Site Оптом.od.ua

Test Plan

Version 1.0

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Revision history

Date	Version	Description	Author
22.02.22	1.0	Creating	Matsyhin Mariia

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1. Introduction

1.1   Purpose

The purpose of this test plan is to describe the testing process of the site of the "Опт для всіх" (https://оптом.od.ua). The document allows one to get an idea of the planned work on project testing.

1.2   Source data

Оптом.od.ua - a site that allows the user to learn more about the company and the history of its creation, to get acquainted with the "Опт для всіх" product catalog with the possibility of its purchase.

1.3   Scope

The purpose of testing the "Опт для всіх" 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 should satisfy the user's need for activities related to viewing the brand assortment, selecting care products, receiving complete information about the selected product, and the possibility of purchasing it on the website.

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 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;

- the sixth stage is to test the product usability with a description of the defects found;

- the seventh stage is to test the product security with the 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:

- macOS Ventura 13.1;

Browsers, approved for testing:

- Google Chrome 109.0.5414.119;

- Opera 95.0.4635.37;

- Safari 18614.3.7.1.5;

The security testing and the stress testing are not conducted due to lack of testing time.

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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:

Main Page

- Home page;
- Special Offers;
- The brand page;
- Catalog Quick order;

Account

- My wishlist;
- My orders;
- Latest Orders;
- FAQs;

Club "Опт для всіх"

- Points;

Personal Information

- Update email address;
- Update password;
- Update personal information;

Addresses

- Add addresses;

Payment methods

- Modify saved cards;

Social networks

- Associate social network;

- dissociate social network;

Contact preferences

- Newsletter subscribe;

- Update notification preferences of the subscription;

Log out

Registration / Authorization

- User registration;

- User authorization;

- Login with a social account;

Product category pages

- Any filtres such as bestsellers, new products, top rated, price, discount, product type, need, brand, age, color type;

- Reset filters;

- Add to basket;

- Add to Wishlist;

Product detail pages

- Add to cart;

- Add Review;

- Change Quantity;

- Check the links;

Product Search

- Search by products;

- Search result page;

Cart

- Drop-down block (mini-basket);

- Adding products;

- Change in the number of products;

- Removal of goods;

- Subtotal;

- Ordering;

- Promotional code;

- Delivery;

Banners

- Flipping images;

- Check Links;

3.1.2 Cross-browser testing

Objective:

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

Browsers

- Google Chrome 109.0.5414.119;

- Opera 95.0.4635.37;

- Safari 18614.3.7.1.5;

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;
- Site pages;
- Product catalogs;

3.1.5 Usability testing

Objective:

Ensure that the website is user-friendly, easy to navigate, and effective in meeting the needs of its users.

- Ease of use of the functionality;
- Design and key elements;
- Registration;
- Images;

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3.1.6 Security testing

Objective:

Identify potential vulnerabilities, weaknesses, and security risks:

- Threat Modeling;
- Penetration Testing;
- Data Security Testing;
- Security Incident Response Testing.

4. Testing schedule

Task	Workload	Start date	Expiration date
Making a test plan	14 hours	17.02.2023	22.03.2023
Test execution			
Test Analysis			
Summarizing			

5. Final results

1.1 Resume

The final result of the testing should be the complete summary consequence of the testing process with the described defects and recommendations for the improvement of the product from the perspective of the end user.