**1. Scope of Testing**

**Features to be tested**

* Functional Testing: Verify all system functionalities for administrators, managers, and customers, including access control, order processing and commission calculations.
* Compatibility Testing: Ensure system compatibility across all browsers the customer base uses.
* Performance Testing: Validate that system load times meet the 5-second maximum and that the system can handle double the highest number of users at a time on the platform.
* Security Testing: Ensure compliance with NSEs and proper handling of user sessions and financial data.
* Compliance Testing: Verify adherence to the regulations set by the Securities Exchange Board of Vietaly.

**Features not to be tested**

* All the new features not to be tested

**2. Schedule**

* Requirement Analysis: 1 week
* Test Planning: 1 week
* Test Case Development: 2 weeks
* Test Environment Setup: 1 week
* Test Execution: 1 week
* Test Closure: 1 day
* Total Timeline: 10 weeks

**3. Test Objective**

* To confirm that Banca Valla’s IDTS meets all specified requirements and functions as intended for different user categories.
* To ensure IDTS is secure performs efficiently and complies with all regulatory standards.
* prepare the system for a timely, robust launch with minimal bugs and issues.

**4. Test Criteria**

* Entry Criteria
  + Requirements documentation is complete and approved.
  + The test environment is fully set up and functional.
  + Test data and test cases are reviewed and finalized.
* Exit Criteria
  + All high and medium-priority test cases pass.
  + No critical or high-severity defects remain unresolved.
  + All regulatory and security compliance checks are satisfied.

**5. Resource Planning**

* Personnel:
  + Test Lead: 1
  + Test Engineers: 3

**Automation Tools:**

* **Selenium**: For browser compatibility and functional testing.
* **JMeter**: To simulate user loads and test system performance under stress.
* **JIRA**: For defect tracking and reporting.
* Hardware/Software: Servers, network configurations, and databases access to browser variations (IE, Mozilla, Netscape, Eudora).

**6. Test Environment**

* Servers: Application server (APPS) and database server (DB).
* Browser Configuration (Distribution among each): IE (45%), Mozilla (35%), Netscape (17%), Eudora (3%).
* Network Setup: Configured to mimic expected network conditions.
* Integration: Interfaces with core banking, demat management system, and NSE’s DTS for live transactions and data feeds.

**7. Deliverables**

* Test Plan Document: Comprehensive plan detailing testing scope, approach, and criteria.
* Test Case Document: All test cases covering functional, performance, and security aspects.
* Test Execution Report: Report summarizing test results, defects, and pass/fail rates.
* Defect Log: Detailed log of identified defects with status and resolution.
* Test Summary Report: Final report detailing test outcomes, system readiness, and recommendations for production release.