Functional Requirements Document (FRD)

Project Name : Santander

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# Purpose

The purpose is to gather all Functional Requirements to add a stock exchange feature in the Santader application .

# Functional Requirements Document

| **File** | **Requirement** | **Description** | **Priority** |
| --- | --- | --- | --- |
| FRD-001 | User Registration and Account Setup | Users must be able to register, set up trading accounts, and perform KYC checks. | High |
| FRD-002 | Real-Time Market Data Feed | Provide real-time stock prices, volume, and market depth data. | High |
| FRD-004 | Portfolio management | Users must be able to view their portfolios, track performance, and analyze risk. | Medium |
| FRD-005 | |  | | --- | | Notification System |  |  | | --- | |  | | |  | | --- | | Users should receive trade confirmations, market alerts, and margin calls. |  |  | | --- | |  | | Medium |
| FRD-006 | |  | | --- | | Mobile Trading Application | |  | High |
| FRD-003 | |  | | --- | | Buy and Sell Order Placement |  |  | | --- | |  | | Users must be able to place market, limit, stop-loss, and other types of orders. | High |

### 2.2 Non-Functional Requirements

| **File** | **Requirement** | **Description** | **Priority** |
| --- | --- | --- | --- |
| NFR-001 | Performance | The system should support up to 100,000 concurrent users and handle peak trading. | High |
| NFR-002 | AML | Strong regulation of the payments | High |
| NFR-003 | Availability | The platform should maintain 99.99% uptime with disaster recovery mechanisms. | High |
| NFR-004 | |  | | --- | | Usability | | |  | | --- | | The interface must be intuitive, with responsive design for mobile and web users. |  |  | | --- | |  | | Medium |
| NFR-005 | |  | | --- | | Scalability |  |  | | --- | |  | | |  | | --- | | The system must be scalable to accommodate future growth in user base and volume. |  |  | | --- | |  | | Low |