

Test Plan

Site [Best Friend](#)

Version 1.0

Site Best Friend	Version: 1.0
Test plan	Date: 15.10.2023

Історія змін

Date	Version	Type of changes	Autor
15.10.2023	1.0	Creation	Pylypenko T.
18.10.2023	1.0	Changed	Pylypenko T.

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1. Introduction

1.1 Goal

The goal of this test plan is to describe the process of testing the Best Friends website (full address <http://opencart.qatestlab.net/>). The document allows to get an idea of the planned testing activities for the project.

1.2 Input data

Best Friends is a website that allows users to buy products for their pets, including clothing and accessories for pets, food and pet supplies, and products for transporting and keeping pets. Users can also read useful articles on pet care. The site allows you to place an order, view your order history, and subscribe to newsletters and promotional offers.

1.3 The goal of testing

The purpose of testing the Best Friends website is to check the correct operation of all its functionalities on different versions of browsers with typical scenarios of its use. Part of the time (approximately 20%) will be used to test atypical use cases or those that potentially cause errors in operation.

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

- the conclusion of the testing team regarding the general state, which gives developers and managers of this product an idea of the correctness of the site in different browsers;
- a report on the results of testing the current coverage, typical use cases/ browsers;
- documented bugs in the bug tracker

Testing will be conducted manually, using the method of "informal" testing (ad-hoc testing) from the position of the end user of the site.

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2. Conditions for testing

The website must meet the user's needs in activities related to viewing and selecting goods, placing an order, accessing the personal account, and familiarizing themselves with useful materials and goods on the website.

3. Strategy of the testing process

The testing plan below is formal, as it requires an understanding of the current state of the project 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 functional tests will provide an accurate picture of the level of system stability and will clearly define the set of tests that will be executed in each configuration.

This approach will provide a detailed report on the product under test and focus maximum attention on bottlenecks.

The customer will be provided with weekly reports on the progress of testing, defects found, and suggestions for improving the product and its design. All detected defects will be entered into the bug tracker as separate tickets for further correction.

Ad-hoc testing of the Best Friends website will be used due to the lack of a specification and limited resources for formalizing tests.

Four stages of the testing process are planned:

- The first stage will consist of drawing up a test plan and testing the layout
- The second stage will involve a detailed run of functional tests and the identification and description of defects;
- The third stage will be cross-browser testing with a description of the defects found;

Thus, the maximum detail of the testing depth is achieved, which, in turn, allows for a more accurate determination of the resources spent, and also allows project developers to fix defects at an early stage.

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OC approved for inspection:

- Windows 10

Browsers approved for verification:

- Google Chrome 117.0.5938.150
- Mozilla Firefox 117.0.5938.150
- Opera 103.0.4928.16

3.1 Types of testing

3.1.1 Layout testing

Goal:

Detection of inconsistencies in the layout of elements, colors, fonts, images and graphic elements

Description of the process:

- Visual part
 - Location of elements
 - Color, text
 - Dimensions
 - Alignment
 - Scaling
 - Highlight fields in focus and with errors
 - Check Favicon
 - Check in different resolutions
- Accessibility
 - Check the clickability of elements,
 - Checking active/inactive elements
 - Checking the mouse pointer
 - Check tooltips

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3.1.2 Functional testing

Goal:

Identification of functional errors, inconsistencies with user expectations by implementing standard as well as non-trivial test scenarios.

Description of the process:

- Registration/Authorization
 - User registration
 - User authorization
 - Password recovery
 - Edit personal account
- Personal account
 - Edit profile data
 - Order history
 - Shipping address add/delete/edit
 - Logout of the user from the personal account
 - Subscribe to news
 - Saved
- Search
 - Search by section
 - Search filters
- Product catalog
 - Product filters
 - Sorting products
 - Pagination of pages
 - Product overview
 - Add to compare/favorites
 - Add to cart

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- Product card
 - Product description
 - Select additional color/size options
 - Add to favorites/comparison
 - Adding a quantity of goods
 - Add to cart
 - View/write reviews
- Cart
 - Displaying the appropriate price
 - Deleting a product
 - Go to the product page
 - Summarizing the final price
 - Saving the cart when closing the browser
 - Adding a quantity of products
 - Checkout the order
- Checkout of the order
 - Ability to enter personal and delivery data
 - Delivery/payment method
 - Matching the final order amount
 - Notification of successful/unsuccessful order
- Localization
 - Checking the translation of the text on the website

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3.1.3 Cross-browser testing

Goal:

To check the correct operation and design of the project in different browsers.

Browsers:

- Google Chrome 117.0.5938.150
- Mozilla Firefox 117.0.5938.150
- Opera 103.0.4928.16

4. Work plan

Task	Scope of work	Start date	Date of completion
Creating a test plan	12 hours	15.10.23	16.10.23
Execution of the test	40 hours	16.10.23	24.10.23
Analyzing the test	12 hours	24.10.23	25.10.23
Summarizing the results	8 hours	25.10.23	25.10.23

5. Final results

5.1 Conclusion

The end result of the testing should be a detailed test result with defects and problems found, as well as recommendations for product improvement and proposals.

The summary of the testing process will include the following materials:

- the conclusion of the testing team on the general state, giving developers and managers of this product a picture of the quality of the site in different browsers
- report on test results with recommendations for product improvement
- documented bugs in the bug tracker or a document with all the bugs exported from the bug tracker