**Blog**

TEST PLAN

**VERSION HISTORY**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Version #** | **Write by** | **Revision Date** | **Approved By** | **Approval Date** | **Outline** |
| 1.0 | *Vladyslav Kliucharov* | *08/28/2022* | Mykhailo Kurshakov | *08/31/2022* | Test Plan create |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

**TABLE OF CONTENTS**

[INTRODUCTION 4](#_bookmark0)

1. [TEST OBJECTIVE 6](#_bookmark9)
2. [TEST CRITERIA 6](#_bookmark10)
   1. [Suspension Criteria 6](#_bookmark11)
   2. [Exit Criteria 6](#_bookmark12)
3. [RESOURCE PLANNING 6](#_bookmark13)
   1. [System Resource 6](#_bookmark14)
   2. [Human Resource 7](#_bookmark15)
4. [TEST ENVIRONMENT 7](#_bookmark16)
5. [SCHEDULE & ESTIMATION 8](#_bookmark17)
   1. [All project task and estimation 8](#_bookmark18)
   2. [Schedule to complete these tasks 9](#_bookmark19)
6. [TEST DELIVERABLES 9](#_bookmark20)
   1. [Before testing phase 9](#_bookmark21)
   2. [During the testing 9](#_bookmark22)
   3. [After the testing cycles is over 9](#_bookmark23)

# INTRODUCTION

The Test Plan is designed to prescribe the scope, approach, resources, and schedule of all testing activities of the project Guru99 Bank.

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 OBJECTIVE

The test objectives are to **verify** the Functionality of website Guru99 Bank, the project should focus on testing the **banking operation** such as Account Management, Withdrawal, and Balance…etc. to **guarantee** all these operation can work **normally** in real business environment.

# TEST CRITERIA

## Suspension Criteria

If the team members report that there are **40%** of test cases **failed**, suspend testing until the development team fixes all the failed cases.

## Exit Criteria

Specifies the criteria that denote a **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**.

# RESOURCE PLANNING

## System Resource

|  |  |  |
| --- | --- | --- |
| **No.** | **Resources** | **Descriptions** |
| **1.** | Server | Need a Database server which install MySQL server Web server which install Apache Server |

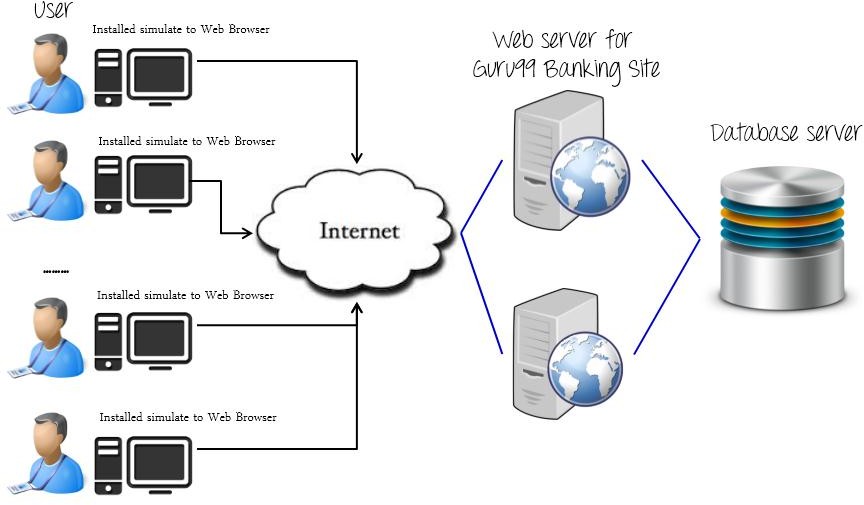
|  |  |  |
| --- | --- | --- |
| **2.** | Test tool | Develop a Test tool which can auto generate the test result to the pre- defined form and automated test execution |
| **3.** | Network | Setup a LAN Gigabit and 1 internet line with the speed at least 5 Mb/s |
| **4.** | Computer | At least 4 computer run Windows 7, Ram 2GB, CPU 3.4GHZ |

## Human Resource

|  |  |  |
| --- | --- | --- |
| **No.** | **Member** | **Tasks** |
| **1.** | Test Manager | Manage the whole project Define project directions  Acquire appropriate resources |
| **2.** | 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 |
| **3.** | Developer in Test | Implement the test cases, test program, test suite etc. |
| **4.** | Test Administrator | Builds up and ensures test environment and assets are managed and maintained  Support Tester to use the test environment for test execution |
| **5.** | SQA members | Take in charge of quality assurance  Check to confirm whether the testing process is meeting specified requirements |

# TEST ENVIRONMENT

The Test Environment should be setup as figure below



# SCHEDULE & ESTIMATION

## All project task and estimation

|  |  |  |
| --- | --- | --- |
| **Task** | **Members** | **Estimate effort** |
| **Create the test specification** | Test Designer | 170 man-hour |
| **Perform Test Execution** | Tester, Test Administrator | 80 man-hour |
| **Test Report** | Tester | 10 man-hour |
| **Test Delivery** |  | 20 man-hour |
| **Total** |  | **280 man-hour** |

## Schedule to complete these tasks

# 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
* Simulators.
* Test Data
* Test Trace-ability Matrix
* Error logs and execution logs.

## After the testing cycles is over

* **Test Results/reports**
* Defect Report
* Installation/ Test procedures guidelines

## Release notes