*<QWALLIty>*

Test Plan

**Release *<R1>***

***<15.07.2022> - <18.10.2022>***

VERSION HISTORY

| **ID & Version #** | **Prepared**  **By** | **Revision**  **Date** | **Approved**  **By** | **Approval**  **Date** | **Reason** |
| --- | --- | --- | --- | --- | --- |
| 1 | *Mkrtchyan Jemma* | *< 01.08.2022>* | *Ani Movsisyan* | *<01.09.2022>* | Revision done, because the requirement changed. |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

TABLE OF CONTENTS

[**1**](#_heading=h.3znysh7) **Introduction 4**

[1.1](#_heading=h.2et92p0) Purpose of The Test Plan Document 4

[**2**](#_heading=h.tyjcwt) **Test ITEM 4**

[2.1](#_heading=h.3dy6vkm) Project description 4

[2.2](#_heading=h.1t3h5sf) Items to be Tested / Not Tested 5

[2.3](#_heading=h.4d34og8) Items to be excluded 5

[2.4](#_heading=h.2s8eyo1) Test Approach(s) 5

[2.5](#_heading=h.17dp8vu) Test Deliverables 5

[2.6](#_heading=h.3rdcrjn) Staffing / Training Needs 5

[**3**](#_heading=h.26in1rg) **Risk and mitigation 6**

[3.1](#_heading=h.lnxbz9) Test Risks / Issues 6

[**4**](#_heading=h.35nkun2) **Test Environment and infrastructure 6**

[4](#_heading=h.1ksv4uv) Required Infrastructure 6

[**5**](#_heading=h.44sinio) **Roles and responsibilities 7**

[5.1 Roles and assigned responsibilities 7](#_heading=h.2jxsxqh)

[**6**](#_heading=h.1y810tw) **Test Schedule 8**

[6.1](#_heading=h.4i7ojhp) Milestones and schedule 8

# 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> R1 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. The company was established in 2021. The idea of starting the company is based on the various gaps discovered in the field of software quality assurance over the years.

## Items to be Tested / Not to be Tested

| **Item to Test** | **Test Description** | **Test Date** | **Estimation** |
| --- | --- | --- | --- |
| Login | We need to test the login functionality | <01/08/22> | 5pt |
| Registration | We need to test the “Registration” functionality with some validations | <10/08/22> | 8pt |
| Add new course | We need to test “Add new course” functionality with some validations. | <25/08/22> | 8pt |

## Items to Not be tested

| **Item Not to Test** | **Comment** |
| --- | --- |
| Edit/delete courses | We don’t test this functionality |
|  |  |
|  |  |

## Test Approach(s)

**Automated Testing Approach** – We don’t use automation testing.

**Scope of GUI Testing** – We do manual testing. We will test the grammar, size of the fields, buttons, error messages.

**Integration Testing**  - We don’t need integration testing in this scope.

**Testing Execution and Bug Tracking** – We do functional testing, write test cases in TestRaill and open bugs in Jira.

**Bug Severity and Priority Setting** – Bug Severity must be set by QA specialist, we have the following options: critical, blocking, high, medium, low. Priority must be set by Product Owner or QA Manager with the following options: high, medium, low.

**Description of the types of testing done and the testing period for this release** - ????

## 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 | <01/08/2022> |
| Test Case preparation | <10/08/2022> |
| Test Case review | <12/08/2022> |
| Manual Testing | <20/08/2022> |
| Regression testing(manual+automation) | <22/08/2022> |

## 

## Staffing / Training Needs

We must have review meetings which they must attend 1 Junior QA Specialist, 2 Middle QA Specialists, 2 Senior QA Specialists.

# Risk and mitigation

# 

## Test Risks / Issues

3.1.1. Short time

* solve this problem by foreseeing a little bit more time in the Test Plan.
* always follow the schedule, and be more responsible.

3.1.2. Budget

3.1.3. Tester skills

* hire a new employee
* train the QA specialists
* hire a Senior QA specialist

3.1 4. Software developers skills

* hire a new employee

# Test Environment and infrastructure

## Required Infrastructure

Testing should be done in following environments:

* Development
* Pre-Production

Required Infrastructures:

* Qwallity Dev

# 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** |
| --- | --- |
| Team Lead | * 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. |
| Senior QA Specialist | * 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). |
| Junior QA Specialist | * Execute and run test cases * Write bug reports in Jira |

# Test Schedule

## Milestones and schedule

| **Milestone** | **Deliverable** | **Effort(Person Hour)** | **Start Date** | **End Date** |
| --- | --- | --- | --- | --- |
| Test the project | Test cases | 24 | 07/08/2022 | 10/08/2022 |
| Test the project | Bug reports | 16 | 22/08/2022 | 24/08/2022 |
|  |  |  |  |  |

# 