Site http://opencart.qatestlab.net
Test Plan
Version 1.0

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Test Plan	Date: 11.12.2013

Revision history

Date	Version	Description	Author
11.12.2023	1.0	Creating	Hanna Hrytsenko

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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 – a site that allows the user to order different products for their pets, create wishlists with products they would like to purchase, compare different products' prices, read useful information about pets in the website's 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 cases. A fraction of the time (20%) will be used to test typical / 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 should satisfy the user's need for activities related to viewing the products, purchasing the products, changing product's characteristics, saving them to wishlists, reading the website's blog.

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:

- MAC OS 10.14 Mojave

- Windows 10

Browsers, approved for testing:
- Google Chrome 119
- Opera 106
- Microsoft Edge 119
- Firefox 120
- Safari 17

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:

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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:

Main page

- Welcome message

- Banners

- Special deals

- Special offers

- Bestsellers

- Deal of the day

- Specials

- About us

- Delivery information

- Privacy Policy

- Terms & Conditions

- Store info

- Returns

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- Blog

Registration / Authorization

- User registration
- User authorization
- Anonymous login
- Password recovery
- Password change

Profile

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

Address

- Adding address

- Editing address

- Deleting address

Wishlist

- Adding product

- Deleting product

Compare

- Adding product

- Deleting product

Search

- Search by name of the product

My orders

- Order history

- Downloads

- Reward points

- Returns

- Transactions

- Payment profile

Affiliate account

- User registration for affiliate account

Blog

- Reading short description
- Read full version after clicking "Read more" button
- Adding a comment

Product categories

- Sorting by name, price, rating, model.

- Refine search by color

Subscription

- Cancellation / confirmation of the subscription

Comments

- Adding a comment

- Deleting comments

Rating

- Adding rating

Currency

- Dollars

- Euro

- Pound Sterling

Website's language

- English

- Ukrainian

- German

Cart

- Adding product to the cart

- Removing product from the cart

- Change quantities

- Check VAT and products' costs add up correctly

- Checking out

- Final amount to pay; price, VAT, delivery costs are added up correctly.

Payment

- Payment methods

Product returns

- Making a request for a return

3.1.2 Cross-browser testing

Objective:

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

Browsers
- Google Chrome 119
- Opera 106

- Microsoft Edge 119
- Firefox 120
- Safari 17

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:

- Registration form

- Letter to the user
- Personal account

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- Site pages

4.Testing schedule

Task	Workload	Start date	Expiration date
Making a test plan	12 hours	7.12.2023	11.12.2023
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 defects and recommendations for the improvement of the product from the perspective of the end user.