Test Plan Document For Banca Valla IDTS

Documented by ALPESH, SOURAV, RUDRO, RAJ, SHIVAN

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1 Introduction

The Test Plan is designed to prescribe the scope, approach, resources, and schedule of all testing activities of the project BANCA VALLA (IDTS).

The plan identifies the items to be tested, the features to be tested, the types of testing to be performed, the personnel responsible for testing, the resources and schedule required to complete testing, and the risks associated with the plan.

1.1 Scope

Module Name	Applicable Roles	Deliverables

Module Name	Applicable Roles	Deliverables
Ability to Setup Access Rights	**Administrators**	An Administrator can have access to all rights to costumes, staff etc.

Manager and member of DTD	**Member, Manager**	Member :- Approve registered users for providing them access to the site
		Manager :- Ability to setup the transaction limits for each customer based on the customer's credit assessment and past performance record
		Manager :- Ability to set up the customers in terms of whether they are allowed to deal in international derivatives or not
		Manager :- Ability to setup commission rate for domestic derivatives, commission rate for domestic derivatives, commission rates for transactions settled within the same transaction period, graded commission rates for various levels of trading volumes
		Manager :- Ability to prepare and send messages to a customer and group of customer
		Manager, Member :- Ability to generate a register of transactions during a given period
		Member :- Should not have access to view the stop loss / book profit orders

		Member :- Should not have access to view time driven orders Members :- Ability to print a transaction record along with a duplicate copy of all successfully executed transactions
Expected to be used occasionally	**Manager**	Manager :- Ability to place a customer on hold after which the customer would not be able to continue to trade Manager :- Ability to release a customer on hold Manager :- Ability to close a customer account and remove the customer from the customer list of the system and the bank Manager :- Ability to generate customer trading details including payment track record
Customers of Banca Valla (End Users)	**Customers**	Customers :- Ability to register as a customer for the internet derivative trading service

		Customers :- Ability to view derivative prices online in the form of a price ticker
		Customers :- Ability to place orders to buy and sell selected derivatives
		Customers :- Ability to place stop loss / book profit orders
		Customers :- Ability to place time driven orders
		Customers :- Ability to view the balance of derivatives in their derivative account
		Customers :- Ability to view the cash balance in their trading account
		Customers :- Ability to view the history of transactions for the last n months
		Customers :- Ability to cancel placed orders prior to their execution
		Customers :- Ability to send derivative trading related queries to manager and members of derivatives trading division
		Customers :-Ability to send queries / suggestions on the internet based system to the system administrator
		Customers :-Ability to log in into the system

		Customers :-Ability to log out of the system
		Customers :-Ability to set preferences in terms of the bank's products, receipt of mailers,
		Customers :-Ability to set x, y and z aspects of user interface based on their preferences
		Customers :-Ability to view successfully executed orders
		Customers :-Ability to print a transaction record

1.2 Quality Objective

The test objectives are to **verify** the Functionality of BANCA VALLA, the project should focus on testing the **banking operation** such as ability to register for IDts, transaction,Balance, Stop/loss/ Book Profit Orders Withdrawal, and Balance…etc. to **guarantee** all these operation can work **normally** in real business environment.

1.3 Roles and Responsibilities

The project should use Test Manager, Test, Developer in Test, Test Administrator ,SQA

Members as the tester to save the project cost.

NO	Member	Task

1.	Test Manager	Manage the whole project Define project directions Acquire appropriate resources
2.	Test	Identifying and describing appropriate test techniques/tools/automation architecture Verify and assess the Test Approach Execute the tests, Log results, Report the defects. Outsourced members
3.	Developer in Test	Implement the test cases, test program, test suite etc.
4.	Test Administrator	Builds up and ensures test environment and assets are managed and maintained Support Tester to use the test environment for test execution
5.	SQA	Take in charge of quality assurance Check to confirm whether the testing process is meeting specified requirements

2. Test Methodology :-

2.1 Overview :-

Banca Valla had decided to design and develop an internet based DTS

2.2 Test Levels :-

In the project Banca Valla, there are 3 types of testing that should be conducted.

smoke testing**,** Functional testing,Integration testing,System testing,ADHOC testing,Performance testing,Regression testing,UAT testing

2.3 Suspension Criteria and Resumption Requirements

If the team members report that there are 50% of test cases failed, then will conclude to suspend testing until the development team fixes all the failed cases.

2.4 Test Approach

It defines, Process of testing,Testing levels,Roles and responsibilities of each team member,Types of Testing (Load testing, Security testing, Performance testing etc.),Testing approach & automation tool ,Adding new defects, re-testing, Defect triage, Regression Testing and test sign off

2.5 Project task and estimation and schedule

Task	Member	Estimate effort

Task	Member	Estimate effort
Create Test Specification	Test Designer	
Perform Text Execution	Tester, Administrator	
Test Report	Tester	
Test Delivery		
Total		

Schedule to complete these tasks

2.6 Test Completeness

Specifies the criteria that denote a successful completion of a test phase

Run rate is mandatory to be 100% unless a clear reason is given.

Pass rate is 80%, achieving the pass rate is mandatory

3. Test Deliverables

Test deliverables are provided as below

Before testing phase :- Test plans document.,Test cases documents, Test Design specifications.

During the testing :-

After the testing cycle is over :- Test Results/reports,Defect Report,Installation/ Test procedures

guidelines, Release notes.

4 Resource & Environment Needs

4.1 Resource and Environmental needs :-

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 %

4.2 Test Environment

Test Environment to be setup as web, android based