**Case Study on:**

**Test Strategy and Test plan on IDTS**

**Test Strategy:**

1) Assess Testability: Rated between 1-5

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

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

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| --- | --- |
| 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:

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

**TEST PLAN:**

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| --- | --- | --- |
| 1. | Test Item: | Internet based DTS |
| 2. | Software test issues: | Security, portability, testing in third party browsers, performance, cofiguration |
| 3. | Features to be tested: | Register new customers, Login and Logout, admin functions, member functions, manager functions, session timeout |
| 4. | Features not to be tested: | New version of the system will not be tested |
| 5. | Approach: | Black Box and White Box Testing |
| 6. | Test Deliverables: | Source code, Test Scenario, Test plan, Test Case, Test Execution Report, Test Report, Defect Report. |
| 7. | Item pass/Fail criteria: | If I find 5 minor bug, 1 major bug, with No Critical/Show Stopper in this case I consider the application as pass criteria and the main functionalities shall be working |
| 8. | Suspension & Resumption Criteria: | Suspension: Show stoppers in application/Non-Availability of resource/Server down  Resumption: When these issues are resolved |
| 9. | Responsibility: | i)Project Manager should do resource planning & management, and resolution of issues that impede the testing effort  i) Tester have to check with multiple resources and make sure that every module is working properly.  ii) Test lead should continuously monitor the testing process and maintain proper document about test plans  iii) Customers at the end must check every functionality and have to conclude if any changes are needed |
| 10. | Staffing and Training Need: | A team of 10 testers will be needed/ Training needed in agile and ALM |
| 11. | Schedule: | 2 weeks |