*<Quality APP>*

Test Plan

**Release *<1>***

***<27.02.2022> - <15.03.2022>***

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** |
| 01 | *Seda Babajanyan* | *28.02.2022* | *Maria Manukyan* | *28.02.2022* | 1 |
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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 <Quality APP> release. This document is targeted at 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

In Quality APP admin users can add, delete or edit courses. After Log Inn we can see our and others’ courses, title, price, start date, end date, etc.

## Items to be Tested / Not to be Tested

|  |  |  |  |
| --- | --- | --- | --- |
| **Item to Test** | **Test Description** | **Test Date** | **Estimation** |
| User Story # 1 | Register, log in, log out, the home page | 28.02.22 | 13pt |
| User Story # 2 | Add a course, edit, delete | 01.03.22 | 5pt |
| User Story # 3 | My course, exercises, courses | 02.03.22 | 5pt |
|  |  |  |  |

## Items to Not be tested

|  |  |
| --- | --- |
| **Item Not to Test** | **Comment** |
| Task1 | About us |

## Test Approach(s)

**Manual Testing Approach** – Only manual testing will be done

**Scope of GUI Testing –** All parts of the GUI will be tested.

**Regular Bug Triages** – QA manager will ensure that bugs are being prioritized regularly, and QA, DEV, BA, and Document Writer representatives are taking part in the regular bug reviews.

**Testing Execution and Bug Tracking** – For test case development will be used Testrail tool, which will also provide test execution results after test runs.

**Bug Severity and Priority Setting –** The prioritization of bugs will be done by the assigned BA. The testing process will include test case development, run of all test cases, retesting of fixed bugs, and bug report

## 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 | <03/01/22> |
| *Test Case preparation* | <05/01/22> |
| *Test Case review* | <08/01/22> |
| Manual Testing | <10/01/22> |

## 

## Staffing / Training Needs

In manual testing, we don’t need any training.

# Risk and mitigation

## Test Risks / Issues

The main risk of the testing is the lack of experience of QA engineer. This risk can cause a delay in all stages of testing. For mitigation of this risk daily team meetings will be hold by senior QA engineer to understand the progress of testing and help with advises for better results.

# Test Environment and infrastructure

## Required Infrastructure

## <https://dev-qwallity.herokuapp.com/>

# Roles and responsibilities

## Roles and assigned responsibilities

[Describe various roles and responsibilities given to them. E.g. Junior Tester, Senior Tester, Project Manager, etc.]

|  |  |
| --- | --- |
| **Role** | **Responsibility** |
| QA lead | Control all testing process |
| Tester | Execute testing |

## Test Team Leader/Manager

The QA Team Leader/Manager is responsible for the following:

**Team Management - Planning Tasks**

* Define a detailed Test schedule for a team.
* Provide initial test planning for the QA team.
* Define QA Team roles and responsibilities.
* Estimate effort for the various deliverables.
* Identify training requirements.
* Identify support requirements.
* Interview candidates to fulfill the various Software Tester roles.

**Team Management - Daily Tasks**

* Define QA tasks to be performed.
* Resolve management issues involving QA and the development team.
* Track ongoing QA preparation and execution tasks in a scheduling tool.
* Manage the QA Team (motivation, assessment, and orientation of new members).

**Team Management - Weekly Tasks**

* Assign tasks to various team members.
* Attend applicable management meetings to provide QA's approval of all change requests (when applicable).
* Chairs the team status meetings.

**Team Management – Ad hoc Tasks**

* Manage testing of software fixes during the Beta, Final, and Regression phases of Testing.
* Identify potential testing roadblocks.
* Write performance reviews of testers.

**Team Management - Deliverables**

* Ensure quality, and timeliness of the various testing deliverables as identified in this Strategy document.
* Provide comments as the internal testing reviewers for the development deliverables (Functional Specs, design docs, etc.).

## Software Tester

The software tester reports to the QA Team Leader/Manager and is responsible for writing and executing manual and automated tests. The Software Tester's responsibilities include:

**Test Plan/Matrices and Scripts Preparation**

* Research relevant documentation to become knowledgeable enough to understand how the application was designed to write Test Plans/Matrices and Scripts.
* Write test plans that can be easily reproduced.
* Write test scripts that are easy to maintain.
* Ensure test plans and scripts are Traceable to applicable requirements and functional design documents (Functional Specs, help text, Design Documents, etc.).
* Write test cases (required set-up, procedures, and information).
* Attend testing overviews (if available).

**Independent Verification of Test Specs/Matrices and Scripts**

* Provide Test Plans/Matrices and Scripts for review by peers, development, and marketing representatives.
* Incorporate review comments into Test Plans/Matrices and Scripts.
* Conduct peer reviews Test Plans/Matrices and Scripts.

**Test Execution**

* Execute the Test Plans and Matrices.
* Run the automated tests.
* Report problems by raising bugs in Siebel.
* Follow up on bugs previously submitted in Siebel.

**Analyze Results**

* Report on successful test spec/matrix completion.
* Report on successful automated test completion.
* Verify successful resolution of bug fixes by verifying the contents of the bug reports and rerunning the test where applicable.
* Identify issues that should be documented in the Readme/Release Notes.

# Test Schedule

## Milestones and schedule

[Describe the describe key milestones, deliverables, efforts, start date, and end date]

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Milestone** | **Deliverable** | **Effort(Person Hour)** | **Start Date** | **End Date** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |