TEST PLAN

<<Project X>

Version History

|  |  |  |  |
| --- | --- | --- | --- |
| **Document Author:** | **Document Version:** | **Revised Date:** | **Approved By:** |
| Md. Bashir Ahmed | 1.0 | July 12, 2021 |  |
|  |  |  |  |

Table of contents

[INTRODUCTION 3](#_TOC_250006)

1. [TEST STRATEGY 3](#_TOC_250005)
   1. [Scope of Testing 3](#_bookmark0)
   2. [Risk and Issues 3](#_TOC_250004)
   3. [Test Logistics 4](#_bookmark1)
      1. [Who will test?](#_bookmark2) 4
      2. [When will the test occur?](#_bookmark3) 4
2. [TEST OBJECTIVE 4](#_TOC_250003)
3. [TEST CRITERIA](#_bookmark4) 4
   1. [Suspension Criteria](#_bookmark5) 4
   2. [Exit Criteria](#_bookmark6) 4
4. [RESOURCE PLANNING 5](#_TOC_250002)
   1. [Human Resource](#_bookmark7) 5
5. [TEST ENVIRONMENT 5](#_bookmark8)
6. [SCHEDULE & ESTIMATION 5](#_TOC_250001)
7. [TEST DELIVERABLES 6](#_TOC_250000)
   1. [Before testing phase](#_bookmark9) 6
   2. [During the testing 6](#_bookmark10)
   3. [After the testing cycle is over](#_bookmark11) 6

# Introduction

The Test Plan is designed to prescribe the scope, approach, resources, and schedule of all testing activities on the “Username” field of “Registration” form of project X.

The plan 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.

# TEST STRATEGY

## Scope of Testing

Only the “Username” field of the “Registration” form is to be tested.

* + 1. In Scope
       - Functional Testing
       - Black Box Testing
       - UI Testing
       - Load Testing
    2. Out of Scope
       - API
       - DB

## Risk and Issues

|  |  |
| --- | --- |
| **Risk** | **Mitigation** |
| Team members lack the required skills for testing. | Plan training course to skill up your members |
| The project schedule is too tight; it's hard to complete this project on time | Set Test Priority for each of the test activity. |
| A lack of cooperation negatively affects your employees' productivity | Encourage each team member in his task, and inspire him or her to greater efforts. |

## Test Logistics

## Who will test?

In-house QA members will perform the testing activity.

## When will test occur?

The tester will start the test execution when all the following inputs are ready

* + - * Software is available for testing
      * Test Specification is created
      * Test Environment is built
      * Enough human resources for testing

# TEST OBJECTIVE

The test objectives are to **verify** the Functionality of the “Username” field of the “Registration” form. The objective of the testing is to find as many software defects as possible; ensure that the registration form is **bug free** before release.

# TEST CRITERIA

## Suspension Criteria

If the team members report that there are **20%** of test cases **failed**, suspend testing until the development team fixes all the failed cases.

## Exit Criteria

Specifies the criteria that denote **successful** completion of a test phase

* **Run** rate is mandatory to be **100%** unless a clear reason is given.
* **Pass** rate is 80%, achieving the pass rate is mandatory, but achieving a high pass rate is the goal.

# RESOURCE PLANNING

## Human Resource

|  |  |  |
| --- | --- | --- |
| **No.** | **Member** | Tasks |
| **1.** | Test Manager | 1. The primary contact for the development and QA team. 2. Participate in Test Scenarios. 3. Participate in Test Cases review. 4. Responsible for Project schedule and the overall success of the project 5. Verify sign Off on Requirements, Test Scenarios, Test Cases. |
| **2.** | QA Lead | 1. Participation in the project plan creation/update process. 2. Planning and organization of test process for the release. 3. Coordinate with QA analysts/engineers on any issues/problems encountered during testing. 4. Report progress on work assignments to the PM |
| **3.** | QA Engineer | 1. Understand the features requirements. 2. Writing and executing Test cases. 3. Preparing RTM 4. Reviewing Test cases, RTM with PM, QA Lead 5. Preparation of Test Data 6. Log in Defects and keep tracking 7. Retesting and regression testing 8. Bug Review meeting 9. Coordinate with QA Lead for any issues or problems encountered during test preparation/execution/defect handling. |

# TEST ENVIRONMENT

The Test Environment should be setup as per the specifications.

# SCHEDULE & ESTIMATION

|  |  |  |
| --- | --- | --- |
| Task Name | Start | Finish |
| Test Planning | 07/08 | 07/12 |
| Review Requirements  documents | 07/08 | 07/11 |

|  |  |  |
| --- | --- | --- |
| Create test basis | 07/12 | 07/14 |
| Staff and train new test  resources |  |  |
| First deploy to QA test  environment | 07/14 | 07/14 |
| Functional testing :  Iteration 1 | 07/14 | 07/15 |
| Iteration 2 deploy to QA  test environment | 07/16 | 03/16 |
| Functional testing –  Iteration 2 | 07/16 | 07/17 |
| System testing | 07/17 | 07/18 |
| Regression testing | 07/17 | 07/18 |
| UAT | 07/17 | 07/18 |
| Resolution of final defects  and final build testing | 07/19 | 07/18 |
| Deploy to Staging  environment |  |  |
| Load testing | 07/18 | 07/18 |
| Release to Production |  |  |

# TEST DELIVERABLES

Test deliverables are provided as below

## Before testing phase

* Test plans document.
* Test cases documents
* Test Design specifications.

## During the testing

* Test Tool
* Test Data
* Requirements Trace-ability Matrix
* Error logs and execution logs.

## After the testing cycle is over

* Test Results/reports
* Defect Report
* Release notes