*<Qwallity APP>*

Test Plan

**Release *<1>***

***<28.02.2022> - <14.03.2022>***

VERSION HISTORY

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID & Version #** | **Prepared**  **By** | **Revision**  **Date** | **Approved**  **By** | **Approval**  **Date** | **Reason** |
| unique id | *person name* | *< date>* | *person name* | *<date>* | release number |
| 1 | Lilit Solomonyan | 28.02.2022 | Maria Manukyan |  | 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 <Qwallity App 1 > 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 is a start-up IT company focused on the software quality assurance. The Services of QWALLITY has 4 directions QA Trainings, QA Outsourcing, QA Consulting, Professional Services. The QWALLITY has an educational application (QWALLITY app) for QA courses (<https://dev-qwallity.herokuapp.com/> ).

Users of QWALLITY app can have two roles: Admin and Non-admin roles. Admin users can add, edit and delete courses. Non- Admin users can buy course, replenish account. The application has 7 section in home page (Home, About us, Courses, Exercises, Register and Login). Already logged in page contains following sections Home, About us, Courses, Exercises, My Courses, Non-admin page and Logout.

## Items to be Tested / Not to be Tested

|  |  |  |  |
| --- | --- | --- | --- |
| **Item to Test** | **Test Description** | **Test Date** | **Estimation** |
| Non-admin user account replenishment section | Test the account replenishment function in non-admin user. The Non-admin user should be able to add amount to his account. | 01/03/22 | 5pt |
| Courses section for Non-admin user | Test the courses shown for non-admin user. The courses available for Non-admin user should be visible in Courses section. The Non-admin user should be able to buy courses shown in Courses section | 01/03/22 | 1pt |
| Home page for Admin user | Testing the Home page for Admin user role. The Admin user should see all existing courses and should be able to add a new course. | 02/03/22 | 1 pt |
| Add Course function for Admin user | Testing the Add course function for Admin user role. The Admin user should be able to add Title, Price, Type and Description of courses | 03/03/22 | 3pt |
| Courses section for Admin user | Test the Courses section for Admin user. The Admin user should be able to choose the type | 03/03/22 | 5pt |

## 

## Items to Not be tested

|  |  |
| --- | --- |
| **Item Not to Test** | **Comment** |
| Home page | This section has been tested in previous sprint |
| Registration page | This section has been tested in previous sprint |
| Login page | This section has been tested in previous sprint |
| Weather icon | This section will be tested in the next sprint |

## Test Approach(s)

During this sprint will be done only manual testing in scope of Functional testing. The testing plan is related for one sprint from 28.02.2022 to 14.03.2022. The testing will be done by QA Lilit Solomonyan and approved by Senior QA Maria Manukyan. The prioritization of bugs will be done by assigned BA. The testing process will include test case development, run of all test cases, retesting of fixed bugs and bug report. For test case development will be used Testrail tool, which will also provide test execution result after test runs. For communication between QA and other team members will be used Jira tool, which also will help to record bugs in a systematic way.

## 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 | 01/03/22 |
| *Test Case preparation* | 03/03/22 |
| *Test Case review* | 04/03/22 |
| Manual Testing | 07/03/22 |
| Regression testing(manual) | 09/03/22 |
| Bug report | 13/03/22 |

## 

## Staffing / Training Needs

The test will be done by junior QA Lilit Solomonyan. Before starting testing process QA will need to have short training of Manual test run.

# 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. A cause of delay also can be the fact that there is 43a Public holiday (march 8) which is non-working day.

# Test Environment and infrastructure

## Required Infrastructure

For the testing will be needed <https://dev-qwallity.herokuapp.com/login> environment to be deployed.

# Roles and responsibilities

## Roles and assigned responsibilities

|  |  |
| --- | --- |
| **Role** | **Responsibility** |
| Junior QA | Test case development  Test run  Fixed bug retesting  Bug report |
| Senior QA | Review of test cases  Risk identification and mitigation |

## 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** |
| Test cases development | Test case document | 32 | 01/03/2022 | 04/01/2022 |
| Manual/regression testing | Bug report | 40 | 07/03/2022 | 17/03/2022 |

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