< QWALLITY4 APP>

Test Plan

***<25.01.21> - <25.02.21>***

VERSION HISTOR

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID & Version #** | **Prepared**  **By** | **Revision**  **Date** | **Approved**  **By** | **Approval**  **Date** | **Reason** |
| 1 | Hranush Haroyan | 29-01-2022 | Nelli Krtyan | 29-01-2022 |  |

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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. This document is targeted forQA team and the Management teams.

The testing must be done for [http://qwallity4.herokuapp.com/](http://qwallity2.herokuapp.com/) application.

# Test ITEM

## Project description

“Qwallity4 App” is a start-up IT company, which is focused on the software quality assurance. It`s main goal is to develop the QA field in all regions of Armenia, to train QA specialists for work, to provide practical education on the main types of testing.

## Items to be Tested

|  |  |  |  |
| --- | --- | --- | --- |
| **Item to Test** | **Test Description** | **Test Date** | **Estimation** |
| “Login” page | Check the functionality of the  “Login” page | <01/28/2022> | 1pt |
| “Registration” page | Check the functionality of the “Registration” page | <01/28/2022> | 2pt |
| “Exercises” page | Check the functionality of the “Exercises” page | <01/28/2022> | 2pt |
| “Courses” page | Check the functionality of the “Courses” page | <01/28/2022> | 3pt |
| “About us” page | Check the functionality of the  “About us” page | <01/28/2022> | 1pt |
| “Home” page | Check the functionality of the  “Home” page | <01/28/2022> | 1pt |

## 

## Test Approach(s)

We will use Black box technique for manual testing.

## Test Deliverables

| **Milestone/Project** | **Completion/Execution Dates** |
| --- | --- |
| Requirements Review/Estimation | <01/27/2022> |
| Test Case preparation | <01/28/2022> |
| Test Case review | <01/28/2022> |
| Manual Testing | <01/29/2022> |

## Staffing / Training Needs

English language and skills training is required for testing.

# Risk and mitigation

## Test Risks / Issues

As tester doesn’t have access to Database, it is risk .

# Test Environment and infrastructure

## Required Infrastructure

The required infrastructure for test environment is <http://qwallity4.herokuapp.com/> application.

# Roles and responsibilities

## Roles and assigned responsibilities

|  |  |
| --- | --- |
| **Role** | **Responsibility** |
| Nelli Krtyan- Test Lead | Setup test process, monitor and control. |
| Lilit Aghazaryan- Manual QA | Write and execute tests(write test plans,test cases and etc.) |
| Lusine Babayan- Manual QA | Write and execute tests(write test plans,test cases and etc.) |

## 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/Estimation | 2 | <01/27/2022> | <01/27/2022> |
|  | Test Case preparation | 4 | <01/28/2022> | <01/28/2022> |
|  | Test Case review | 2 | <01/28/2022> | <01/28/2022> |
|  | Manual Testing | 6 | <01/29/2022> | <01/29/2022> |