Qwallity-1

Template

**Release. Qwallity-1**

***06.06.2022 – 06.09.2022***

VERSION HISTORY

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID & Version #** | **Prepared**  **By** | **Revision**  **Date** | **Approved**  **By** | **Approval**  **Date** | **Reason** |
| 1 | Karen Melikyan | *08.06.2022* | *Maria Manukyan* | *09.06.2022* |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

TABLE OF CONTENTS

[1 Introduction 4](#_Toc486519897)

[1.1 Purpose of The Test Plan Document 4](#_Toc486519898)

[2 Test ITEM 4](#_Toc486519899)

[2.1 Project description 4](#_Toc486519900)

[2.2 Items to be Tested / Not Tested 4](#_Toc486519901)

[2.3 Items to be excluded 4](#_Toc486519902)

[2.4 Test Approach(s) 4](#_Toc486519903)

[2.5 Test Deliverables 4](#_Toc486519906)

[2.6 Staffing / Training Needs 5](#_Toc486519908)

[3 Risk and mitigation 5](#_Toc486519909)

[3.1 Test Risks / Issues 5](#_Toc486519910)

[4 Test Environment and infrastructure 5](#_Toc486519911)

[4 Required Infrastructure 5](#_Toc486519912)

[5 Roles and responsibilities 5](#_Toc486519914)

[5.1 Roles and assigned responsibilities 5](#_Toc486519915)

5.2 Test Team Leader………………………………………………………………...7

5.3 Software Tester…………………………………………………………………..8

[6 Test Schedule 8](#_Toc486519916)

[6.1 Milestones and schedule 9](#_Toc486519917)

# Introduction

## Purpose of The Document

The purpose of this document is to communicate the testing approach that the QA team will use for the Qwallity-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

Application for IT courses. Need detailed description

## Items to be Tested / Not to be Tested

|  |  |  |  |
| --- | --- | --- | --- |
| **Item to Test** | **Test Description** | **Test Date** | **Estimation** |
| Login functionality | Test functionality of login for user and administrator | 06/21/2022 | 5pt |
| Registration form | Test functionality of new user registration | 06/21/2022 | 15pt |
| Course adding functionality | For authorized administrator check course adding functionality | 06/22/2022 | 15pt |
| Courses edit/delete functionality | For authorized administrator check course edit and delete functionality | 06/23/2022 | 20pt |

## Items to Not be tested

|  |  |
| --- | --- |
| **Item Not to Test** | **Comment** |
| Database testing | Lack of resources |
| Client-Server | Lack of resources |
| Security testing | Lack of resources |

## Test Approach(s)

Functional (smoke, sanity, integration, system), performance (volume, load, stress), usability (Exploratory, cross browser, accessibility testing,) API testing.

**Scope of GUI Testing** – Home page, registration screen, login screen, edit/delete screen.

**Integration Testing**  - Login, Registration, Courses Add/edit/delete functionality with database.

**Regular Bug Triages** – Business Analyst/Product Owner decides which bugs should improve in sprint scope which bugs should go to backlog. Project Manager, Test Team Leader, Technical Lead, Development Team Leader always take part in Defect Triage Meetings

**Testing Execution and Bug Tracking** –Testing team should prepare test result document, bug reports, retest fixed bugs, track defect to closure, prepare MAP in RTM defects to test cases.

**Bug Severity and Priority Setting.** Priority of bugs will decide Business Analyst, but for severity responsible tester who has found the bug.

**Description of the types of testing done and the testing period for this release** - This shows what a standard testing process looks like.

## 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 | <05/20/2022> |
| *Test Case preparation* | <06/15/2022> |
| *Test Case review* | <06/17/2022> |
| Manual Testing | <06/21/2022> |
| Automation script preparation | <06/24/2022> |
| Automation code review | <06/30/2022> |
| Regression testing(manual+automation) | <07/05/2022> |

## 

## Staffing / Training Needs

*Team needs trainings for working with database.*

# Risk and mitigation

## Test Risks / Issues

# The project schedule is too tight it’s hard to complete this project on time/ Necessary to make test priority for each of the test activity.

# Test Environment and infrastructure

## Required Infrastructure

## Windows 10 Pro, System type 64-bit operating system, x64-based processor Intel(R) Core(TM) i3, RAM 4,00 GB, Google Chrome version 102

# Roles and responsibilities

## Roles and assigned responsibilities

[Describe various roles and responsibilities given to them. E.g. Junior Tester, Senior Tester, Project Manager etc.]

|  |  |
| --- | --- |
| **Role** | **Responsibility** |
| M.Manukyan | Manage the whole project, defines the project direction |
| K.Melikyan | Builds up test cases, generate test suits, execute the tests, log result and report bugs. |
|  |  |

## 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

[Describe the describe key milestones, deliverables, efforts, start date and end date]

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Milestone** | **Deliverable** | **Effort(Person Hour)** | **Start Date** | **End Date** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

# 