**TEST\_PLAN**

**ATM\_APPLICATION**

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**1.Introduction:**

A ATM Machine Java Program is used for an electronic banking outlet that allows customers to complete basic transactions without the aid of a branch representative.

**2.Scope**

**2.1) Features to be tested**

**1)**To withdraw amount.

**2)**To deposit.

**3)**To check balance.

**2.2) Features not to be tested**

**1)** Hardware Interfaces.

**2)** Automation testing.

**3.Quality Objectives**

**3.1) Primary Objectives**

The primary objective of testing is to ensure that the console application meets all the requirements mentioned. At the end of the project development lifecycle the user should find that the application had met all their requirements.

**3.2) Secondary Objectives**

The secondary objective of testing will be to identify all defects and expose all issues and fix before the release of the project.

**4. Test Strategy**

**4.1) Levels of testing**

**1)Functional testing:**

1.1) The user should search for account.

**2)Non-functional testing:**

2.1) Usability testing – To allow the users to perform the tasks effectively.

2.2) Performance testing - To perform effectively.

2.4) Recovery testing – To recover from cookies.

**4.2) Types of testing:**

1) Unit testing – Checking for the account details.

2) System testing – Checking whether if the user is able to use the application effectively.

4)User acceptance testing – First release of application and receiving a feedback from the end user.

**4.3) Test design technique:**

**1)Equivalence Partitioning and Boundary Value Analysis**

It is a software testing technique or black-box testing that divides input domain into classes of data, and with the help of these classes of data, test cases can be derived.

**5. Entry and Exit Criteria**

**5.1) Entry Criteria**

1)All the previous phases are completed and signed off.

2)QA resources have completely understood the requirements.

**5.2) Exit Criteria**

1)Completion of test cases.

2)Cost – When the budget has been spent.

3)The schedule has been achieved.

**6. Suspension and Resumption Criteria**

**6.1) Suspension Criteria**

1)If the smoke testing/BVT fails then the software will be suspended.

2)If there is any blocking defects in a module that module will be temporarily suspended.

**6.2) Resumption Criteria**

1)Resumption will occur only when the problems that cause the suspension have been resolved**.**

**7. Test Deliverables**

1)Test plan document

2)Test case document

3)Test log document

4)Defect log document

5)A test summary report

**8. Risk and Mitigation**

|  |  |
| --- | --- |
| **Risk** | **Mitigation:** |
| Availability of resources (Software & hardware). | Resources to be Purchased. |

**9. Roles and Responsibility**

|  |  |
| --- | --- |
| **Roles** | **Responsibility** |
| QA Lead | Develop testing plans |
|  |  |
| Managers | Managers sees the revenues and the sales of the supermarket. He views the inventory, review the sales and prints the sales report. |
| Project manager | Act as a primary contact for developer and QA team.  Responsible for project schedule and overall success of the project. |
| Test lead | Building up and leading the testing team. |
| Tester | evaluate the results and document problems found. |

**10. Schedule**

|  |  |  |
| --- | --- | --- |
| **Task** | **Members** | **Time Taken to Complete** |
| Test Planning | Test- Selva,Sujay | 27.MAR.2022 – 28.MAR.2022 |
| Test Design | Tester- Santhosh | 29.APR.2022 – 30.APR.2022 |
| Test Execution | QA- Dheeraj | 31.APR.2022 – 1.MAR.2022 |
| Test Closure | Test Lead /QA Manager- Anish | 2.MAR.2022 – 3.MAR.2022 |

**11. Approvals**

|  |  |  |
| --- | --- | --- |
|  | Project Manager | QA Lead |
| NAME | Nageswarrao | Roshini |
| SIGNATURE |  |  |