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Template

**Release*<100>***

***<10.10.2021> - <29.10.2021>***

VERSION HISTORY

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID &Version #** | **Prepared**  **By** | **Revision**  **Date** | **Approved**  **By** | **Approval**  **Date** | **Reason** |
| Id-7 | *Liana Stepanyan-QA* | *<10/10/21>* | *Maria Manukyan-QA Team Lead* | *<10/28/21>* | release 100- Change Login functionality for previous version |
| Id-7 | *Liana Stepanyan-QA* | <10/10/21> | *Maria Manukyan-QA Team Lead* | <10/28/21> | Release 100- Change Register functionality for previous version |
|  |  |  |  |  |  |

TABLE OF CONTENTS

[1 Introduction 4](#_Toc486519897)

[1.1 Purpose of The Test Plan Document 4](#_Toc486519898)

[2 Test ITEM 4](#_Toc486519899)

[2.1 Project description 4](#_Toc486519900)

[2.2 Items to be Tested / Not Tested 4](#_Toc486519901)

[2.3 Items to be excluded 4](#_Toc486519902)

[2.4 Test Approach(s) 4](#_Toc486519903)

[2.5 Test Deliverables 5](#_Toc486519906)

[2.6 Staffing / Training Needs 5](#_Toc486519908)

[3 Risk and mitigation 5](#_Toc486519909)

[3.1 Test Risks / Issues](#_Toc486519910) 5

[4 Test Environment and infrastructure](#_Toc486519911) 5

[4 Required Infrastructure 5](#_Toc486519912)

[5 Roles and responsibilities 6](#_Toc486519914)

[5.1Roles and assigned responsibilities 6](#_Toc486519915)

5.2 Test Team Leader………………………………………………………………...6

5.3 Software Tester…………………………………………………………………..7

[6 Test Schedule 8](#_Toc486519916)

[6.1 Milestones and schedule](#_Toc486519917) 8

# Introduction

## Purpose of The Document

The purpose of this document is to communicate the testing approach that the QA team will use for the <Qwallity Web Page> 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.

# Test ITEM

## Project description

The test plan is prepared for <<Qwallity Web Page>> to identify the items to be tested, the features to be tested, the types of testing to be performed, the personnel responsible for testing, the resources and schedule required to complete testing, and the risks associated with the plan.

## Items to be Tested / Not to be Tested

|  |  |  |  |
| --- | --- | --- | --- |
| **Item to Test** | **Test Description** | **Test Date** | **Estimation** |
| User Story # 1 | Register functionality | <10/14/21> | 13pt |
| User Story # 2 | Login functionality | <10/21/21> | 5pt |

## Items to Not be tested

|  |  |
| --- | --- |
| **Item Not to Test** | **Comment** |
| Task1 | Insert new course functionality |
| Task2 | Delete button’s functionality |
|  |  |

## Test Approach(s)

* **Automated Testing** – **<<Subject7>>**
* **Black Box Testing**
* **Grey box Testing**
* **Equivalence and Boundary 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 | <10/11/21> |
| *Test Case preparation* | <10/12/21> |
| *Test Case review* | <10/13/21> |
| Manual Testing | <10/14/21> |
| Automation script preparation | <10/21/21> |
| Automation code review | <10/25/21> |
| Regression testing(manual+automation) | <10/27/21> |

## 

## Staffing / Training Needs

During <<Qwallity Web page>> testing period our stuff of automation need to have one more training concerning to <<Subject7>>tool.

# Risk and mitigation

## Test Risks / Issues

Business risk-it involves an external entity.( It may come from your company, your customer but not from your project.)

Product risk- it is the possibility that the system or software might fail to satisfy or fulfill the expectation of the customer, user or stakeholder.

# Test Environment and infrastructure

## Required Infrastructure

* Windows 8 and above
* Office 2013 and above
* MS Exchange, etc.

# Roles and responsibilities

## Roles and assigned responsibilities

|  |  |
| --- | --- |
| **Role** | **Responsibility** |
| Test Manager | * Manage the whole project * Define project directions * Acquire appropriate resources |
| Test | * Identifying and describing appropriate test techniques/tools/automation architecture * Verify and assess the Test Approach * Execute the tests, Log results, Report the defects. * Outsourced members |
| Developer in Test | Implement the test cases, test program, test suite etc. |
| Test Administrator | * Builds up and ensures test environment and assets are managed and maintained * Support Tester to use the test environment for test execution |
| SQA members | Check to confirm whether the testing process is meeting specified requirements |

## 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 – Adhoc 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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Milestone** | **Deliverable** | **Effort(Person Hour)** | **Start Date** | **End Date** |
| **Create the test specification** | Test Designer | 150 man-hour | 10/12/21 | 10/14/21 |
| **Perform Test Execution** | Tester, Test Administrator | 90 man-hour | 10/14/21 | 10/27/21 |
| **Test Report** | Tester | 10 man-hour | 10/27/21 | 10/28/21 |
| **Test Delivery** |  | 20 man-hour | 10/28/21 | 10/29/21 |
| **Total** |  | 270 man-hour | 10/28/21 | 10/29/21 |