**Test Plan of Internet based dts**

1. **Overview:**

Banca valla had decided to design and develop an internet Based DTS. The system was to provide functionalities to the following categories of users.

**1.0 Project Background:**

This document should be reviewed and approved by both the Provider and the Customer Program Manager. Provide a brief description of this project, including the purpose of the new or modified system, the functions it will perform, and the business processes that the system is intended to support.

**2. Scope:**

**in scope:**

What are the features to be tested?

* We test the login/logout features of the application.
* We test the payment/transaction features of the application.
* We test the text features of the application.
* We test the trading features of the application.
* We test the queries and support features of the application.
* We test the order feature of the application.
* We test the cancel feature of the application.

**out scope:**

What are the features not to be tested?

* Ability to place a customer on hold after which the customer would not be able to continue to trade.
* Ability to release a customer on hold.
* Ability to close a customer account and remove the customer from the customer list of the system and the bank.
* Ability to generate customer trading details including payment track record

## 3. Quality Objectives:

* Ensure the Application under Test conforms to functional and non-functional requirements.
* Ensure the UAT meets the quality specifications defined by the client.
* Bugs/issues are identified and fixed before go live.

## 4. Test Methodology:

1. Functional and Non-functional
2. Verification and Validation

## 5. Test Level:

* Integration Testing.
* System Testing.

## 6. Testing Tools:

     This project needs some tools for test execution.

|  |  |  |
| --- | --- | --- |
| Tools | About tools | Purpose of tools |
| Jira | Bug/issue tracker | To track the bugs. |
| Zephyr | Test management tool | To create test cases, test cycle and test execution reports. |
| Bugasura | Defect Management | To manage the defects. |
| Burp suite | Security testing | End – End security of the applications. |

**7. Test Environment:**

To test the entire project including software and hardware specification.

**Hardware Configurations**

|  |  |
| --- | --- |
| System | Configurations |
| OS | Linux, Windows and Mac |
| Processor | 1GHz, Intel core i3 |
| RAM | 4GB |
| Hard disk | 500GB |

**Software Configurations:**

|  |  |
| --- | --- |
| System | Configurations |
| Browser | Chrome, Firefox and Brave |
| OS | Windows |

**8. Test Coverage:**

* Finding the area of a requirement not implemented by a set of test cases
* Helps to create additional test cases to increase coverage
* Identifying a quantitative measure of test coverage, which is an indirect method for quality check
* Identifying meaningless test cases that do not increase coverage
* Implementing Test Design Techniques

**9. Roles & Responsibility:**

|  |  |  |
| --- | --- | --- |
| **Name** | **Role** | **Responsibilities** |
| Vandana | TESTER/TEAM LEAD | Scope and Overview |
| Sangilivijay | TESTER | Testing Environment Testing Tools |
| Tushar | TESTER | Testing Approach |
| Darshana | TESTER | Release Control and Risk Analysis |
| Savitha | TESTER | Review and Approval |

**10. Schedule:**

* **Employee and project deadline**: The working days, the project deadline, resource availability are the factors which affected to the schedule
* **Project estimation**: Base on the estimation, the Test Manager knows how long it takes to complete the project. So he can make the appropriate project schedule
* **Project Risk**: Understanding the risk helps Test Manager add enough extra time to the project schedule to deal with the risks

## 11. Test Deliverable:

**11.0** Test Strategy

**11.1** Test Plan

**11.2** Test Scenarios

**11.3** Test Cases

**11.4** Test Data

**11.5** Requirement Traceability Matrices

**11.6** Test Matrices

**11.7** Test Incident Report

**11.8** Daily Status Report

**11.9** Test Summary Report

**11.10** Traceability Matrices

**11.11** Release Note

**11.12** Test Closure Report