**Test Strategy for Internet based DTS**

* **Scope**
* Reviewed by– Vandana (TEAMLEAD)
* Approved by -Tarun (Trainer)
* Testing activities carried out with timeline.

**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 .

**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?

Don’t need to test the performance testing.

* **Test Approach**

**Process of Testing**-

* Test strategy.
* Test Plan.
* Test Design.
* Test Environment.
* Test Execution.
* Test Report.
* Defect Report.
* Test Summary Report.

**Levels of Testing**-Unit Testing, Integration testing , System testing, User Acceptance testing.

**Types of Testing**- Dynamic Testing, Static Testing.

**Testing Approach**- Top-Down Approach

**Roles and Responsibilities-**

|  |  |  |
| --- | --- | --- |
| **Name** | **Role** | **Responsibilities** |
| Vandana | Test Lead | Scope and Overview |
| Sangilivijay | Test Engineer | Testing Environment Testing Tools |
| Tushar | Test Engineer | Testing Approach |
| Darshana | Test Engineer | Release Control and Risk Analysis |
| Savitha | Test Engineer | Review and Approval |

* **Test Environment**

Which operating system, configuration, version etc

            Which are all environments to test the entire project including software and hardware specification.

**Hardware Specification**:

              System                   Specification

               OS                         Windows 10

   Processor             1GHz,intel core i3

   RAM                     4GB

   Hard disk              500GB

**Software  Specification:**

 Web Server             Name

               Browser                    Chrome , Mozilla Fire Fox , Safari ,Internet Explorer

The IDTS customers would access the applications using browsers,Excepted distribution of browsers that would be used by customers are:

           IE- 45%

           Mozilla-35%

           Netscape-17%

           Eudora-3%

* **TEST TOOLS**

This project needs some tools for test execution.

* For issue tracking tool Jira
* For test management tool Zephyr
* For testing the web application Selenium
* For the Security purpose Burp suite.
* For data base testing SQL
* For Application performance interface (API) testing Postman
* For Defect management tool Bugasura

* **Release Control**
* Banca Valla wants to launch this system in 3 months as per the Stack holders in version 1.0
* During that even estimates reveal that it would take 5 months to complete this system with all the identified functionality.
* Version 1.0
* Version 1.1.1
* **Risk Analysis**
* Security risk
* Network risk
* Security: If you receive the error message, "Security error: bad record message authentication code (MAC)," while trying to livestream, it means a secure connection could not be established. There are a few possible causes: Incorrect Date / Time: If the date and/or time on your device isn't set properly, it can cause this error.
* Network: A network error is the error condition that caused a network request to fail. Each network error has a type, which is a string. Each network error has a phase, which describes which phase the error occurred in: dns. the error occurred during DNS resolution
* **Review and Approvals**
* Functionalities of are reviewed and sign off by the business team, project management, development team.

Review the features testing is done or not ,est lead is approved by the documents.

* All these activities are reviewed and signed off by the business team,project management, development team etc,
* Summary of review changes should be traced at the beginning of the document along with approved date, name, and comment

* Testing activities carried out with in timelines by-savitha, Sangilivijay, Vandana Raheja, tushar Sharma, darshana hirlekar