**<qwality application>**

[http://qwallity4.herokuapp.com/](http://qwallity2.herokuapp.com/)

***Test Plan***

**VERSION HISTORY**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ID & Version  # | Prepared  By | Revision  Date | Approved  By | Approval  Date | Reason |
| #1 | Haykanush Grigoryan | 27/01/2022 | Nelli Krtyan | 29/01/2022 | 4 |

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**1.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 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.

**1.1 Project description**

QWALLITY is a IT company focused on 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.

QWALLITY has 4 directions (QA Trainings , QA Outsourcing QA Consulting Professional Services)

**2. Items to be Tested**

|  |  |  |  |
| --- | --- | --- | --- |
| **Item to Test** | **Test Description** | **Test Date** | **Estimation** |
| # 1Registration form | user must be able to register successfully | 27/01/2022 | 3pt |
| # 2Login functionality | the registered user must be able to log in successfully | 27/01/2022 | 1pt |
| #3Home ( Course adding functionality) | the user must be able to add any course he wants | 27/01/2022 | 1pt |
| #4Courses | must be able to delete or add in the course section | 27/01/2022 | 1pth |
| #5Exercices | Calculator must work correctly | 27/01/2022 | 3pt |
| #6 About us | details must be written about the site | 27/01/2022 | 1pt |

**2.1**

|  |  |
| --- | --- |
| **Item to Test** | **Effort(Person Hour)** |
| Registration form | 1 hour |
| Login functionality | 30m. |
| Home, Course adding functionality | 20m. |
| Courses edit/delete functionality | 30m. |
| Exercices | 1hour |
| About us | 10m. |
| Total | 3 hours 30 m |

**3.Test Approach(s)**

The objective of functional testing is to make sure that the whole software product works according to the requirements, and no significant errors appear in the application. Functional testing is the most substantial part of software testing. It involves checking different aspects of the system. A software product must pass all the planned tests. Only in this case its quality can be assured.

**Manual testing will be performed. (environment** [http://qwallity4.herokuapp.com/](http://qwallity2.herokuapp.com/))

Functional Testing

UI Testing

Positive and negative tests should be written

Security tests for individual sections.

**4.Test Deliverables**

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| **Milestone/Project** | **Completion/Execution Dates** |
| --- | --- |
| Requirements Review/Estimation | 26/01/2022 |
| Test Case preparation | 27/01/2022 |
| Test Case review | 29/01/2022 |
| Test execution | 30/01/2022 |
| Bug report | 31/01/2022 |

**5.Resources**

|  |  |
| --- | --- |
| **Name of process** | **Tool** |
| Defect Tracking | Jira |
| Test Case | Testrail |
|  |  |

**5.1 Training Needs**

Quality Assurance Specialists Need Training for API and database testing

**6.Test Risks / Issues**

Delays in correcting/fixing errors; (unpredictable cases)

Non-functional testing will not be performed

*Trainings can be organized in this regard*

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**7.Responsibilities**

|  |  |  |
| --- | --- | --- |
| Name | Role | Number phone |
| Haykanush Grigoryan | QA engineer | 077038212 |
| Narek Mkrtchyan | Team Leader | 077196104 |

**Team Leader**

The QA Team Leader is responsible for the following:

**Team Management - Planning Tasks**

* Define a detailed Test schedule for the 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 QA engineer roles.

## **QA engineer**

The software tester reports to the QA Team Leader/Manager and is responsible for writing and executing manual The QA engineer'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).

**8.Test Schedule**

**Milestones and schedule**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Milestone** | **Deliverable** | **Effort(Person Hour)** | **Start Date** | **End Date** |
|  | Requirements Review/Estimation | 3 | 26/01/2022 | 26/01/20222 |
|  | Test Case preparation | 3hours 30m | 27//01/2022 | 29/01/2022 |
|  | Test Case review | 2 | 29/01/2022 | 29/01/2022 |
|  | Manual Testing | 5 | 31/01/2022 | 31/01/2022 |
|  | Regression testing (manual) | 4 | 1/02/2022 | 1/02/2022 |

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Good Test Plan, like it 😊