**TEST STRATEGY AND TEST PLAN FOR**

**INTERNET BASED DTS EXERCISE**

**TEST STRATEGY:**

1) Assess Testability🡪 Factors on a scale of 1-5:

|  |  |
| --- | --- |
| Factors | Scale |
| Operability | 4 |
| Controllability | 5 |
| Observability | 5 |
| Simplicity | 3 |
| Understandability | 5 |
| Suitability | 3 |
| Stability | 4 |

2) Assess Test factor that has to be considered for testing this software:

|  |  |
| --- | --- |
| Test factor | Test to be Performed |
| Correctness | Integration Testing |
| Authorization | Integration Testing |
| Continuity of Processing | Post User Acceptance Testing |
| Access Control | System Testing |
| Reliability | User Acceptance Testing |
| Performance | System Testing |
| Integrity | System Testing |

3) Assess drivers that would influence testing:

|  |  |  |
| --- | --- | --- |
| Test Factor | Test to be Performed | Testing Done by |
| Correctness | Integration Testing | Quality Analyst |
| Authorization | Integration Testing | Quality Analyst |
| Continuity of Processing | Post User Acceptance Testing | Client/Management |
| Access control | System Testing | Tester |
| Reliability | User Acceptance Testing | Client/Management |
| Performance | System Testing | Tester |
| Integrity | System Testing | Tester |

4) Assess Test Factor🡪Verification/Validation:

|  |  |  |
| --- | --- | --- |
| Test Factors | Verification/Validation | Type of Testing |
| Correctness | Validation | Black Box Testing |
| Authorization | Validation | Black Box Testing |
| Continuity of Processing | Validation | White Box Testing |
| Access control | Verification | Black Box Testing |
| Reliability | Validation | White Box Testing |
| Performance | Verification | Black Box Testing |
| Integrity | Validation | Black Box Testing |

**TEST PLAN:**

1) Test item : Internet Based DTS Exercise

2) Software risk issues : Security issues , Performance Testing

Scope

3) Features to be tested :Register,Log in,Log out,View Balance,Set up limit

4) Features not to be tested : New versions of the system will not be tested

5) Approach : White box and black box

6) Test Deliverables :Source code,Test scenario,Test plan,Test case,Test execution,Test report,Defect report

7) Item pass/fail criteria: If I can login using wrong password and it shows no error🡪Failure

The Transaction is withheld due to some issues but it intimates through the message🡪Pass

8) Suspension and Resumption criteria: Show stoppers in application/non availability of resource/ when this is resolved(resumption)

9) Responsibility: Tester have to check with multiple resources and make sure that every module is working properly.

Test lead should continuously watch the testers and maintain proper document about test plans

Customers at the end must check every functionality and have to conclude any changes if needed

10) Staffing and Training needs: 15 testers/Need to be trained on Agile

11)Schedule: 20 days