**Test Strategy**

**INTERNET DERIVATIVES TRADING SYSTEM**

Version 1.0.v1

Date feb,21st 2022

**Document Details:**

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| Title | INTERNET DERIVATIVES TRADING SYSTEM |
| Version | 1.0.v1 |
| Date | 22-feb-2022 |
| File Name | IDTS |
| File Location | #WILL ADD# |
| Author | SUNIL |
| Contributor | Vinay, shyam, maria, Aishwarya. |

**Document Reference:**

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| --- | --- |
| Document Name | File Location |
| Bank valla Test Report | https://drive.google.com//idts |

1. Scope and overview: IT’s a INTERNET based financial trading application its helps in international derivatives .have the ability domestic derivatives commission also given by DTS, commission rates follows as per the trading volume, ability to interact with customer and we can print successfully executed transactions.

2. Test Approach:

In this section, we usually define the following

Test levels

\* Component test

\* Integration test

\* System testing

\* Acceptance testing

* Test types
* Roles and responsibilities
* Environment requirements

3. Test Levels:

* Component test: Testing each component in modules such as login , registration, ,message form, Group message, registered transactions Domestic derivatives, print transaction etc.
* Integration testing: Testing the integration between each module such as login page, home page, register of transaction ,Domestic derivatives etc.
* System testing: Testing the whole applications.
* Acceptance testing: Testing the acceptance of user in the application

4. Test Types:

Black box Testing : Testing each model with all possibilities of inputs and outputs and their result. To check this actual output with accepted output.

5. Roles and Responsibilities

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| --- | --- |
| **Role** | **Responsibilities** |
| Project Manager | Sunil |
| Project Lead | Vinay kumar |
| QA | Maria,shyam,aishwarya. |

6. Environment requirements:

**Hardware Configuration:**

O/S : Windows 10,mac os.

Processor : 1 GHz,intel i3.

Ram : 4 Gb.

Hard Disk : 1 tb

**Software Configuration:**

Browser : Mozilla,netscape.

Macos & windows: Eudora email service

7. Testing tools:

Selenium.

8. Industry standards to follow:

CMMI(Capability Maturity Model Integration)

9. Test deliverables:

\* Business Requirement Documentation.

\* Functional Requirement Documentation.

\* Requirement Traceability Matrices.

\* Test Strategy requirement.

\* Test Case Requirement.

10. Testing metrics:

Product Metrics.

Process Metrics.

11. Requirement Traceability Matrix:

Requirement traceability matrix is used to trace the requirements to the tests that are needed to verify whether the requirements are fulfilled.

12. Risk and mitigation

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No** | **Risk** | **Mitigation Plan** | **Impact** |
| 1  2 | Loading  login | Used to performance  authentication | Avoid the risk  Security level |

13. Reporting tool and Issue Tracking Tool:

Jira.

14 Test summary:

We have executed some of the test cases and given the results.

15. Approvals:

The following people are required to approve the Test Strategy

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| **Approved By Role** | **Approved By Name** |
| Project Coordinator | Sunil |
| Team members | Shyam,maria,Aishwarya |