***<Qwallity workspace>***

**Test Plan**

**Release *<1.0>***

***<01.08.2022> - <15.08.2022>***

**VERSION HISTORY**

*[Provide information on how the development and distribution of the* ***Test Plan****, up to the final point of approval, was controlled and tracked. Use the table below to provide the version number, the author preparing the version, the date of the version, the name of the person approving the version, the date that particular version was approved, and a brief description of the reason for creating the revised version.]*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID & Version #** | **Prepared**  **By** | **Revision**  **Date** | **Approved**  **By** | **Approval**  **Date** | **Reason** |
| 5 | Liana Brutyan | 25.07.2022 | Ani Movsisyan | 30.07.2022 | requirement is changed |
|  |  |  |  |  |  |

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* **Introduction**
* **Purpose of The Test Plan Document**

The purpose of this document is to communicate the testing approach that the QA team will use for the <1.0> release. This document is targeted to the following reader groups:

**The QA Team**- This document will communicate internally the process used and the scope of the testing.

**The Development/Management Teams**- This document will provide a clear understanding of the testing approach to all external teams.

* **Test ITEM**
* **Project description**

The Qwallity app is designed for adding and purchasing courses

* **Items to be Tested / Not to be Tested**

*1pt=5hours*

|  |  |  |  |
| --- | --- | --- | --- |
| **Item to Test** | **Test Description** | **Test Date** | **Estimation** |
| “Login” | The login function will be tested | <08/01/2022> | 4pt |
| “Register” | The functionality of the register will be tested | <08/03/2022> | 10pt |
| “Add new course” | The functionality of the"Add new course" will be tested | <08/09/2022> | 10pt |
| Edit/Delete the course | The functionality of the "Edit/Delete the course" will be tested | 08/15/2022 | 8pt |

* **Items to Not be tested**

|  |  |
| --- | --- |
| **Item Not to Test** | **Comment** |
| About us | Testing of this function is not a priority |
| Home | Testing of this function is not a priority |
|  |  |

* **Test Approach(s)**

**Testing and Traceability** – We need to follow business requirements

Testing will be done manually․

Testing will be done with functional and non-functional types. Integration and system testing will be performed. test cases will be checked and bug reports will be opened based on them. Task management tool "Jira" and "TestRail" test management tool will be used․test cases will be written to TestRail and bugs will be opened in Jira.

The priority and severity of all test cases and buges will be considered.

Bug severity will be set by QA specialists and we will set the following options for them.

critical

blocking

hight

medium

low

Priority will be set by QA manager and the following options will be set for them:

Hight

Medium

low

Based on requirements, in Scope of GUI Testing will check application table sizes, field sizes, position of fields.

* **Test Deliverables**

This QA testing schedule is largely based on the development and technical publications schedules. All dates are subject to change if the development or documentation milestones are moved. Here are the key dates and testing periods.

|  |  |
| --- | --- |
| **Milestone/Project** | **Completion/Execution Dates** |
| Requirements Review/Estimation | <08/02/2022> |
| *Test Case preparation* | <08/02/2022> |
| *Test Case review* | <08/09/2022> |
| Manual Testing | <08/11/2022> |
| Bug Report | < 08/13/2022> |
| Regression testing(manual) | <08/14/2022> |

* **Staffing / Training Needs**

For the process of testing should be 1 Project Manager, 1 Senior Tester, 3 Junior Tester

Testing requires specialists who know the tools used during testing, are able to perform functional and non-functional testing.

* **Risk and mitigation**
* **Test Risks / Issues**

Include in this section any areas that may impede the progress of testing. Basically this section is an outstanding items list for QA.

* Ensure that the team members have the appropriate knowledge to perform the testing properly- if there is a discrepancy, specialists will undergo additional training
* Ensure that the requirement is not incomplete - If the requirements are incomplete, a team member will talk to the PO and will clarify
* Ensure that the budget allocated to the project will be sufficient to complete it
* Make sure that the communication between the team members is good
* **Test Environment and infrastructure**
* **Required Infrastructure**

Testing should be done in following environments development, preprod and stage. For test environment we need <https://qwallity.herokuapp.com/> environment and any browser.

**Roles and responsibilities**

* **Roles and assigned responsibilities**

|  |  |
| --- | --- |
| **Role** | **Responsibility** |
| Project Manager | Sets a detailed test schedule for the team.  Provides preliminary test planning for the QA team.  Defines the roles and responsibilities of the QA team.  Defines the QA tasks to be performed.  Manages the QA team (motivation, evaluation and orientation of new members).  Identifies potential obstacles to testing.  Writes tester performance reviews.  Provides comments as internal test reviewers for development  deliverables (Functional specifications, design documents, etc.). |
| Senior Tester | The software tester reports to the QA Manager and is  responsible for writing and executing manual test․  Writes test plans that can be easily reproduced.  Writes test scripts  Ensures test plans and scenarios are traceable to applicable requirements and functional design documents (Functional specifications, help text, design documents, etc.). |
| Junior Tester | Writes test cases (required setup, procedures and information).  Participates in testing reviews (if applicable). |

**Software tests also do the following:**

**Test Execution**

* Executes test plans.
* Report issues by raising bugs on Jira.
* Track previously reported bugs on Jira.

**Analyze Results**

* Verifies successful resolution of bug fixes by checking the content of bug reports and repeating the test if necessary.
* Identifies issues that should be documented

**Test Schedule**

* **Milestones and schedule**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Milestone** | **Deliverable** | **Effort(Person Hour)** | **Start Date** | **End Date** |
| Perform requirements analysis | Requirement analysis | 1 person/16 | 01.08.2022 | 02.08.2022 |
| Write test cases | Test Case | 4 person/32 | 03.08.2022 | 06.08.2022 |
| Open bug report | Bug report | 4 person/ 56 | 07.08.2022 | 13.08.2022 |
| Write test summury report | Test summury report | 1 person /16 | 14.08.2022 | 15.08.2022 |