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## 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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## 1.

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## 2. Scope

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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.

### 3. Test Approach

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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
Sushanta Nandy	Administrators	6hr	Verify Functionality with Administrators credentials, and UI
Vinod	Manager and members of the Derivatives Trading Division	12hr	Verify Functionality with manager and members credentials, and UI
Tarun	Customers of Banca Valla (End Users)	12hr	Verify Functionality with customer credentials, and UI
Madan	Transactions	12hr	Verify the data storage in Database and verify the transactions

## 4. Test Environment

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- 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 %

## 5. Testing Tools

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- 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
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- Figure out number of open-source as well as commercial tools required, and determine how many users are supported on it and plan accordingly

## 6. Release Control

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

## 7. Risk Analysis

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



## 8. Review and Approvals

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- 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