“Qwallity APP”

Test Plan

Release #1

01.03.2022 - 15.03.2022

VERSION HISTORY

This test plan is the 1st version of describing the scope, approach, resources and shedule of intended QWALLITY apps test activities.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID & Version #** | **Prepared**  **By** | **Revision**  **Date** | **Approved**  **By** | **Approval**  **Date** | **Reason** |
| 001 of Version #01 | Ani Karakhanyan | 01.03.2022 | Nelli Krtyan | 01.03.2022 | #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” 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. They provide services, such as: QA trainings, outsourcing, consulting and other professional services.Here we try to determine the effort needed to validate the quality of the application under test, and to understand the details of testing for people from outside such as developers, business managers, customers.

QWALLITY Workspace applications test environment: <https://dev-qwallity.herokuapp.com/>

The application includes functional pages such as “Home”, “About us”, “Courses”, “Exercises”. It have opportunity to Login/Log out as an admin/non-admin user․ The admin can **Add courses**, **Edit** and **Delete** them. Already those, who wants to use the services, can **Register** as a user, and **Buy** courses **Adding amount** in their account.

|  |  |  |  |
| --- | --- | --- | --- |
| **Item to Test** | **Test Description** | **Test Date** | **Estimation** |
| Registration screen | As a user should be able register to the system by filling according fields with valid data defined by the requirements: Name, Email, Username, Password, Confirm password, and Submit button | 02.03.2022 | 5 pt |
| Login Screen | Should be able login with registered user. The screen contains the “Username” and “Password” fields. After successful login user redirects to Home page with “Welcome /username/” message. After login with not existing user or invalid datas, system shows error message. | 07.03.2022 | 3 pt |
| Home page | For non-admin users: should be visible table of existing courses.  For admin users: ability for adding courses with green “Add course” button | 10.03.2022 | 3 pt |

## Items to Not be tested

|  |  |
| --- | --- |
| **Item Not to Test** | **Comment** |
| Courses page | Admin user can add 2 types of Courses: Fundamental and Advanced. And the user have opportunity Buy them. |
| About us | Informative text about QWALLITY company. |
| Exercises page | Contains Calculator and Black Box functional exercises. |
| My courses page | The courses that have been added are displayed on this page. |
| Account content | As a admin there is ability change role. As a user can Add amount at account. |
| Log out function | Ability to Log out. |
| Weather icon |  |

## Test Approach(s)

**After having test specifications and requirement document we can start testing.**

**At this release for checking the functionality of application QWallityApp we use Manual Testing. Test cases are executed manually by a tester without using any automated tools.** The purpose of it is to identify the critical bugs in the application.

At the end of each day throughout the test execution cycle Bug reports will be shared with Senior QA and QA Lead members. After it they should be prioritized by BA.

And the end of script must submitt Test Summary report.

## 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 | 01.03.2022 |
| Test Case preparation | 02.03.2022 / 07.03.2022 / 10.03.2022 |
| Test Case review | 02.03.2022 / 07.03.2022 / 10.03.2022 |
| Manual Testing | 03.03.2022 / 08.03.2022 / 11.03.2022 |
| Regression Testing (manual) | 05.03.2022 / 09.03.2022 / 12.03.2022 |
| Re-testing | 14.03.2022 |
|  |  |

## 

## Staffing / Training Needs

During the script will need to arrange frequent meetings for ensure that Junior QA has the right understanding of work․

# Risk and mitigation

## Test Risks / Issues

Graphical user interface

Description automatically generated

# Test Environment and infrastructure

## Required Infrastructure

Qwallity workspace applications test environment: <https://dev-qwallity.herokuapp.com/>

# Roles and responsibilities

## Roles and assigned responsibilities

|  |  |
| --- | --- |
| **Role** | **Responsibility** |
| Junior QA Ani | Write and run test cases, make Bug reports |
| Senior QA Maria | Follow to junior QA work, write and run test cases, make Bug reports, Summary report |
| Test Lead Nelli | Manage the QA team and the whole work of this script |
|  |  |
|  |  |
|  |  |
|  |  |

## 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** |
| Requirements review | Requirement document |  | 01.03.2022 | 01.03.2022 |
| Functional testing | Test case specification document |  |  |  |
| Manual testing | Test cases, Bug report, Summary Report |  |  |  |

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