Site: Best Friends
Test Plan
Version 1.0

Revision History

Date	Version	Description	Author
16.07.2021	1.0	Creating	Biiakov Nikita

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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

Best Friends ia a website with goods for pets such as dogs, cats, fishes. The website allows the visitor to browse products, compare them, add them to a wishlist, check product availability, buy and return. The website contains the functionality of search, filtering, creating and changing personal account, localization functions, shopping cart and feedback forms.

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. 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 must satisfy the user's need for activities related to viewing the goods, ordering and returning, filtering, sorting, discounts, working with the cart, product pages.

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:

▪ 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 10

macOS High Sierra 10.13.6

Browsers, approved for testing:

Google Chrome 91.0.4472.124

Mozilla Firefox 89.0.2

Opera 77.0.4054.203

Safari 14.1

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
- Registration of a new user with data existing in the system
- The system is displayed an error window if required fields are empty
- Range of valid characters, special characters

Profile

- Profile editing
- Deletion of the account
- User logout from the personal account

Cart

- Add product
- Delete product
- Quantity
- Total
- Cancellation / confirmation of the order
- Change of the order

- Update shopping cart
- Continue shoping
- Proceed to Checkout as registered user
- Proceed to Checkout as unregistered user

Feedback form

- Sending a message
- Getting an answer

Search and filters

- Test search filters
- Test disabled search filters
- Test search results page
- Test no search results page
- The placeholder text is disappeared after entering information in the search field
- Writing a search query together, separately, through a hyphen lead to one result
- Search by emoji and wildcard symbols (* | ?)

Catalog page

- Sorting goods for sections
- The "Add to cart" dropdown menu

Goods page

- Changing quantity
- Adding parameters
- Adding reviews
- Deleting reviews
- Adding to the cart
- Scrolling the photos
- Zoom function
- The function of displaying a list of photos and the photos themselves

Newsletters subscription

- Subscribe with email the first time - check successful message
- Subscribe with empty field - check validation message
- Subscribe with already subscribed email - check validation message

Captcha

- Update function
- Validation function

3.1.2 Cross-browser testing

Objective:

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

Browsers:

Google Chrome 91.0.4472.124

Mozilla Firefox 89.0.2

Opera 77.0.4054.203

Safari 14.1

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:

Design Integration

- compare mockup and site

Visual part (site logo, scale etc.)

- Check logo image, position, alt tag
- Check if fields with errors are highlighted normally.
- Checking the page scaling (range 75-150%) the page should look correct.

Navigation Menu

- Check styling
- All navigation hyperlinks "work" — are not broken
- Displays without horizontal scrolling at 1024×768 and higher resolutions

Header

- Check currency signs
- Check header content (buttons, messages, etc)

Banner

- Location relative to each other
- Spelling/grammar

Footer

- Check footer content
- Check footer social media links
- Check footer copyright message

Product Details Page

- Pictures
- Long name
- Short name
- Check social media links under the name
- Short Description, if applicable
- Full Description, if applicable

4. Testing schedule

Task	Workload	Start date	Expiration date
Making a Test Plan	6 hours	16.07.2021	16.07.2021
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 and documented defects and recommendations for the improvement of the product from the perspective of the end user.