Contents

**Revision history**

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| --- | --- | --- | --- |
| Date | Version | Description | Author of changes |
| 11/04/2019 | v1.0 | Initial document | Aleksandra Tumanenko |
| 15/02/2021 | v1.1 | Updated:   * References * Testing Areas * Features to be tested * Features Not to be tested * Test Environment and Tools * Testing exit criteria | Gudenko  Ruslan |
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|  |  |  |  |

* Introduction

The purpose of this document is to establish a plan for the activities that will verify Canny Store under test as a high-quality product. The document will serve as a guide for all testing activities and will highlight the following:

* Test Strategy/Test Approach
* Test Methodology
* Test environment
* Acceptance criteria
* Roles and Responsibilities

We believe that the quality assurance team possesses all the qualities required for successful project development and implementation.

* References

**Table 1 - List of referenced documents**

|  |  |  |
| --- | --- | --- |
| Code | Document | Location |
| 1 | Functional Specification | Google Doc |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

* Testing Areas
* Features to be tested

Main menu navigation:

* About us
* Furniture
* Accessories
* Contacts

Furniture section:

* Item information displaying
* Manipulation with item
* Adding item to basket

Accessories section:

* Checking information about item
* Manipulation with item
* Adding item to basket

About us:

* Information about Canny Store

Contacts:

* Sign up for our newsletter form
* Footer with social links icons (Facebook, Twitter, Pinterest)

Basket:

* Manipulation with item

Order checkout page:

* Order checkout form
* Selecting method of payments

Integration with:

* Liqpay payment system
* WayForPay payment system
* CRM system
* Google Maps
* Social links (Facebook, Twitter, Pinterest)

Exhibition:

* Exhibition form with guest
* Exhibition form without guest

CRM system:

* List of people who signed up for the exhibition
* List of news subscribers
* Features Not to be tested

LiqPay payment system

WayForPay payment system

Google Maps

Social links (Facebook, Twitter, Pinterest)

* Test Strategy/Test Approach

Agile approach, takes QA team and development team as one team. Thus, they all have the same goal that is developing a top quality product that fulfils its users’ needs. Tasks carried out in a highly collaborative manner by teams that embrace and adapt changes to address customer's needs. This approach allows QA team efficiently collaborate with the development team and produce great results.

* Test Levels

There will be four levels of tests applied: unit testing, integration testing, system testing and acceptance testing.

**Unit testing** is a level of software testing where individual units/ components of a software are tested. The purpose is to validate that each unit of the software performs as designed.

**Integration testing** is a level of software testing where individual units are combined and tested as a group. The purpose of this level of testing is to expose faults in the interaction between integrated units. Test drivers and test stubs are used to assist in Integration Testing.

**System testing**, or end-to-end testing, verifies that a completely integrated system meets the requirements.

**Acceptance testing** performed by the Client to certify the system with respect to the requirements that were agreed upon. The main purpose of this testing is to validate the End-to-End business flow.

* Testing in development process

**Smoke testing** – type of software testing which ensures that the major functionalities of the application are working fine. It is also known as Build verification testing where the build is verified by testing the important features of the application and then declaring it as good to go for further detailed testing.

**New feature testing** – testing process exercised to check whether the new feature is worked correct like mentioned in specification for this feature. This phase goes in parallel with bug fix verification.

**Regression testing** Regression Testing is defined as a type of software testing to confirm that a recent program or code change has not adversely affected existing features. Regression testing performed before each release to production.

* Quality metrics
* Priority definition

|  |  |
| --- | --- |
| **Priority** | **Description** |
| **P1** | Critical business issue.  This is a failure that is preventing either large or core areas of the Product from functioning. This defect needs to be fixed and deployed as soon as possible. |
| **P2** | Significant business issue.  This is a serious failure that must be fixed before going live. Defects badly affect core areas, causing important or highly visible areas to fail. |
| **P3** | Limited business issue  A failure that is causing an error in the application’s functionality. It is of lower impact or in a less visible area than a P2 failure. Defects should be fixed before going live. Normally has a workaround. They usually impact only a few test cases and will not stop QA testing, and staying on schedule. |
| **P4** | Minimal business issue.  A failure with minimal implications for the users of the applications. Most users will never notice it. May be minor cosmetic issues and may not prevent any test case from completing. It may be acceptable to mark a test case as having passed even with trivial defects against it |

* Item Pass/Fail Criteria

This set of criteria will be used to determine whether test item has passed or failed the test:

|  |  |  |
| --- | --- | --- |
| Test results | Description | Action |
| Passed | Test case has met the “Expected result” | Pass record in TestRail |
| Failed | Test case has not met “Expected result” | Failed record in TestRail |
| Blocked | Test case cannot be executed at the moment | Blocked record in TestRail |
| Not tested | Test case wasn’t tested yet. | Not tested record in TestRail |

* Test Environment and Tools

This section describes an environment, which will be used on the project, tools required for testing and list of browsers under the test.

**Table 3 - List of tools to be used**

|  |  |  |
| --- | --- | --- |
| Tool | Tool name | Note |
| Bug Tracking System | Trello | [https://trello.com](https://trello.com/) |
| Project document repository | Google Doc | [https://drive.google.com](https://drive.google.com/) |
| Database administration tool | CRM | [https://crm.tilda.cc](https://crm.tilda.cc/lists/?listid=9503620493) |
| Test Management Tool | TestRail | https:/testrail.io |
| Browsers | Google Chrome | version: 88 (64 bit) |
| API manual tests tools | - | - |

* Testing exit criteria

**Exit criteria is as follows:**

* **P1** 0 bugs
* **P2** 0 bugs
* **P3** 5 bugs
* **P4** 10 bugs
* Deliverables

This section will describe the following deliverables:

* Test Plan (this document itself)
* Test Cases
* Bug reports
* Release notes
* QA weekly reports