**Test Strategy Document**

Project Name:- Internet based DTS

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**1.Overview:-**

* As part of the project, ‘Internet Based DTS’ and Banca valla had decided to test few functionalities of ‘Internet Based DTS” web application.
* This document serves as high level test Strategy document with details on the scope of the project, test schedule and resource requirements, test deliverables and schedule.

**2.Scope:-**

The scope of the project includes testing the following features of ‘Internet Based DTS’ web application.

**In Scope :-**

* Functional Testing.
* UI/UX Testing.

**Out Scope :-**

* Ability to place a customer on hold after which the customer would not be able to continue to trade
* Ability to release a customer on hold
* Ability to close a customer account and remove the customer from the customer list of the system and the bank
* Ability to generate customer trading details including payment track record

**3.Test Approach:-**

* Banca Valla has understood that we need to perform Functional Testing of all the functionalities mentioned in the above Scope section.
* **Step:1:-**As part of Functional Testing, we will follow the below approach for Testing:
* Requirement analysis.
* Software testing planning
* Test case development
* Environment setup
* Software test execution
* **Step 2:-**Types of testing:-Smoke testing,sanity testing,regression testing,re-testing,Exploratory Testing.
* **Step 3:**-
* Levels of testing:-Intergration testing,system testing,System Integration testing,

# **Roles/Responsibilities:-**

|  |  |  |
| --- | --- | --- |
| Name | Role | Responsibilities |
| Sivanesh | Team Lead & Test Engineer. | * Create the Test Strategy and Test plan * Create Test cases, Test scenarios, Test ideas * Create Defect Reports |
| Indu Rani | Test Engineer | * Create the Test Strategy and Test plan * Create Test cases, Test scenarios, Test ideas * Create Defect Reports |
| Madhavi Latha | Test Engineer | * Create the Test Strategy and Test plan * Create Test cases, Test scenarios, Test ideas * Create Defect Reports |
| Srinath | Test Engineer | * Create the Test Strategy and Test plan * Create Test cases, Test scenarios, Test ideas * Create Defect Reports |
| Vamsi | Test Engineer | * Create the Test Strategy and Test plan * Create Test cases, Test scenarios, Test ideas * Create Defect Reports |
| Suresh | Test Engineer | * Create the Test Strategy and Test plan * Create Test cases, Test scenarios, Test ideas * Create Defect Reports |
| Dipak | Test Engineer | * Create the Test Strategy and Test plan * Create Test cases, Test scenarios, Test ideas * Create Defect Reports |

**4.Test Environments:-**

* + Windows
  + Linux
  + Mac

5.**Testing Tools**:-

* The following are the list of Tools we will be using in this Project:
  + Word and Excel documents
  + JIRA Tool For Project Management and Defect Management
  + Test management tool for test execution (zephyr).
* Frame work for functional testing (TestNG).
* To test the Automation scripts (Selenium).
* Build Management tool(Maven).

**6. Release Control:-**

* Delays in the turnaround time for fixing critical bugs, which would require re-testing, could have an impact on the project dates.
* Test execution for all modifications in that release will be ensured by a release management plan with suitable version history.
* Banca Valla Wants to launch this system in 3 months.
* Meanwhile the project even though the estimates reveal that it would take 5 months to complete this system with all the identified functionality.

**7.Risk analysis:-**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Risk** | **Mitigation** | **Impact** |
| 1 | We may get non-functional risks like performance issues when load on the server increases | Maintaining server accordingly based on the load on server | High |
| 2 | Lack of stability in requirements | Conducting regular meetings with clients and getting the requirements properly | Medium |
| 3 | Lack of understanding of tools and technologies by the test engineers might affect the project | We make sure every test engineer in team has proper awareness on the new tools and technologies and give them proper training if not. | Medium |

**8.Review & Approval:-**

* We will send These documents for Product Owner Approval like below:
* Test Plan
* Test Scenarios
* Test Cases
* Test ideas
* Test charters
* Reports(test execution report, defect report, test summary report, test report).