*<Qwallity app>*

Test Plan Template

**Release *<2>***

***<19.07.2023> - <06.08.2023>***

VERSION HISTORY

Test Plan was distributed among team members based on their experience and skills. The workflow is controlled and tracked using JIRA and Test rail. The table below provides 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. The revised version is created to improve the functionality of login, registration and add course sections.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID & Version #** | **Prepared**  **By** | **Revision**  **Date** | **Approved**  **By** | **Approval**  **Date** | **Reason** |
| A2 | Anna Elnazaryan | *19.07.2023* | *Ani Movsisyan* |  | 2 |
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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 Qwallity app A2 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

*Qwallity app is an application that can be used to create courses, register and log in as a user as well as an admin. It also has a set of exercises which can be used as a task during the trainings.*

## Items to be Tested / Not to be Tested

|  |  |  |  |
| --- | --- | --- | --- |
| **Item to Test** | **Test Description** | **Test Date** | **Estimation** |
| User Story # 1 | Login | 24.07.2023 | 5 |
| User Story # 2 | Registration | 25.07.2023 | 15 |
| User Story # 3 | Add course | 27.07.2023 | 25 |

## Items to Not be tested

|  |  |
| --- | --- |
| **Item Not to Test** | **Comment** |
| Exercises | It is created for the students to practice |
| Home | No requirement from the client |
| Security | Out of scope |

## Test Approach(s)

The testing will be done manually. Test cases will be created based on specification, user story and the priority set by the PM. Bug reports and the test summery can be found in Jira and Test Rail.

## 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.

| **Document** | **Completion/Execution Dates** |
| --- | --- |
| *Test Plan* | 24.07.2023 |
| *Test Cases* | 28.07.2023 |
| *Test Summary Report* | 04.08.2023 |

## 

## Staffing / Training Needs

The team needs 3 experienced QAs to lead the groups responsible for each User story.

# Risk and mitigation

## Test Risks / Issues

* Any new requirement from the client

# Any Date change

# Test Environment and infrastructure

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

# Use Browsers: Google chrome and Mozilla

# QA invironment and Procuston close inviroment

# Roles and responsibilities

## Roles and assigned responsibilities

|  |  |
| --- | --- |
| **Role** | **Responsibility** |
| Ani Urutyan | *Junior Tester* |
| Anna Sarikyan | *Junior Tester* |
| Lilit Karapetyan | *Junior Tester* |
| Anna Aghajanyan | *Senior Tester* |
| Lilit Melkonyan | *Senior Tester* |
| Srbuhi | *Senior Tester* |
| Narine Davaryan | *Project Manager* |

## 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

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Milestone** | **Deliverable** | **Effort(Person Hour)** | **Start Date** | **End Date** |
|  | Login | 5 | 24.07.2023 | 24.07.2023 |
|  | Register page | 15 | 25.07.2023 | 26.07.2023 |
|  | Add course | 25 | 27.07.2023 | 03.08.2023 |

* 1pt = 5 hours
* 1 hour = 5$
* Login page = 1 pt
* Register page = 3pt
* Add course= 5pt