**Test Plan**

**Guru99 Bank**

# **1. Introduction**

This Test Plan covers all testing activities of the project «Guru99 Bank». «Guru99 Bank» is a website that provide net banking facility to its customers.

The plan identify the items to be tested, the features to be tested, the types of testing to be performed, the team of testing, the schedule of testing and risks associated with the plan.

## **1.1 Purpose**

## The objective of testing is to verify that the «Guru99 Bank» website works as it is intended. The following activities will be performed:

## - Verify functional correctness.

## - Verify usability of the website for the user.

- Verify correct displaying of modules.

The result  of the testing process should be a detailed overview of this product of the functionality and external interface.

## **2. Assumptions**

- QA Team is always informed about the changes in requirements.

- Bug-tracking system is up and running.

**3. Testing Scope**

# Features to be tested:

# - Functional and GUI Testing.

- The banking site will be only compatible with Chrome version 27 and above.

All the feature of websiteGuru99 Bank which were defined in software requirement [specs](https://docs.google.com/document/d/1rPW5DV82VJT6vtA1VDSrfxaCBuAduxW0zb1yfTh_VMk/edit?pli=1) are need to be tested

|  |  |  |
| --- | --- | --- |
| Module Name | Applicable  Roles | Description |
| Balance Enquiry | Manager  Customer | Customer: A customer can have multiple bank accounts. He can view balance of his accounts only  Manager: A manager can view balance of all the customers who come under his supervision |
| Fund Transfer | Manager  Customer | Customer: A customer can have transfer funds from his “own” account to any destination account.  Manager: A manager can transfer funds from any source bank account to destination account |
| Mini Statement | Manager  Customer | A Mini statement will show last 5 transactions of an account  Customer: A customer can see mini-statement of only his “own” accounts  Manager: A manager can see mini-statement of any account |
| Customized Statement | Manager  Customer | A customized statement allows you to filter and display transactions in an account based on date, transaction value  Customer: A customer can see Customized- statement of only his “own” accounts  Manager: A manager can see Customized -statement of any account |
| Change Password | Manager  Customer | Customer: A customer can change password of only his account.  Manager: A manager can change password of only his account. He cannot change passwords of his customers |
| New Customer | Manager | Manager: A manager can add a new customer. |
|  | Manager | Manager: A manager can edit details like address, email , telephone of a customer. |
| New Account | Manager | Currently system provides 2 types of accounts   * Saving * Current   A customer can have multiple saving accounts (one in his name , other in a joint name etc).  He can have multiple current accounts for different companies he owns.  Or he can have a multiple current and saving accounts.  Manager: A manager can add a new account for an existing customer. |
| Edit Account | Manager | Manager: A manager can add a edit account details for an existing account |
| Delete Account | Manager | Manager: A manager can add a delete an account for a customer. |
| Delete Customer | Manager | A customer can be deleted only if he/she has  no active current or saving accounts  Manager: A manager can delete a customer. |
| Deposit | Manager | Manager: A manager can deposit money into any account. Usually done when cash is deposited at a bank branch. |
| Withdrawal | Manager | Manager: A manager can withdraw money from any account. Usually done when cash is withdrawn at a bank branch. |

# Features NOT to be tested:

# - Automation testing.

- Stress, performance testing.

# **Testing Strategy**

**4.1 Investigate entry criteria**

**4.2 Test documentation**

**4.3. The testing will be performed:**

**System** Testing: Conducted on a **complete**, **integrated** system to evaluate the system's compliance with its specified requirements

**4.4 Method Black-box testing**

**4.5. Test level: Smoke**

|  |  |
| --- | --- |
| Test Objective: | To verify that website major functionality works on request environment. |
| Technique: | − To verify usability-flaws.  − To offer to expand feature for usability application in work.  − To check that critical functionalities of the application are working fine. |
| Completion Criteria: | − No blocker defects were found.  − All tests have been executed.  − The application satisfies the needs of the user to calculate figures. |

1. **Acceptance 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.

− Testing is stopped after all test cases are executed.

−Test completeness pass is 80% .

# 6. Testing Schedule

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Task | Members | Effort | Start Date | End Date |
| Create the test specification | Test Designer | 8 man/hours | 06.06.2021 | 06.06.2021 |
| Design test | Test Designer | 16 man/hours | 07.06.2021 | 08.06.2021 |
| Execute Test | Tester | 24 man/hours | 09.06.2021 | 11.06.2021 |
| Analysis Test | Tester | 3 man/hours | 12.06.2021 | 12.06.2021 |
| Prepare Reports | Tester | 8 man/hours | 13.06.2021 | 13.06.2021 |

# **7. Resources**

**7.1. Responsibility:**

QA tester: AlinaZ

**7.2** Software:

Testing will be performed for the Chrome (the latest version: 91.0.4472.101, (64 bit), Microsoft Windows [Version 10.0.19041.1052].

**7.3** Internet line with the speed at least 5 Mb/s.

**7.4** Documentation:

Test cases and bug reports. Responsible - QA tester, period of creation 07.06.2021-11.06.2021

Test report. Responsible - QA tester, deadline 13.06.2021-13.06.2021.

# **Risks**

|  |  |
| --- | --- |
| Probability | |
| High (3) | Has very high probability to occur, may impact to the whole project |
| Medium (2) | 50% chance to occur |
| Low (1) | Low probability of occurrence |

|  |  |
| --- | --- |
| Impact | |
| High (3) | Cannot continue with project activity if it is not solved **immediately** |
| Medium (2) | Cannot continue the project activity if it is not solved |
| Low (1) | Need to solve it but it is possible to take alternative solution for a while |

|  |  |  |  |
| --- | --- | --- | --- |
| Risk | Probability | Impact | Priority = Probability\* Impact |
| Project deadline not met | 3 | 3 | 9 |
| Electricity Failure | 1 | 2 | 2 |
| Changing priorities in project management | 1 | 3 | 3 |
| Changes in requirements lead to significant extra work on the project | 3 | 3 | 9 |
| Incorrect or incomplete stated requirements | 3 | 3 | 9 |
| The number of bugs significantly exceeds the expected number | 3 | 2 | 6 |

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