*<QWALLITY WEBPAGE>*

**Release *<1>***

***<26.01.2022> - <02.02.2022>***

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** |
| #1 | *Lusine Mesropyan* | *< 29.01.2022>* | *Nelli Krtyan* | *<02.02.2022>* | 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 <Product and Version> 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

## 2.1 Project description

The test plan written for the “QWALLITY” webpage. The webpage purpose is to help students apply the software quality assurance techniques and methods.

**QWALLITY** has 4 main services.

* QA Trainings
* QA Outsourcing
* QA Consulting
* QA Professional Services.

The application includes Fundamental and Advanced courses on main software testing types, trainings, etc.

## 2.2 Items to be Tested

|  |  |  |  |
| --- | --- | --- | --- |
| **Item to Test** | **Test Description** | **Test Date** | **Estimation** |
| **“Login” functionality** | “Login” page is to let users to get account in the main page. | <28.01.2022> | 1pt |
| **Registration form** | User should register to the system with some validations forms. | <28.01.2022> | 3pt |
| **Exercises page** | User should be able perform some mathematical operations․ | <28.01.2022> | 1pt |
| **About us page** | Information about start-up company. | <28.01.2022> | 1pt |
| **“Add Course” functionality** | User should be able to add new courses. | <28.01.2022> | 2pt |
| **Courses edit/delete functionality** | User should be edit and delete some courses. | <28.01.2022> | 4pt |

## 

## 2.3Test Approach(s

**Manual** **testing** - For testing the above webpage we use the MANUAL testing type.

**Integration Testing**  - The webpage has some integration components, like “Log in” and “Registration” pages.

**Regular Bug Triages** – PM or PO is responsible for ensure that bugs are being prioritized on a regular basis, which QA, DEV, BA and Document Writer representatives are taking part in the regular bug reviews.

## 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 |
| --- | --- |
| Test Case preparation | <28/01/2022> |
| Test Case review | <28/01/2022> |
| Manual Testing | <28.01.2022-02/02/22> |
| Bug Report | <01/02/2022> |
| Test Summary Report | <01/02/2022-03/02/2022> |

# Roles and responsibilities

## Roles and assigned responsibilities

|  |  |  |
| --- | --- | --- |
| **Name** | **Role** | **Email** |
| Lusine Mesropyan | QA Engineer | Lusnyak.mesropyan@gmail.com |
| Nelli Krtyan | QA Lead | nkrtyan@gmail.com |
| Arman Martirosyan | Junior QA | Armartirosyan.95@gmail.com |
| Maya Karapetyan | Senior QA | m.karapetyan@yahoo.com |
| Areg Vardanyan | QA Manager | VardanyanA.@gmail.com |

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# 2.6 Risk and mitigation

|  |  |
| --- | --- |
| **Risk** | **Mitigation Plan** |
| **Absence of DB Testing.** | Testing will be more complete when there is also DB testers. |
| **Absence of API Testing.** | Testing will be more complete when there is also API testers. Set up an environment for this type of testing (exp.Postman). |
| **Absence of Automated Testing.** | Another team member who is doing Automation testing, can join the Manual tester. |
| **Lack of tester experience** | Recognize trainings to improve special skills |
| **Absence of Performance Testing.** | To have already setted environment for Performance Testing and necessary skills for doing that type of testing. |

## 2.7 Test Team Leader/Manager

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

**Team Management - Planning Tasks**

* Define detailed Test schedule for 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 schedule 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 for the purpose of providing 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, 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 for the purpose of writing 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

|  |  |  |  |
| --- | --- | --- | --- |
| **Milestone** | **Effort (Person Hour)** | **Start Date** | **End Date** |
| Test Case preparation | 6 | 27/01/2022 | 28/01/2022 |
| Test Case review | 1 | 27/01/2022 | 28/01/2022 |
| Manual Testing | 6 | 28/01/2022 | 29/01/2022 |
| Bug Report | 2 | 29/01/2022 | 01/02/2022 |
| Test Summary Report | 5 | 30/01/2022 | 02/02/2022 |