

<Qwallity app >  
  
https://qwallity-dev.onrender.com/

Test Plan

**Release <1.0>**

**<27.02.23> - <01.03.23>**

VERSION HISTORY

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID & Version #** | **Prepared**  **By** | **Revision**  **Date** | **Approved**  **By** | **Approval**  **Date** | **Reason** |
| 1.0 | Lida Hovakimyan | 27.02.23 | Ani Movsisyan | 27.02.23 | 1.0 |

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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 1.0> release. This document will communicate internally the process used and the scope of the testing and will provide a clear understanding of the testing approach to all external teams.

# Test ITEM

## Project description

<Qwallity> app is a platform developed to enable students to buy various trainings, as well as give a chance to people to create new training courses. It contains different functionalities such as course selection, course creation, as well as calculations and exercises.

## Items to be Tested

|  |  |  |  |
| --- | --- | --- | --- |
| **Item to Test** | **Test Description** | **Test Date** | **Estimation** |
| Requirement specifications | The requirements should be well defined and comprehensible |  | 1pt |
| “Registration” | The user should be able to register in the system | <27/02/23> | 5pt |
| “Login” | The user should be able to log into the | <27/02/23> | 5pt |
| “Forgot password” | The user should be able to restore the password when needed | <27/02/23> | 1pt |
| “Buy course” | The user should be able to buy a course | <27/02/23> | 5pt |
| “Add course” | The user should be able to add a course | <27/02/23> | 3pt |
| “Exercises” | The user should be able to do the exercises provided in the app | <27/02/23> | 5pt |
| “Calculator” | The user should be able to do calculations via the “Calculator” tool | <27/02/23> | 1pt |

# Items to Not be tested

|  |  |
| --- | --- |
| **Item Not to Test** | **Comment** |
| Home | This is the main page of the website |
| About us | The page provides information about the company |
| Amount/account balance |  |

## 

## Test Approach(s)

TestRail and the Jira Software tools will be used in order to manage, track, and organize software testing efforts, as well asfor making teams plan, assign, track, report, and manage work. Manual testing will be implemented with;

Black Box Techniques like

• Boundary Value Analysis

• Equivalence partitioning

• Decision Table Testing

Within this testing scopes will be used the following test approaches

• Manual testing

• UI testing

• Functional testing

• Non functional testing

• Security testing

• Performance testing

Ad-hoc testing.

## Entry Criteria

The document containing functional and non-functional requirements should be available

The acceptance criteria should be defined

## Exit Criteria

The planned tests are executed

Bugs are detected and tracked to closure

The results of the test should meet 95% of the requirements for testing to be considered successful  
If not:

The Development team has to do bug fixing

The QA team has to do re-testing

## 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 | <27/02/23> |
| Test Case preparation | <27/02/23> |
| Test Case review | <28/02/23> |
| Manual Testing | <28/02/23> |
| Regression testing | <01/03/23> |

* 1. **Staffing / Training Needs**

In case of Automation testing needs the staff should be trained accordingly to meet the final result expectations

# Risk and mitigation

## Test Risks / Issues

|  |  |
| --- | --- |
| **Risk** | **Mitigation** |
| Lack of experience in the team | Involve more experienced team members or organize trainings |
| Frequent changes in requirements | Involve more team members |
| Strict deadlines | Set priorities, test the key functionalities |

# Test Environment

## Required Infrastructure

# The testing process will be carried out in the following environment: <https://qwallity-dev.onrender.com/?fbclid=IwAR3R1jAQW_w8XvzbElvspi8kmpqcm-oXwmXrFKrCvcKEX6XZWkcaT-Eka3U>

# 5. ROLES AND RESPONSIBILITIES

|  |  |
| --- | --- |
| **Role** | **Responsibility** |
| QA | Carry out manual testing |
| QA team lead | Supervising testing processes |
| PM | Supervising the project |
|  |  |

# Test schedule

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Milestones | Deliverables | Effort (person/hour) | Start date | End date |
| Requirements review/estimation | Read/understand requirements/expectations | 2h | 27.02 | 27.02 |
| Test case preparation |  | 1h | 27.02 | 27.02 |
| Test case review |  | 1h | 27.02 | 27.02 |
| Manual test execution |  | 3h | 28.02 | 28.02 |
| Test case execution quantity | 2x | 3h | 01.03 | 01.03 |
| Report the defect | Bug reports | 2h | 01.03 | 01.03 |
| Brainstorming |  | 1h |  |  |
| Platforms | Google chrome | 2h |  |  |
| Total |  | 16 h +buffer zone 1h = 17 h | | |