

Benca valla internet based DTS

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Objective :-

Benaca valley designed internet based DTS named as IDTS. Here we are preparing a test strategy document for the Benca valla internet base DTS to know functionality and User interface(UI) to deliver a quality product.

Source of information:-The Benaca company is a product based company which codes DTS applications.the information given to us as a knowledge transfer, meetings.

Approach -

Here our approach is to check IDTS application validation and verify its functionality and UI/UX to make sure it fits for the users. We check the application with testing methodology and tools. We will check the application with manual and automation testing(whenever possible/necessary).here our approach to test functional and non functional features is in such a way that having more/full coverage of the application with less number of test cases.

Scope :-

Inscope:-

1. Administrator features:- access rights to various parts of application for other users
2. Manager and member of DTD
Regular users
 - I. Approving access to registered users
 - II. Set up customer transactions- international derivatives, domestic derivatives, commission rates, generate transition with in given period and credit assessment
 - III. Messages - customer and customer group.
 - IV. Shouldn't have access to the customer functions or limited accessManager and member of DTD
occasional users
 - I. Customer profile/account management-hold, release and generate trading details
3. End users / customer of Benaca
 - I. Profile creation-, orders and sell, derivative price, transactions, transition records

- II. Settings- registration, login, logout, contact us, FAQs and preference
- III. Trading :- account status and information, market statistics.

Out scope :-

Generate transition in a given period of time, transition record, limited and no access to the customer

Testing methodologies:-

Functional testing	<ul style="list-style-type: none"> I. Unit testing II. Integration testing III. Smoke testing IV. Sanity testing V. Interface testing VI. System testing VII. UA testing VIII. Regression testing
Non functional testing	<ul style="list-style-type: none"> A. Performance testing B. Stress testing C. Security testing D. Compatibility testing E. Compliance testing F. Usability testing

Testing tools and technology :- manual testing tools are employed and results are documented in a Benca valla database and stored

database	DB
Application server	APPS
Programing platform	PROG
tool	JIRA

Platforms-

Browser- IE – 45 %, Mozilla – 35 %, Netscape – 17 %, Eudora – 3 %
OS - windows, mac, linux

Environment- staging, production and development.

Testing team :-

<i>sl.no</i>	<i>Name</i>	<i>designations</i>
1	a	Test manager
2	b	Team lead
3	c	Sr. tester
4	d	Sr. tester
5	e	Ass. tester
6	f	Ass. tester
7	g	Ass. tester

Deliverables :-

test strategy, test plan, test scenario, test charter, test cases, test scripts, test reports and logs

Summary :-

We will cover all the modules in testing and mentioned tools and methodologies are employed. Here manual as well as automated testing are carried out.

Approving authority :-

Approving authority is present in following designations

1. Project owner
2. Project manager
3. Test manager
4. Test lead etc.

2.0 Test plan

Objectives :-

The Benaca valley developed an internet based dts named IDTS. The plan identifies the module(administrator, manager and member and end user), the features to be tested, the types of testing (manual and automated or functional and nonfunctional), persons employed, time for compilation, risk present.

Benca is a product based company which develops DTS and provides services. The company gave information to the testing team as knowledge transfer, meetings etc.

Approaches:-

The approach is to test the Benaca valley developed IDTS if it fulfils the needs of users and the company. Here we use testing methodology and testing tools(functional and non functional). We will be testing applications using manual and automation testing methods.

Scope :-

In-scope

Administrator -

provide access to all the users for all parts of IDTS.

Manager and member of DTD-

Regular

1. Approving registered user
2. Setting transaction limit
3. Allowing of international and domestic derivatives
4. Set up commission rates
5. Send message individual and to group of end users
6. Transaction print and to get duplicate

Occasional

1. Keep and release the customer from hold
2. Remove and close the customer account
3. Generate customer track record

End user

1. Register and view derivative price
2. Order, buy and sell
3. Transaction stop loss, book profit, place time driven orders
4. View of balance and his own trading
5. Transaction history of n months
6. Cancel trade before execution
7. Chat with authority
8. Login, logout

9. View executed order
10. Print transaction history

Testing methodologies :-

Functional testing

1. Unit testing- each module is tested individually
2. Integration testing -Individual software modules are combined and tested as a group
3. System testing- multiple system dependence is check
4. UAT- acceptance test of a user
5. regression testing- after fixing bug testing entire application
6. Smoke testing- check for critical functionality
7. Interface testing- to check the data flow between the multiple components
8. Sanity testing- behaviour working of application

Non functional testing

1. Performance testing- the speed and performance of the
2. security testing- checking for data security and leakages
3. Compliance testing- check for the product follow the rules and standards framed
4. Usability testing- how easy the application is to use
5. Compatibility testing- check for compatibility with environment
6. Stress testing- handling of large amount of data

Tools:-

Manual and automated tools are carried by using agile models and jira tools.

- Database DB
- Program language PROG
- Server APPS

Platforms :-

- ❖ Browser mozilla. IE, Eudora, netscape

Operating system

- ★ Windows, mac, linux

Deliverable:-

Before test	Test plan document, test strategy document, test case document, test design specification
During test	Test tool simulators, test data, test traceability matrix
After test	Test results, bug report, test cycle summary

Timeline:

- Newer version X week
- launch time given 3 months, and estimated time for completion is 5 months so projects need at least 5 months to complete fully.

Summary :

Testing is carried out based on the Banca specified functional and non-functional modules and features. The test conducted documents are summarised. Test is conducted by using manual testing and automation testing methods.

Approving authority :

Higher designation from Banca valley and our side are involved. there designations are project manager, project owner, test lead, test manager etc