

TEST PLAN

<<Guru99 Banking Project>

Abstract

This document provides an overview of the project and the product test strategy, a list of

testing deliverables and plan for development

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*Private & Confidential*

# VERSION HISTORY

| Version # | Write by | Revision Date | Approved By | Approval Date | Description |
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| 1.0 | Auntor Acharja | 04/04/2022 | XXX | 04/04/2022 | Test Plan create |

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## 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 STRATEGY

### Scope of Testing

* + 1. Feature to be tested

All the features of the website Guru99 Bank which were defined in software requirement specs are needed to test

* Balance Enquiry
* Fund Transfer
* Mini Statement
* Customized Statement
* Change Password
* New Customer
* New Account
* Edit-Delete Account
* Delete Customer
* Deposit
* Withdrawal

### Feature not to be tested

These feature are not be tested because they are not included in the software requirement specs

* User Interfaces
* Hardware Interfaces
* Software Interfaces
* Database logical
* Communications Interfaces
* Website Security and Performance

### Test Type

In the project Guru99 Bank, there’re 3 types of testing should be conducted.

* Integration Testing (Individual software modules are combined and tested as a group)
* System Testing: Conducted on a complete, integrated system to evaluate the system's compliance with its specified requirements
* API testing: Test all the APIs created for the software under tested

### Risk and Issues

| Risk | Mitigation |
| --- | --- |
| Team member lack the required skills for website 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 activities. |
| New OS Support may be needed | Plan for supported OS |
| New device needed for current OS support | Plan and buy the supported device as early as possible |

### 

### Test Logistics

### Who will test?

* QA team members will test

### When will the 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 website Guru99 Bank, the project should focus on testing the banking operation such as Account Management, Withdrawal, and Balance…etc. to guarantee all these operations can work normally in the 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 successful completion of a test phase

* The 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. | 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. | QA\_member\_name 1 | * Demo checklist in 1 device (Pixel 3-Android 12) * Basic checklist in 3 devices (Nexus7,Pixel 3 XL,Pixel 3 - Android 7,11,12 ) |
| 3. | QA\_member\_name 2 | Basic checklist in 3 devices (Nexus7,Pixel 3 XL,Pixel 3 - Android 7,11,12 ) |
| 4. | QA\_member\_name 3 | Basic checklist in 3 devices (Nexus7,Pixel 3 XL,Pixel 3 - Android 7,11,12 ) |

## 

## TEST ENVIRONMENT

Tested devices: From OS-12 to OS-15

* iPhone 6
* iPhone X
* iPhone 7 Plus
* iPhone 12 mini
* iPad pro

## 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

* Demo checklist: 16th January
* Basic checklist: 17th - 24th January
* Release: 8th February

## 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 Traceability Matrix
* Error logs and execution logs.

### After the testing cycles is over

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

### Release notes