura

Browsers, approved for testing:

- Google Chrome 111.0.5563.65
- Microsoft edge 111.0.1661.54
- Opera 96.0.4693.50
- Mozilla Firefox 111.0
- Safari 14.1.2

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

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- User authorization
- Mail confirmation
- Password recovery

Account

- Account editing
- Change password
- Add/Change Address
- Order History
- Downloads
- Reward Points
- Returns
- Transactions
- Payment Profile
- Register for an affiliate account
- User logout from personal account
- Newsletter Subscription

Search

- Search results page
- Matching the product to the search query
- No search results page
- Pagination

Filtration

- Color
- Assignment
- Size

Sorting

- Sorting by name
- Sorting by Price
- Sorting by Rating
- Model
- Number of products

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- Display type: Grid, list

Cart

- Adding a product
- Change the quantity of the product
- Deleting a product
- Calculating a discount for an order
- Continue shopping after adding an item to the cart
- Total order amount
- Update shopping cart
- Ability to return to the basket and order when the browser is unexpectedly closed
- Using discount coupons
- Calculation of shipping and taxes
- Using gift certificate

Order placement(checkout)

- checkout options
- billing
- delivery
- payment

Product page

- Product photo
- QTY / Available Options
- discount timer
- Reward Points
- Adding a product to cart
- Wish List / Compare Products
- Adding a review
- Related Products

Product catalog

- Categories
- Subcategories
- Category tree

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Newsletter

- Sending

Hover buttons for product images

- Wish list
- Quick view
- Product compare

Completion criteria:

- all planned areas have been tested
- all errors and comments found are fixed

3.1.2 Cross-browser testing

Objective:

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

Browsers

- Google Chrome 111.0.5563.65
- Microsoft edge 111.0.1661.54
- Opera 96.0.4693.50
- Mozilla Firefox 111.0
- Safari 14.1.2

Completion criteria:

- all planned areas have been tested
- all errors and comments found are fixed

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

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Completion criteria:

- all planned areas have been tested
- all errors and comments found are fixed

3.1.4 Testing the design

Objective:

Verification of product design compliance with specifications

Process description:

- Registration form
- Product page
- Personal account
- Site pages

Completion criteria:

- all planned areas have been tested
- all errors and comments found are fixed

4. Testing schedule

| Task | Workload | Start date | Expiration date |
|--------------------|----------|------------|-----------------|
| Making a test plan | 9 hours | 27.03.2023 | 28.03.2023 |
| Test execution | | | |
| Test Analysis | | | |
| Summarizing | | | |

5. Final results

5.1. Resume

The final result of testing should be a detailed test result with defects and problems found, as well as recommendations for product improvement problems, as well as recommendations for product improvement and suggestions for additional testing of bottlenecks.

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

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- the testing team's conclusion regarding the overall state, which gives developers and managers of a given product a picture of how the site works with the tested OS and browsers;
- report on current coverage test results, typical report on current coverage and typical usage/OS/configuration scenarios;
- recommendations for product locations and operating conditions (environment, use cases that, in the opinion of the testing team test team believes may contain bugs;
- documented bugs in the Customer's bug tracker, or a document with all bugs exported from the Customer's bug tracker.