*<QWALlITY App>*

Test Plan Template

**Release *<V1>***

***<05/10/23> - <05/26/23>***

VERSION HISTORY

*The development and distribution of the Test Plan, up to the final point of approval, is controll and track. All pages of the QWALLITY APP are explored and all risks considered. Summary Report is presented at the end.*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID & Version #** | **Prepared**  **By** | **Revision**  **Date** | **Approved**  **By** | **Approval**  **Date** | **Reason** |
| 1010 | Luiza Gevorgyan | *<* 05/03/23*>* | Nelli  Krtyan | *<*05/05/23*>* | QWALLITY APP |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

TABLE OF CONTENTS

[1 Introduction 4](#_Toc486519897)

[1.1 Purpose of The Test Plan Document 4](#_Toc486519898)

[2 Test ITEM 4](#_Toc486519899)

[2.1 Project description 4](#_Toc486519900)

[2.2 Items to be Tested / Not Tested 4](#_Toc486519901)

[2.3 Items to be excluded 4](#_Toc486519902)

[2.4 Test Approach(s) 4](#_Toc486519903)

[2.5 Test Deliverables 4](#_Toc486519906)

[2.6 Staffing / Training Needs 5](#_Toc486519908)

[3 Risk and mitigation 5](#_Toc486519909)

[3.1 Test Risks / Issues 5](#_Toc486519910)

[4 Test Environment and infrastructure 5](#_Toc486519911)

[4 Required Infrastructure 5](#_Toc486519912)

[5 Roles and responsibilities 5](#_Toc486519914)

[5.1 Roles and assigned responsibilities 5](#_Toc486519915)

5.2 Test Team Leader………………………………………………………………...7

5.3 Software Tester…………………………………………………………………..8

[6 Test Schedule 8](#_Toc486519916)

[6.1 Milestones and schedule 9](#_Toc486519917)

# 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 and V1> 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 an application, where people can login as a user see all lessons and buy some lessons. The user can registrate and login as a admin, who will have the possibility to add, to edit, to delete a course.

## Items to be Tested / Not to be Tested

|  |  |  |  |
| --- | --- | --- | --- |
| **Item to Test** | **Test Description** | **Test Date** | **Estimation** |
| Login screen # 1 | Check functionality of login screen   * Name, * username, * Eye icon, * Login button * Cancel button * Forget your password | <05/13/23> | 1pt |
| Registration screen # 2 | Check functionality  of Registration screen fields   * Name, * Username, * Email, * Password, * Confirm Password, * Submit button, * Reset button | <05/15/23> | 3pt |
| Add, Edit, Delete, Buy Course #3 | Check functionality of Course Page   * As a user * As an admin   Check functionality   * Add course, * Edit course, * Delete course, * Buy course, * Account Balance | <05/18/23> | 6pt |

## Items to Not be tested

|  |  |
| --- | --- |
| **Item Not to Test** | **Comment** |
| API Testing | Team don’t have that skils. |
|  |  |
|  |  |

## Test Approach(s)

Testing should be manual and automation.

Testing types should be

* System Testing
* Functional Testing
* Non-functional Testing
* Black-box Testing
* White-box Testing
* Regression Testing

## 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 | <05/10/23> |
| *Test Case preparation* | <05/11/23> |
| *Test Case review* | <05/13/23> |
| Manual Testing | <05/15/23> |
| Automation script preparation | <05/19/23> |
| Automation code review | <05/23/23> |
| Regression testing(manual+automation) | <05/25/23> |

## 

## Staffing / Training Needs

Team have some traingns needs of Database 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.

# Test Environment and infrastructure

## Required Infrastructure

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

# Roles and responsibilities

## Roles and assigned responsibilities

|  |  |
| --- | --- |
| **Role** | **Responsibility** |
| Maria Manukyan | Senior QA/Automation Testing |
| Luiza Gevorgyan | Junior QA/Manual Testing |
| Aghavni Harutyunyan | Junior QA/Manual Testing |
| Anahit Zaqaryan | Junior QA/Manual Testing |
| Mane Babayan | 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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Milestone** | **Deliverable** | **Effort(Person Hour)** | **Start Date** | **End Date** |
| Login Screen | Test Cases and Bug Reports | 5 | <05/13/23> | <05/14/23> |
| Registration Screen | Test Cases and Bug Reports | 15 | <05/15/23> | <05/17/23> |
| Add, Edit, Delete, Buy Course | Test Cases and Bug Reports | 30 | <15/18/23> | <05/23/23> |
| Regression Testing | Summary Report | 15 | <05/23/23> | <05/25/23> |

# 

Good job ☺