*<qwallity app>*

Test Plan Template

**Release *<20 days>***

***<01.04.2022> - <21.04.2022>***

VERSION HISTORY

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID & Version #** | **Prepared**  **By** | **Revision**  **Date** | **Approved**  **By** | **Approval**  **Date** | **Reason** |
| unique id | *person name* | *< date>* | *person name* | *<date>* | release number |
| 1 | Susanna Ayvazyan | 01.04.2022 | Maria Manukyan | 04.04.2022 |  |
|  |  |  |  |  |  |

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# Introduction

## Purpose of The Test Plan Document

This test plan for Qwallity app testing supports the following objectives:

1.to find out the tools to be used throughout the testing process

2.to communicate to the responsible parties the items to be tested and not to be tested,discussions about schedule,risks and define environmental needs.

3.to define how the tests will be conducted

# Test ITEM

## Project description

This is a website of start up IT company (focused on the software quallity assurance ) that let the customer to add some courses,buy them and edit.The system should be tested in the Chrome,Firefox,Safari.The system should be tested on both a Windows and Mac machine

## Items to be Tested / Not to be Tested

|  |  |  |  |
| --- | --- | --- | --- |
| **Item to Test** | **Test Description** | **Test Date** | **Estimation** |
| Login functionallity # 1 | As a user,Logging into the website as a user | 01.04.2022 | 1pt |
| Registration form  # 2 | As a user,User should register to the system with some validations | 01.04.2022 | 3pt |
| Course adding funcionallity#3 | As a user,User can add course with Fundamental and Advande course types | 01.04.2022 | 3pt |
| Courses etit/delete functionality#4 | As a user.User can edit or delete existing courses | 01.04.2022 | 5pt |
| Add content functioannlity#5 | As an admin,Admin can add content to all pages | 01.04.2022 | 5pt |
| Add pages functionality#6 | As an admin.Admin can add pages without restictions | 01.04.2022 | 5pt |
| Full ascess to everything#7 | As an admin.Admin can have full acsess to admin settings | 01.04.2022 | 5pt |

## Items to Not be tested

|  |  |
| --- | --- |
| **Item Not to Test** | **Comment** |
| Task1 | Mobile purchasing through a mobile device will not be tested.Only desktop web browser functionality will be tested |

## Test Approach(s)

**Testing Approach** – Manual testing will be done on the QWALLITY application. Manual testing will be done.

**Testing and Traceability** – Test cases should be designed according to the application and bug reports will be created and represented to developer’s team. As a final documentation, QA team should deliver Summary report, which will cover all the necessary points of implemented testing.

**Scope of GUI Testing** – Each part of the GUI will be tested.

**Regular Bug Triages** – QA Lead is responsible for ensuring that bugs are being prioritized on a regular basis, QA, DEV, BA.

**Testing Execution and Bug Tracking** – Testing team keeps track of their testing progress by delivering test cases and corresponding bugs on time.

**Bug Severity and Priority Setting** – The severity and priority setting of bugs should be clearly defined by QA and DEV team in order to minimize.

**Description of the types of testing done and the testing period for this release** – System testing should be done. Testing period for the release consists of 20 working days..

## 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 | <01.04.22> |
| *Test Case preparation* | <02/04/22 |
| *Test Case review* | <04/04/22> |
| Manual Testing | <07/04/22> |
| Automation script preparation | <10/04/22> |
| Automation code review | <15/04/22> |
| Regression testing(manual+automation) | <20/04/22> |

## 

## Staffing / Training Needs

Testing should be done by two testers.Both testers should conduct testing on each system.The testers should have knowladge of test levels,deep knowledge about types of test cases and it's preferable to have some knowladges about automation testing and White box.

# Risk and mitigation

## Test Risks / Issues

### If the first round of testing is not completed within two weeks it could delay bug fixes and final testing.If the testers don't have a basic understanding in white box techniques platform,testing could be delayed or not conducted properly.

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# Test Environment and infrastructure

## Required Infrastructure

The test site must be populated with test data including a varity of courses with different prices and different functionallities.Dev environment should be enabled for user platform.

# Roles and responsibilities

## Roles and assigned responsibilities

|  |  |
| --- | --- |
| **Role** | **Responsibility** |
| Project manager | Risk analys,test estimation,test planning,test organization,tesr monitoring and control,issues management,test report, |
| Senior tester | Test estimation,test planning,test monitoring and control,bug report |
| Junior tester | Test estimation,test planning, test monitoring and control,bug report |

## 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.
* Identify training requirements.
* Identify support requirements.
* Interview candidates to fulfill the various Software Tester roles.

**Team Management - Daily Tasks**

* Define QA tasks to be performed.
* Resolve management issues involving QA and the development team.
* Track ongoing QA preparation and execution tasks in a schedule tool.
* Manage the QA Team (motivation, assessment, and orientation of new members).

**Team Management - Weekly Tasks**

* Assign tasks to various team members.
* Attend applicable management meetings for the purpose of providing QA's approval of all change requests (when applicable).
* Chairs the team status meetings.

**Team Management – Ad hoc Tasks**

* Manage testing of software fixes during the Beta, Final and Regression phases of Testing.
* Identify potential testing roadblocks.
* Write performance reviews of testers.

**Team Management - Deliverables**

* Ensure quality, timeliness of the various testing deliverables as identified in this Strategy document.
* Provide comments as the internal testing reviewers for the development deliverables (Functional Specs, design docs, etc.).

## Software Tester

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

**Independent Verification of Test Specs/Matrices and Scripts**

* Provide Test Plans/Matrices and Scripts for review by peers, development and marketing representatives.
* Incorporate review comments into Test Plans/Matrices and Scripts.
* Conduct peer reviews Test Plans/Matrices and Scripts.

**Test Execution**

* Execute the Test Plans and Matrices.
* Run the automated tests.
* Report problems by raising bugs in Siebel.
* Follow up on bugs previously submitted in Siebel.

**Analyze Results**

* Report on successful test spec/matrix completion.
* 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.
* Identify issues that should be documented in the Readme/Release Notes.

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