*<QWALLITY WORKSPACE>*

Test Plan

**Release *<Qwallity Application>***

***<04/22/2023> - <05/01/2023>***

VERSION HISTORY

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID & Version #** | **Prepared**  **By** | **Revision**  **Date** | **Approved**  **By** | **Approval**  **Date** | **Reason** |
| 1 | *Armine Melqonyan* | *< 4/22/2023>* | *Armine Melqonyan* | *<6/22/2023>* | Qwallity Application |
|  |  |  |  |  |  |
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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 Application> 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 Applications is meant to buying courses. There are Register, Log in, Home pages, Exercises, My Courses partitions and etc. Qwallity App can entered two user- Admin user and Non-Admin user. Admin-user can adding courses, delete and editing them. Non-Admin-User can buying courses.

## Items to be Tested / Not to be Tested

|  |  |  |  |
| --- | --- | --- | --- |
| **Item to Test** | **Test Description** | **Test Date** | **Estimation** |
| User Story 1  Register page | Check the accuracy of all five fields and Button. User should register to the system with some validations | <4/22/2023> | 3pt |
| User Story 2  Login page and functionality | User should login to the system with valid data.  Check forgot password operability | <4/24/2023> | 3pt |
| User Story 3  Home page and course adding functionality | Only Admin user can add course with Fundamental and Advance course types. Check the course is adding in My Courses section | <4/26/2023> | 3pt |
| User Story 4  Courses page - edit and delete functionality | Only Admin user can edit or delete course | <4/28/2023> | 3pt |
| User Story 5  Course buying | Non-Admin user can buy course | <4/30/2023> | 1pt |
| User Story 6  Account balance | Check account balance, if it was insufficient, take a validation message | <5/01/2023> | 1pt |
| **Total estimation** | | | 14pt |

## Items to Not be tested

|  |  |
| --- | --- |
| **Item Not to Test** | **Comment** |
| Task1  Database Testing | Have not skill |
| Task2  API testing | Have not skill |
|  |  |

## Test Approach(s)

Qwallity Application testing will be manual․ Will be done Integration testing, Regular Bug Triages,Testing Execution and Bug Tracking,Bug Severity and Priority Setting and Description of the types of testing done and the testing period for this release.

## 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 | <04/22/2023> |
| *Test Case preparation* | <04/23/2023> |
| *Test Case review* | <04/25/2023> |
| Manual Testing | <04/26/2023> |
| Regression testing(manual) | <04/29/2023> |
| Test Summary Report | <05/01/2023> |

## 

## Staffing / Training Needs

We need DB, API and UI/UX trainings.

# 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

Qwallity Application

[QWALLITY Workspace (qwallity-prod.onrender.com)](https://qwallity-prod.onrender.com/)

# Roles and responsibilities

## Roles and assigned responsibilities

|  |  |
| --- | --- |
| **Role** | **Responsibility** |
| Armine Melqonyan  Junior tester | Write test cases, bug report, perform a test and follow the process |
| Anahit Khazaryan  Junior tester | Write test cases, bug report, perform a test |

## 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** |
| Should work perfectly  Register page | Subject to delivery Test Cases and Bug Reports | 18 hour | 4/22/2023 | 4/24/2023 |
| Should work perfectly  Login page | Subject to delivery Test Cases and Bug Reports | 18 hour | 4/24/2023 | 4/26/2023 |
| Admin user can Add/Delete/Edit Courses | Subject to delivery Test Cases and Bug Reports | 18 hour | 4/26/2023 | 4/28/2023 |
| Non-Admin user can Buy Courses | Subject to delivery Test Cases and Bug Reports | 18 hour | 4/28/2023 | 4/30/2023 |

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