**TEST PLAN**

Project Name: Bank Management Application

Test Engineer: Divya Teja

Date:23/01/23

Prepared by: Sathwika

**1)Test Objective or Aim**

Theobjective of the test is to verify the functionalities of” Add **Customer, Deposit Money, Withdrawal Money, Show Balance, Delete Customer and Exit,** works according to the specification.”

**2) Scope of testing**  
   a) Within the scope features to be tested

|  |  |  |
| --- | --- | --- |
| Module | Application Roles | Description |
| Add Customer | Employee | * Employee should able to add customer |
| Deposit money | User | * User can able to Deposit Money from the account |
| Withdraw money | User | * User can able to withdraw Money from account |
| Show balance | User | * User can able to view the balance |
| Delete Customer | Employee | * Employee should able to delete Customer |

   b) **Out of scope**: These features are not being tested because they are not included in the software requirement specs

* Automation Testing
* Stress Testing
* Performance Testing

**3) Test Strategy  
  a) Levels of testing**

* System Testing: Testing the system as a whole, including the front-end and back-end functionality.

1. **Types of testing**

* Functional Testing: Testing the functional requirements and features of the system.

**d) Configuration Management tool**

* GIT-Code Configuration Management

**e) Terminology**

* Test plan
* Test Scenarios
* Test Cases
* Defect Log
* RTM

**4) Exit and Entry criteria**

* Entry Criteria –
  + - * The completion of software development
      * Availability of test environment.
      * Test data ready to test execution.
      * Test scenarios and test cases are created.
* Exit Criteria –
* Achieving a certain level of test coverage
* Finding and fixing a specified number of bugs
* Meeting functionality requirements.

**5) Test deliverables**

|  |  |  |
| --- | --- | --- |
| **Before testing** | **During testing** | **After testing** |
| Test plan document | Test tool | Test results |
| Requirements document | Test data | Defect reports |
|  | RTM |  |

**6)Roles and Responsibility**

|  |  |  |
| --- | --- | --- |
| ROLES | Names | RESPONSIBILITIES |
| Test Engineer | Divya Teja | Executing the test cases, identifying defects, and reporting the results to the Test Lead and Test Manager. |
| Test lead | Sathwika | Creating the test plan and ensuring that the testing process is executed effectively and efficiently. |
| Test Manager | Ramya | Overseeing the testing process and ensuring that the test plan is followed. |
| Developer | Sarvagya | Fixing any defects identified during the testing process and ensuring that the application meets the requirements. |

**7) Risks and mitigation**

* Meet outstanding prerequisites
* Redefine test data
* Review test plan and modify components (that is, scripts)
* Restore data and restart

**8)Schedule**

|  |  |  |
| --- | --- | --- |
| Task | Members | Estimate effort |
| Writing java code, database connection and database creation. | Sarvagya | 12 man-hours |
| Test plan | Sathwika | 2 man-hour |
| Test scenario, test cases, defect log and RTM. | Divya Teja | 10 man-hour |
| Total |  | 24 man-hour |

**9) Test Environment**

* Operating System**:** windows 10
* Eclipse IDE
* Data base: My sql

**10) Assumptions:** Exploratory Testing would be carried out once the build is ready for testing

* Performance testing is not considered for this estimation.
* The test environment meets the system requirements for the application.
* The data used for testing is accurate and complete.

**12) Approval Information**

**Project Manager:** reviews the content of the Test Plan, Test Strategy and Test Estimates signs off on it.

**Test Manager**:

* Reviews the test cases, test Conditions and Test data, test report.
* The Names and Titles of all persons who must approve this plan.

**Signature**:

Name:

Role:

Date:  **13)Test Metrics**

* Passed test Cases Percentage: (no. of passed test cases/no. of test cases executed) \*100
* Failed test cases percentage: (no. of failed test cases/no. of test cases executed) \*100
* Fixed defect percentage: (defects fixed / defects reported) \*100