

STOX APP

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INTRODUCTION

Our core goal is to create a stock market simulator which will provide novices to the market a safe introduction by allowing for simulated trading on real-time stock and crypto market data using fake currency.



STAKEHOLDER ANALYSIS



01 STUDENTS

Using a stock market simulator will allow students to get hands on experience with the stock market and gain valuable skills and knowledge that they can use later.

02 PROFESSORS

The professors can better teach their students by having them apply the strategies learned to our simulated stocks.

03 PEOPLE INTERESTED IN STOCKS

Try out different strategies and buy stocks that they normally would consider too risky

TECHNOLOGIES



ANGULAR



HTML



NODE.JS



CSS/BOOTSTRAP



EXPRESS



MONGODB

FUNCTIONAL REQUIREMENTS

The application must allow the user to:

- Simulate stock/crypto trading with real-time data and virtual money
- “Compete” with other users / view leaderboard
- Securely create a Stox account
- View recent news articles relating to stocks
- Favorite particular stocks for easy access



NON-FUNCTIONAL REQUIREMENTS



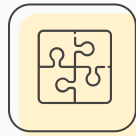
ACCESSIBILITY

- W3C Accessibility Standards
- WAVE Web Accessibility Evaluation Tool



USABILITY

- Interface usability testing
- Intuitive application



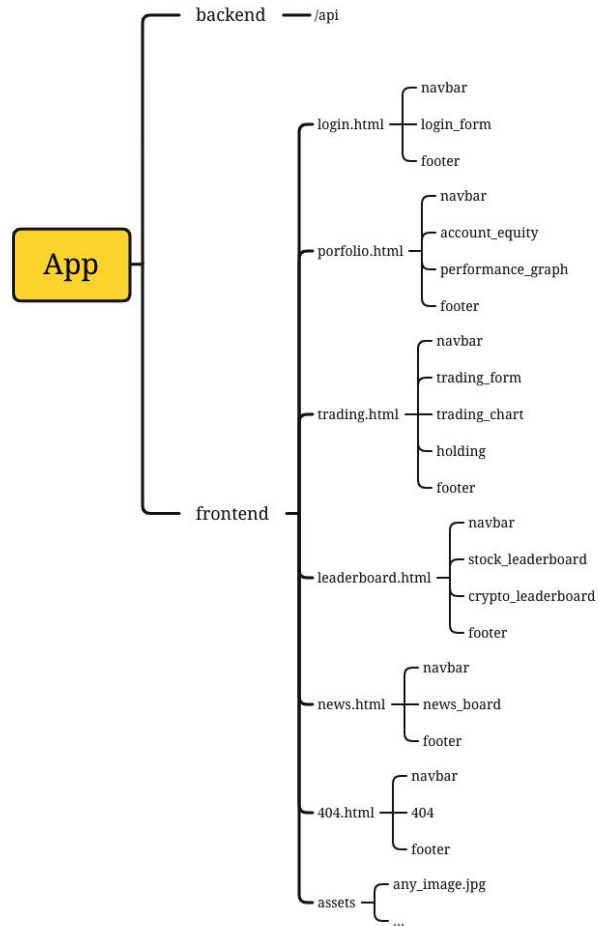
COMPATIBILITY

- Compatible with various web browsers
- Responsive for mobile access



SECURITY

- Secure account creation



SITE MAP

WIREFRAMES (DESKTOP VER.)

Home Trade News Leaderboard Login

Username

Password

Login

Home Trade News Leaderboard [username]

Welcome back [username]!

Performance Graph:

Overview:

Total Money: 123,456

Changes: -\$600

% Change: -40%

Owned Stocks:

AAPL: -1.28%

PG: 0.28%

Home Trade News Leaderboard [username]

Trade

Company Symbol


Buy/Sell

Quantity

Length/Duration

Submit

Company Information



Holds

Symbol

Days Remaining

Quantity

GOOG

3

8

Home Trade News Leaderboard Login

News

Kohl stocks rise as takeover offers comes in.

lorem ipsum.....

Microsoft buys out Activision Blizzard, causing a jump in its shares.

lorem ipsum.....

Twitter brings NFTs through profile pictures!

Home Trade News Leaderboard [username]

Leaderboard (Stock)		Leaderboard (Crypto)	
Rank	Username	Total Money	Today's Change:
▲ 1	first_place	\$11,230,867.00	+\$3,274,987.00 (+30%)
▼ 2	insert_second	\$10,034,117.00	-\$987,238.00 (-10%)
■ 3	3rd4vr	\$9,684,817.00	+\$743,023.00 (+6%)
▼ 4	4thplace	\$8,932,200.00	-\$437,104.00 (-5%)
▼ 5	fifth	\$8,884,386.00	-\$987,154.00 (-10%)
▼ 65731	[username]	123,456	-\$600 (-40%)

Home Trade News Leaderboard Login

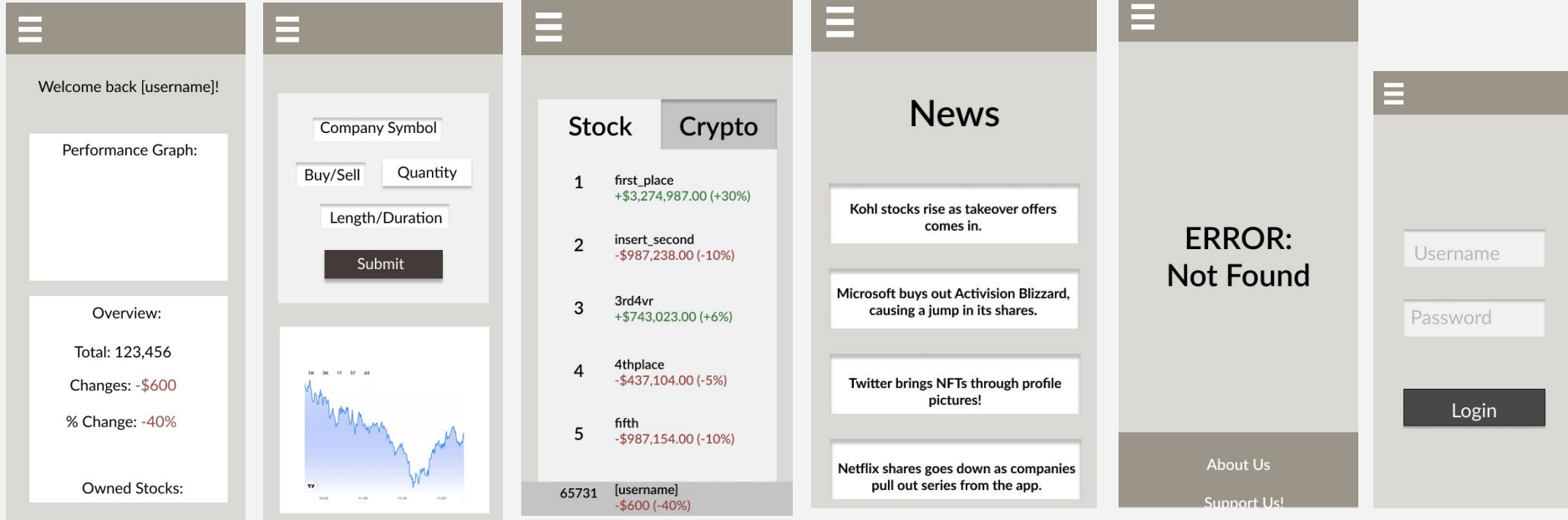
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WIREFRAMES (MOBILE VER.)



QUESTIONS?

