→ Stock management system

1. Introduction

1.1 Purpose of the document
Document highlights requirements for a func. financial stock management system that allows bankers, investors etc to manage portfolios, execute trades

1.2 Scope
Highlights the func and non fun reqs for system. Covers arch, performance goals and budget.

1.3 Overview
The system provides a platform for users to monitor stock price, manage portfolios, execute buy/sell and generate performance reports.

2. General description
→ monitor prices, manage portfolios, buy/sell
→ Facilitate trade execution, manage client portfolio
→ Manage user acs, monitor system perf
→ Real time stock market data feed.
→ Portfolio tracking

3. Func reqs

3.1 User reg

Users can register and login

System permission

3.2 Real time stock data

System provides real time stock and financial prices

Users can search for stock.

3.3 Portfolio management

Users can view manage portfolios

3.4 Order execution

System allows to execute stock buy and sell orders, including market orders, limit orders and stop loss orders

The system must confirm trade execution and update portfolio realtime

4. Interface reqs

4.1 User interface

System provides a user friendly web or mobile interface

4.2 External system interface

System must integrate with stock exchange and financial data providers

Integration w/payment gateways and banking system for fund transfers

5 Performance reqs

    5.1 system load

      System must handle 1000 concurrent transactions

    5.2 Response time

      Realtime stock data updates should occur

6. Design contraints

    6.1 compliance

      System must comply with the financial regulatory

    6.2 Tech stock

      System must be built on scalable technologies such as cloud with arch.

7. Non functional req.

    7.1 security

      store encrypted data

    7.2 reliability

      99.9% uptime

8. ~~Rela~~ Preliminary schedule and budget

8.1 Timeline		8.2 Budget	
Req. analysis :	1 month	Development :	$250000
Development :	4 months	Integration :	$50,000
Testing and QA :	1 month	maintenance :	$15,000 per year
Deployment :	2 weeks		