

TEST STRATEGY

Project name: Internet based DTS

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SCOPE and OVERVIEW

Banca Valla has decided to develop an IDTS.
Administrators will setup access rights of the application.
Manager and members will be responsible for testing of this application.

IN-SCOPE :

- Approve users to access for the site.
- Ability to send messages to customers.
- Ability to generate transactions.

OUT-SCOPE :

- Closing account or remove customer from the list.
- Releasing and placing customer on hold.
- Ability to generate customer trade details.

TEST APPROACH

- Agile methodology would be very specific for this project as it is very quick to develop and also flexible.
- Unit testing
- Integration testing
- System testing
- User acceptance testing

→ Roles and Responsibility of team members:

| NAME | ROLE | RESPONSIBILITY |
|-------------|---------------|--|
| Shikha | Team manager | Manages the team and keep a track on project progression |
| Vishnu | Test engineer | Execute test cases and report defects |
| Vinay | Test engineer | Execute test cases and report defects |
| Sonal | Test engineer | Execute test cases and report defects |
| Sashirekha | Test engineer | Execute test cases and report defects |
| Raju | Test engineer | Execute test cases and report defects |
| Thejus | Test engineer | Execute test cases and report defects |

TEST ENVIRONMENT

Software configuration:

- The IDTS is to be developed using database DB, application server APPS and programming platform PROG.
- Browsers that would be used by customers:
 - Internet Explorer - 45%
 - Mozilla - 35%
 - Netscape - 17%
 - Eudora - 3%

Hardware configuration:

- Operating system : Windows 10
- Processor : i5
- RAM : 8GB

TESTING TOOLS

- JIRA - for issue tracking
- ZEPHYR - for test case management
- JMETER - for performance testing
- SELENIUM - to test web application
- BURP SUITE - for security testing
- SQL - for database testing
- BUGASURSA - for defect management testing

RELEASE CONTROL

Banca Valla wants to launch this system in 3 months, whereas it is estimated that it would take 5 months to complete this system with all the identified functionality.

RISK ANALYSIS

| Sl no | Risk Description | Mitigation strategy | Impact | Effect on Cost/ Schedule/Quality |
|-------|--|--|--------|-------------------------------------|
| 1 | Late submission of information, delays in document approval by the customer. | i. Compliance with the rules of planning and organizing meetings. ii. Timely information about the unavailability of employees. | Medium | Schedule |
| 2 | Incorrect or Incomplete stated requirements | Splitting the development into short iterations .frequent demonstrations of new functionality. | High | Cost, Schedule |
| 3 | Changes in the requirements during development | i.Fixing the basic list of requirements in the contract. | High | Cost, Schedule |

| | | | | |
|---|---|---|--------|-------------------------|
| | | ii.A dedicated Product Owner from the Customer. iii.Frequent demonstrations of new functionality. | | |
| 4 | Problems with the delivery of the product into production because of the unavailability of servers. | Getting further details on installing the product from the Customer's IT department as soon. | High | Schedule |
| 5 | Problems of integration with internal systems of the Customer | i.Communicating with the stakeholder, who is responsible for the provision and operation of appropriate interfaces, in order to agree all the features and performance in advance. ii. Installing the beta version of the product and testing the product in order to identify the problems associated with integration. | Medium | Cost, Schedule, Quality |
| 6 | Tight time limits that influence the testing flow | Following the development schedule. Timely notification of potential problems or shifts in the schedule. | Low | Cost, Schedule, Quality |

REVIEW and APPROVAL

Following people are responsible for reviewing and approving the testing of the above application:

- Test manager
- Product owner
- Development manager
- Project manager