*<Project Name>*

Test Plan Template

**Release *<Number>***

***<start date> - <end date>***

VERSION HISTORY

[Provide information on how the development and distribution of the **Test Plan**, up to the final point of approval, was controlled and tracked. Use the table below to provide the version number, the author preparing the version, the date of the version, the name of the person approving the version, the date that particular version was approved, and a brief description of the reason for creating the revised version.]

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID & Version #** | **Prepared**  **By** | **Revision**  **Date** | **Approved**  **By** | **Approval**  **Date** | **Reason** |
| 0.1 | *Galoyan Mariam* | *10/20/2023* | *Gohar Khachatrian* | *10/20/2023* |  |
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# Introduction

## Purpose of The Test Plan Document

At the testing stage of the Qwallity Application given to us, the QA team and I must consider the functionality and all sorts of actions to improve the quality of the Qwallity Application and the external user appearance

**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

User stories for Qwallity Application Functionality

## Items to be Tested / Not to be Tested

We need to check the functionality:

1.Add/Edit/Delete/View Course

2.Home page

3.Develop Login page

4. Profile page

5.Account Balance

6. Develop Registration page

|  |  |  |  |
| --- | --- | --- | --- |
| **Item to Test** | **Test Description** | **Test Date** | **Estimation** |
| Add/Edit/Delete/View Course | **Начало формы**  Admin want to be able add new course, edit or delete.  Both user groups - admin and non admin can view all courses.  Конец формы | 10/20/2023 | 12pt |
| Home page | Admin want to be redirected to Home page after successful login. | 10/20/2023 | 5pt |
| Develop Login page | User want to be able login with a registered user. | 11/20/2023 | 5pt |
| Profile page | ***User(admin/non admin) logins to the system*** | 11/20/2023 | 12pt |
| Account Balance | User want to see my Account Balance and refill it by cash or credit card | 11/20/2023 | 8pt |
| Develop Registration page | User want to be able register to the system, so that he can view information about online courses | 11/20/2023 | 10pt |

## Items to Not be tested

|  |  |
| --- | --- |
| **Item Not to Test** | **Comment** |
| Weather |  |
| Task2 | Some comment |
|  |  |

## Test Approach(s)

[Strategy to test the software. Includes types of tests and how to test. Functional, performance, security testing using combined [manual + automation], manual only, automation only approach.]

This section describes the methodology used by the QA team. Some examples of subsections are as follows:

**Automated Testing Approach** – What types of automated tests will be done on this product, what is the automated testing tool to be used, where will the automated tests be documented, etc.

**Testing and Traceability** – How will you ensure that you have implemented a systematic testing approach, what testing documents are traceable back to development documents, etc.

**Scope of GUI Testing** – What parts of the GUI will be tested, will it be automated, etc.

**Integration Testing**  - Is there an integration component to the product in question, what are some of the integration challenges that need to be overcome.

**Regular Bug Triages** – Who is responsible for ensure that bugs are being prioritized on a regular basis, which QA, DEV, BA and Document Writer representatives are taking part in the regular bug reviews.

**Testing Execution and Bug Tracking** – How will the testing team keep track of their testing progress?

**Bug Severity and Priority Setting** – where are these defined clearly in order to minimize ambiguity and ensure everyone has a common understanding.

**Description of the types of testing done and the testing period for this release** - This shows what a standard testing process looks like.

## 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 | <09/21/2023> |
| *Test Case preparation* | <09/26/2023> |
| *Test Case review* | <10/08/2023> |
| Manual Testing | <10/12/2023> |
| Automation script preparation |  |
| Automation code review |  |
| Regression testing(manual+automation) |  |

## 

## Staffing / Training Needs

Staffing, Skills Training, Communication and Collaboration

Staff: BA, PM, Dev team, QA team

# Risk and mitigation : Risk Identification, Risk Analysis,

## Test Risks / Issues

# Resource Constraints, Data Availability, Time Constraints,

# Test Environment and infrastructure

## Required Infrastructure

[ dev environment]

Hardware:

● Physical or virtual servers may be required for the application and databases

● Computers for testers to execute tests, debug issues, and perform other testing-related tasks.

Software:

● Operating Systems: The test environment needs to replicate the target production environment. This may involve various operating systems (Windows, Linux, macOS).

● Database Systems: If the application relies on a database, the test environment should include the necessary database management systems (e.g., MySQL, PostgreSQL, Oracle).

● Testing Tools: Tools for testing, performance testing, and other specialized testing activities (e.g., JIRA, Zephyscale, Jmeter, Postman).

# 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** |
| Junior Tester | Junior testers assist in executing test cases, documenting test results, and reporting defects |
| Senior Tester | Senior testers have extensive experience in testing and are responsible for designing test cases, executing complex test scenarios, and analyzing test results |
| Project Manager | The project manager is responsible for overseeing the entire testing process |
| Business Analyst | The business analyst collaborates with the testing team to understand the business requirements and translate them into testable scenarios |
| Development Team | The development team works closely with the testing team to address defects and issues identified during testing |

## 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.

# Test Schedule

## Milestones and schedule

[Describe the describe key milestones, deliverables, efforts, start date and end date]

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Milestone** | **Deliverable** | **Effort(Person Hour)** | **Start Date** | **End Date** |
|  |  |  |  |  |
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