*<Qwallity >*

Test Plan

**Release *<01>***

***<01.08.2022> - <21.09.2022>***

# 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 Workspace application 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

The Qwallity Workspace page is a platform designed for IT specialists. As a user one can buy online courses, do some exercises (black box, white box), fill account to buy a course. It is possible to add/edit/delete courses being logged in as an admin.

## Items to be Tested / Not to be Tested

|  |  |  |  |
| --- | --- | --- | --- |
| **Item to Test** | **Test Description** | **Test Date** | **Estimation** |
| User Story # 1 | Login functonality | <17.09.2022> | 1pt |
| User Story # 2 | Buy a course as a user | <17.09.2022> | 5pt |
| User Story # 3 | Add/edit/delete a course as an admin | <18.09.2022> | 5pt |
| User Story # 4 | Calculator functionality | <19.09.2022> | 3pt |
| User Story # 5 | Black box testing exercise | <20.09.2022> | 3pt |
| User Story # 6 | White box testing exercise | <21.09.2022> | 3pt |
| User Story # 7 | View **My courses** | <21.09.2022> | 1pt |
| User Story # 8 | UI design | <22.09.2022> | 1pt |
| User Story # 9 | Check balance/fill account | <23.09.2022> | 10pt |
| User Story # 10 | Security test for account balance | <24.09.2022> | 10pt |
| User Story # 11 | Performance test | <28.09.2022> | 5pt |

## Test Approach(s)

**Functional testing-** Functional testing will be performed to check the functions of application.

**Testing and Traceability** – The tester should provide proper test case documentation and bug report to assure that he/she have implemented a systematic testing approach.

**Integration Testing** - Check the balance after filling the account and after buying a course.

**Bug Severity and Priority Setting** – bugs should be clearly classified to minimize ambiguity and ensure everyone has a common understanding.

**Functional test**ing Use functional testing techniques to check exercises section.

**Non functional testing**- to check performance and security of the application

## Test Deliverables

| Milestone/Project | Completion/Execution Dates |
| --- | --- |
| Requirements Review/Estimation | <08/08/2022> |
| *Test Case preparation* | <08/20/2022> |
| *Test Case review* | <08/25/2022> |
| Manual Testing | <09/19/2022> |
| Regression testing(manual+automation) | <09/21/2022> |

## 

## Staffing / Training Needs

The QA staff should be trained for automation testing.

# Risk and mitigation

## Test Risks / Issues

# Not enough resources- hire a tester

# Natural disaster. - Force major point in the contract

# Tight Schedule- work on holidays

# Test Environment and infrastructure

## Required Infrastructure

# A windows environment with Internet Explorer 8, 9 and 10, Google Chrome32.0 should be available to the tester.

## Roles and assigned responsibilities

|  |  |
| --- | --- |
| **Role** | **Responsibility** |
| Junior tester | Black box testing |
| Security testing |
| Performance testing |
| Testing documents presentation |

# Test Schedule

## Milestones and schedule

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Milestone** | **Deliverable** | **Effort(Person Hour)** | **Start Date** | **End Date** |
| *Requirements Review/Estimation* | Requirement Specification Document | 35h | 01.08.2022 | 08.08.2022 |
| *Test Case preparation* | Test Case Document | 60h | 09.08.2022 | 20.08.2022 |
| *Test Case review* | Reviewed Test case Document | 8h | 21.08.2022 | 25.08.2022 |
| Manual Testing | Test summary report | 80h | 26.08.2022 | 19.09.2022 |
| Regression testing(manual+automation) | Regresson test report | 8h | 20.09.2022 | 21.09.2022 |