Online Shop Migration Testing Project

Introduction

The existing website is going to perform migration to a new environment. The main objective is to verify the efficiency website according stated requirements.

The purpose is the management process of testing by migration of the Internet Store.

As a consequence, should ensure that after migration work of crucial functionality was not disrupted. And data of users was not affected, user can sign up, log in, search of goods, add an item, change amount of goods, choose method of delivery and payment, log out

Prerequisites are metrics, which are necessary for evaluating the effectiveness of the testing process and the current state of the application

Crucial topics are describing the process of testing, results of testing, defect status, recommendations

The audience is customers of clothes

Documentation

Test plan

Checklist

Test cases

Decomposition of website

Pairwise for filtration

Testing Scope

1. The purpose of the website is to be useful for potential buyers.
   The buyers could create and complete an order.
   The side of the business could process an order
2. Areas that require tested
   Registration of new users
   Authorisation already signed users
   Search for necessary goods
   Add/delete of goods
   Card of goods
   Sorting of goods
   Changing of amount
   Process of an order

Testing out of scope

Areas don't require tested
   Stress Testing
   Load Testing
   Security Testing
   Portability testing
   Mobile testing

Testing types and ways to test the features in scope

Experience-based testing
Positive and negative testing
Functional testing
UI testing
UX testing

Testing Strategy and an Approach

General Approach

The main aims of this application are usefulness and usability. So, the customer can pick out a product. Besides, users can add of goods to the Favourite list and edit the order. Furthermore, the customer must successfully choose the address, and method of payment and as a result, complete the order. For an achievement, of this purpose was resolved by using manual testing.

Levels of functional testing

Modular - Integration - System - Acceptance

Criteria

Acceptance Criteria: pass 100% of the Smoke Level Test Cases and 90% of the Path Test Level Test Cases while receiving 100% Critical and High Severity Defect Tests The resulting test case security coverage must be at least 80%.

Criteria for starting testing: release of the build

Criteria for suspending testing: switching to a critical path test is allowed only if 100% of test cases in the smoke test are successfully passed, testing can be suspended if at least 25% of the planned test cases are completed, more than 50% of them ended with the discovery of a defect.

Criteria for resuming testing: fixing more than 50% of defects found in the previous iteration

Resources

Software: Google doc, Google Sheet
Hardware: laptop
Human resources: 1 QA
Temporary resources: 5 days (8*5=40 hours).
Financial resources: Additional financial resources don't require

Schedule

09.09.2023 - investigation website, creating of test plan
10.09.2023 - decomposition of Internet store
11.01.23 - development of test cases for manual testing

12.09.2023 - the main phase of testing (execution of test cases, writing bug reports)
13.09.2023 - completion of testing and reporting

Environments and tools
Website: PrestaShop
Device: Aspire A315-24P
OS: Windows 11 Pro

Roles and responsibilities
The QA executes testing documentation and realizes the process of testing.

Risk assessment
Personnel (low probability): in case of disability of any of the team members
Time (high probability): the deadline for submission is 19/09/2023, so time is a critical resource. It is recommended to make an effort maximum to actually complete the project early.

Documentation
Requirements. QA is in charge of this kind of work. The date of readiness is 19.09.2023
Test cases and bug reports. QA is in charge of creating this documentation. The period of creation till 19.09.2023
Report about the result of testing. QA is in charge of it. The date of readiness is 19.09.2023

Metrics
Successful completion of test cases:
 - the percentage of successful completion of test cases,
- the number of successfully completed test cases,
- the total number of completed test cases.
Minimum value limits:
The initial phase of the project: 10%.
The main phase of the project: 40%.
The final phase of the project: 80%.