

Internet based DTS (IDTS)

Test Strategy

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1.

2. Scope

Banca Valla planned to design & develop an Internet based DTS

- The Business Analyst or Project Manager created based on requirements from the client.
- Note feature : Administrators ability to setup access rights to various parts of the application for other classes of user.

3. Test Approach

- Process of testing features are prioritise according Expected to be used regularly (high priority) used features of the application and expected to be used occasionally (low priority).
- End user Requirements and features are created.

Testing Levels:

- User requirement testing with the requirements document
 - Static testing
 - Integration testing
 - System Testing
 - UAT
 - Security Testing
 - Performance Testing
 - Load Testing
 - Stress Testing
 - Compatibility Testing
 - Usability Testing
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- Project estimated time is 5 months to complete the system with all the identified functionality.
 - Clients wants to launch this system in 3 months.

4. Test Environment

- **Hardware Requirements :**

Operating systems: Windows/ Mac OS/Linux Distros

RAM: 8GB

ROM: 1 TB HDD/ 512 SSD

- **Software Requirements :**

Browsers : IE, Mozilla, Netscape, Eudora

Database : DB

Programming: PROG

5. Testing Tools

- JMeter: Web App testing
- Jira: Project management tool
- Bugasura: issue tracking tool
- Selenium: Automation testing tool
- Burp suite: Security Testing
- Inflactra: Requirement tracking tool
- Jenkins: CI-CD tool

6. Release Control

- Release management plan according the requirements the project completion estimated time is 5 months with all the working functionalities.
- Clients launch estimated time is 3 months with the High Prioritised with the essential features with the versions.
- The next version continuois with the previous version miss out and with updated features with less bugs.

7. Risk Analysis

- Risk in loading the page by the live feed provided by the NSE.
- The system should interface with the bank's core banking module to give effect to the financial transactions.
- Banca Valla wants to launch this system in 3 months, even though the estimates reveal that it would take 5 months to complete this system with all the identified functionality.

8. Review and Approvals

- All activities are reviewed and sign off by the business team, project management, development team.
- Summary of review changes should be traced at the Initial stage of the document along with approved date, name, and comment.
- Checking with the requirements meet at final product before deployment with all the critical features working properly or not.