**<QWALLITY APP>**

Test Plan

***<25․01> - <31․01>***

**VERSION HISTORY**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID & Version #** | **Prepared**  **By** | **Revision**  **Date** | **Approved**  **By** | **Approval**  **Date** | **Reason** |
| unique id | *person name* | *< date>* | *person name* | *<date>* | release number |
| 1 | Shushan Hovsepyan | 28/01/2022 | Nelli Krtyan | 29/01/2022 | 4 |
|  |  |  |  |  |  |

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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. For this release QA team will use Manual Testing. This document is targeted to the following reader groups:

**The QA Team**- consists of Junior Tester, QA Lead.

**Management Teams**- consists of Project Manager.

# Test ITEM

## Project description

Http://qwallity4.herokuapp.com/ is an application of QWALLITY start-up IT company which is focused on the software quality assurance.

**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.

## Items to be Tested / Not to be Tested

|  |  |  |  |
| --- | --- | --- | --- |
| **Item to Test** | **Test Description** | **Test Date** | **Estimation** |
| “Login” functionality | Page is for Login to the system. | <01/26/22> | 1pt |
| Registration form | User should register to the system with some validations. | <01/26/22> | 3pt |
| Exercises page | User should be able perform some mathematical operations․ | <01/26/22> | 1pt |
| About us page | Information about start-up company. | <01/26/22> | 1pt |
| “Add Course” functionality | User can add a new course from Home page. | <01/26/22> | 3pt |
| Courses edit/delete functionality | User can edit and delete a course. | <01/26/22> | 5pt |

## Items to Not be tested

|  |  |
| --- | --- |
| **Item Not to Test** | **Comment** |
| Requirements | We haven’t got requirements for this app. |
| Database | Software Tester hasn’t got access to Database. |

## Test Approach(s)

**Manual Testing**- During testing this app, we use Manual testing.

## Test deliverables

| Milestone/Project | Completion/Execution Dates |
| --- | --- |
| Test Case preparation | <26/01/22> |
| Test Case review | <26/01/22> |
| Manual Testing | <26.01-27/01/22> |
| Bug Report | <28/01/22> |
| Test Summary Report | <28/01/22-29/01/22> |

# 

# Roles and responsibilities

## Roles and assigned responsibilities

|  |  |  |
| --- | --- | --- |
| **Name** | **Role** | **Email** |
| Shushan | Software Tester | Shushan.hovsepyan1989@gmail.com |
| Nelli | QA Team Leader |  |

## 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 cases (required set-up, procedures and information).
* Attend testing overviews (if available).

**Test Execution**

* Execute the Test Plans and Matrices.
* Report problems by raising bugs

**Analyze Results**

* Report on successful test spec/matrix completion.
* Verify successful resolution of bug fixes by verifying the contents of the bug reports and rerunning the test where applicable.

# Resource Planning

* **System Resources-** We need http://qwallity2.herokuapp.com/ application. No need for environment setup.
* **Staffing and training needs –**QA specialist needs training for API and DB testing.

# Milestones and schedule

|  |  |  |  |
| --- | --- | --- | --- |
| **Milestone** | **Effort (Person Hour)** | **Start Date** | **End Date** |
| Test Case preparation | 7 | 26/01/2022 | 26/01/2022 |
| Test Case review | 1 | 26/01/2022 | 26/01/2022 |
| Manual Testing | 6 | 27/01/2022 | 27/01/2022 |
| Bug Report | 3 | 28/01/2022 | 28/01/2022 |
| Test Summary Report | 6 | 28/01/2022 | 29/01/2022 |

# Risk and mitigation

|  |  |
| --- | --- |
| **Risk** | **Mitigation Plan** |
| Lack of tester experience and skills. | Discussions with the Team Lead and onboard skilled team member. |
| Absence of DB Testing. | To make testing more effective include a DB tester in the team. |
| Absence of API Testing. | Include an API tester in the team.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. |
| Absence of Performance Testing. | To have already setted environment for Performance Testing and necessary skills for doing that type of testing. |