Internet Based DTS

**Test Strategy**

**Revision History**

| Date | Version | Author | Description |
| --- | --- | --- | --- |
| 22.02.2022 | 1.0 | Banca Valla | The system was to provide functionalities to the users likes Administrators, Manager and members, End users |
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# Scope

It defines parameters like

* Create Administrator, manager and member, end user credentials
* Work According to regular conditions and occasional conditions
* Test Begins with Smoke testing, Integration testing, System testing, Compatibility testing, Load testing, Security testing, Performance testing etc.
* If <5 major defect go for next iteration and solve it
* If <10 minor defects go for next process and solve it
* If any blocker defects, stop the process, do corrections and go for next iteration.

# Test Approach

It defines

* All models to be tested manually, than Administrator and Customer modules to be made automation Testing.
* Roles and responsibilities of each team member

| Test Engineer | Modules | | Duration | Responsibilities | |
| --- | --- | --- | --- | --- | --- |
| Prabhjot | Administrators | | 6hr | Verify Functionality with Administrators credentials, and UI | |
| nitesh | Manager and members of the Derivatives Trading Division | | 12hr | Verify Functionality with manager and members credentials, and UI | |
| Sushanta | Customers of Banca Valla (End Users) | 12hr | | | Verify Functionality with customer credentials, and UI |
| reddy | Transactions | 12hr | | | Verify the data storage in Database and verify the transactions |

# Test Environment

* The IDTS is to be developed using database DB, application server APPS and   
  programming platform PROG.
* The IDTS customers would access the application using browsers.

Expected distribution of browsers that would be used by customers are :  
IE – 45 %  
Mozilla – 35 %  
Netscape – 17 %  
Eudora – 3 %

# Testing Tools

* Frame work to be used: Core Data
* Automation tools to be used: selenium and cucumber
* Project management tool; Jira
* Writing and execution of test cases: Zephyr
* Defect tracking : Bugasura
* Figure out number of open-source as well as commercial tools required, and determine how many users are supported on it and plan accordingly

# Release Control

* Plan for 3 sprints
* 1st sprint must be with Administrator and End users module to be released within 8 weeks
* 2nd Sprint must be added with Manager and members module to be released within 6 weeks
* 3rd sprint remaining modules

# Risk Analysis

* List all risks that you can estimate
* Give a clear plan to mitigate the risks also a contingency plan

# Review and Approvals

* All these activities are reviewed and sign off by the business team, project management, development team, etc.
* Summary of review changes should be traced at the beginning of the document along with approved date, name, and comment