**Test Plan**

**oneprice.com.ua**

|  |  |
| --- | --- |
| **Related Artifacts** | |
| **Name** |  |
|  |  |
|  |  |
|  |  |
|  |  |

|  |  |
| --- | --- |
| **Abbreviations and Acronyms** | |
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**1. Introduction**

There is online internet store by affordable household goods, buyers can view the range of products and order home delivery. Purpose^

1. To attract potential clients
2. To convert visitors to client

There is target audience which conducts two the biggest groups:

1. People who want buy something at low prices
2. People who want buy products from foreign brands

This document describes all information about approach and methodologies, resources and the testing team necessary for reaches mark goals.

**2. Scope of work**

**2.1 Components and functions to be tested**

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **Application/ component name** | **Function name** | **Reference** |
| 11 | https://oneprice.com.ua/  (Desktop version) | **Check in account on site** |  |
| 2 2 | https://oneprice.com.ua/  (Desktop version) | **Log in account on site** |  |
| 3 3 | https://oneprice.com.ua/  (Desktop version) | **Edit profile data** |  |
| 4 4 | https://oneprice.com.ua/  (Desktop version) | **Feedback form** |  |
| 5 5 | https://oneprice.com.ua/  (Desktop version) | **Order form** |  |
| 6 6 | https://oneprice.com.ua/  (Desktop version) | **Quick order form** |  |

**2.2 Components and functions not to be tested**

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **Application/ component name** | **Function name** | **Reference/Comment** |
| 1 | https://oneprice.com.ua/  (Desktop version) | * PRODUCT * CATALOG * NOVELTY * DISCOUNTS * ABOUT THE COMPANY * DELIVERY AND PAYMENT * BLOG * Search |  |
| 2 | https://oneprice.com.ua/  (Desktop version) | **Footer** |  |
| 3 | https://oneprice.com.ua/  (Desktop version) | * CONTACT * ADDRESS * SUPPORT * CATALOG |  |

**2.3 Third-party components**

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **Component name** | **Component role** | **Reference/Comment** |
| 1 | Microsoft Edge | Browser | https://www.microsoft.com/uk-ua/edge |
| 2 | Firefox | Browser | https://www.mozilla.org/ uk-ua /firefox |
| 3 | Chrome | Browser | https://www.google.ua/chrome/index.html |
| 4 | Opera | Browser | https://www.opera.com |
| 5 | Jira | Software integrates development tools |  |
| 6 | MS Office | Create test cases, check lists | www.microsoft.com/ |
| 7 | One drive | Create test cases, check lists  Team Communication | https://onedrive.live.com/ |
| 8 | Telegram | Team Communication | - |
| 9 | Gmail | Team Communication | - |

**3. Quality and acceptance criteria**

* All necessary artifacts сollected: check lists, test cases and bug reports
* The product should not have known bugs with severity Critical and Major, and bugs with Priority High at the time of finish testing

**4. Critical success factors**

* Jira access.
* Access to one-price website.
* Telegram access, exact deadlines.
* Responsibility of all team members.
* Meet a schedule and complete development and testing of all functionality in term.

**5. Risk management**

|  |  |  |  |
| --- | --- | --- | --- |
| **Risk** | **Probability** | **Impact** | **Actions** |
| Problems in the test equipment. Breakdown of computer hardware or failures on the server side of the project. This can lead to a significant slowdown in project activities. | L | M | Availability of spare equipment, which will be provided if necessary. |
| The testing team consists of inexperienced workers, this can lead to the omission of a different kinds of bugs. | VH | VH | Experienced people: RM or other tester will help testing team resolve any problems in urgent cases. |
| Different types of leave (sickness or vacation) of any Member of the testing team, can lead to additional workload on other participants of the project. | H | M | RM can provide to project for an additional temporary person to work during the absence of a team member. |
| Force majeure circumstances that may lead to the de-energization of the workplace, which will lead to the suspension of work on the project | L | M | The presence of another room in the absence of electricity at the permanent workplace |

Legend:

VH – Very High; H – High; M – Medium; L - Low

**6. Resources**

**6.1 Key project resources**

|  |  |  |
| --- | --- | --- |
| **#** | **Project Role** | **Name, e-mail, location** |
| 1 | Project Manager | Vitaliy |
| 2 | Test Leader | 1. (25.02.2021-05.03.2021) -Taria, Kiev |

**6.2 Test team**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Project Role** | **Name** | **Location** | **Responsibilities** |
| 1 | Test | Taria | Kiev | Development of test-cases, executing and writing bug reports. |

**6.3 Test hardware**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Role** | **Resource** | **Hardware configuration** | **Software configuration** |
| 1 | Client | PC | RAM: 16Gb  Processor: Intel Core I5, 10 Gen | Win 10 64 bit |
| 2 | Client | PC | RAM: 2Gb  Processor: Intel Core I3 | Win 10 32 bit |

**6.4 Test tools**

|  |  |  |
| --- | --- | --- |
| **#** | **Tool** | **Comment** |
| 1 | Jira | Tracking of bugs and documentation. |
| 2 | MS Office Word | Creating test-cases |

**7. Test documentation**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Title** | **Responsible person(s)** | **Frequency (delivery time)** | **Method of delivery** |
| 1 | <Oneprice.com.ua> Test Plan | * Taria | Once before the testing start | One drive |
| 2 | <MS Office Excel>  Check lists | * Taria | Before the testing start | One drive |
| 3 | <MS Office Excel>  TestCases | * Taria | Before the testing start | One drive |
| 4 | <Jira>  Bug reports | * Taria | Upon finding a bug | One drive  jira |
| 5 | <MS Office Word>  Test Result Reports | * Taria | Once after the testing finish | One drive |

**8. Test strategy**

The oneprice.com.ua applications will be tested using a “black box” approach without knowledge of the internal structure or program source code.

**8.1 Entry criteria**

The Testing Team may suspend partial or full-testing activities on a given build if any of the following occurs:

* There is a fault with a feature that prevents its testing.
* A severe problem has occurred that does not allow testing to continue.

**8.2 Test methods**

Testing is the process of attempting to find discrepancies between the program and its functional specification/ requirements. The goal is to make sure that all functions of the it-academy.by applications work correctly.

* Manual functional testing – is considered as the main method of the application testing.

**8.3 Test types**

* Functional testing is a type of testing which verifies that each function of the software application operates in conformance with the requirement specification.
* Compatibility Testing - Compatibility Testing determines whether the product operates correctly in configurations with various operating systems, browsers.

**8.4 Test levels**

**8.4.1 Smoke Test** is performed to quickly assess the readiness of the product for further more deep and thorough testing. It includes testing it-academy.byapplications major functions on the one most often used and consequently most important server/ client configuration.

If Smoke Test failed, Testing Team sends notification and suspends testing until corrected version of the product is available.

**8.4.2 Critical Path Test**will be performed after Smoke Test is passed. The goal of the Critical Path Test is to find bugs that could affect the major functionality of the application that is most important for the product users. Critical Path Test will be performed manually.

**8.4.3 Extended Test’s**goal to find bugs related to the non-typical but still possible and likely usage scenarios (e.g. entering the incorrect data into the fields, boundary testing and so on). Extended Test will be performed according to test cases.

**8.5 Bug and documentation tracking**

Tools described in the section Test Tools will be used for bug reporting and documentation tracking. The bug metrics and statistics will be included in the test results reports.

**8.5.1 Bug severity definition**

**Blocker** - Blocks development and/or testing work, production could not run.

**Critical** - Crashes, loss of data, severe memory leak.

**Major** - Major loss of function.

**Minor** - Minor loss of function, or other problem where easy workaround is present.

**Trivial** - Cosmetic problem like misspelled words or misaligned text

**9. Testing schedule**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **#** | **Activity** | **Begin Date** | **End Date** | **Assignment** | **Location** | **Work content** |
| 1 | Test plan creation | 25.02.2021 | 27.02.2021 | Test Plan Bugbusters v.1.docx | 2. For report\_Bugbusters\_team | 2 days |
| 2 | Сreation of check-lists | 27.02.2021 | 28.03.2021 | Test cases template.xlsx | 2. For report\_Bugbusters\_team | 1 days |
| 3 | Writing test cases | 27.02.2021 | 28.03.2021 | Test cases template.xlsx | 2. For report\_Bugbusters\_team | 1 days |
| 4 | Testing and writing bug reports | 28.02.2021 | 03.03.2021 | Jira | jira.it | 3 days |
| 5 | Тhe creation of a Final TRR, preparation of presentations | 03.03.2021 | 05.03.2021 | Final TRR.docx | 2. For report\_Bugbusters\_team | 2 days |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Revision history** | | | | | |
| **Ver.** | **Description of Change** | **Author** | **Date** | **Approved** | |
| **Name** | **Effective Date** |
| 1 | **2.3 Third-party components ( Reference/Comment)**  **4. Critical success factors.**  **7. Test documentation (Responsible person(s)).**  **8. Test strategy.** | Taria | 25.02.2021 | Vitaliy | 06.03.2021 |