***<***qwallity2***>***

**Test Plan**

**Release *<1>***

***<20.04.2021> - <30.05.2021>***

**VERSION HISTORY**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID & Version #** | **Prepared**  **By** | **Revision**  **Date** | **Approved**  **By** | **Approval**  **Date** | **Reason** |
| 1 | *Mariam Avetisyan* | *22.04. 2021* | *Nelli Krtyan* | *25.05.2021* |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

**1. Introduction:**

**1.1 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 <qwallity2> 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.

**2.Test ITEM**

**2.1 Project description**

The application is designed to view existing courses as well as add new ones. There are several modules like Registration, Login, Add Course, which are integrated to fulfill the purpose, as well Home, About us, Courses Pages.

**2.2 Items to be Tested**

Functional Testing for the following modules are in Scope of Testing

* Register
* Login
* Add Course
* And UI /non-functional

**2.3 Items Not to be Tested** “DB” isn’t tested, as we don't have access to Database

**2.4 Test Approach(s)**

We use Agile Methodology in this project scope. We implement Manual and Automation testing (Smoke, Regression testing/ with following automation testing tools Selenium, Katalon Studio.

**2.5 Test Deliverables**

|  |  |
| --- | --- |
| **Document** | **Submission Time** |
| Test Cases | Test Cases will be presented at the test design stage. |
| Bug Report | Bug Report will be presented the end of each day: test execution throughout the cycle |
| Test Summary Report | The Test Summary Report will be submitted at the end of the test. |

**2.6 Staffing / Training Needs**

We need 2 QAs: 1 Automation, 1 Manual

For the smooth implementation of the project our team members need to pass training Courses of Security Testing

**3. Risk and mitigation**

API Testing isn't done for this application, because we don’t have Documentation and API calls.

Performance Testing isn't done for this application because we do not have a qualified specialist.

We are planning integrate a skilled team member or organize for our staff to take

"Performance" courses.

**4. Test Environment and infrastructure**

<http://qwallity2.herokuapp.com/>

Windows/Linux MacOS

**5. Roles and responsibilities**

|  |  |  |
| --- | --- | --- |
| **Name** | **Role** | **Responsibility** |
| Gayane | Manual QA | Must test Registration and Login page and make Bug Reports. |
| Marine | Automation QA | Must implement Smoke and Regression testing for application and make Bug Reports. |

**5.1 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.
* Assign tasks to various team members.
* Identify training requirements.
* Identify support requirements.
* Interview candidates to fulfill the various Software Tester roles.

## Software Tester

The software tester is responsible for writing and executing manual and automated tests. The Software Tester's responsibilities include:

* Write test scripts that are easy to maintain.
* Write test cases
* Run the automated and manual tests.
* Report bugs
* Follow up on bugs previously submitted
* 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.

**6. Test Schedule**

To Finish test we need 2 QA and 170 hours.