

Finance Info App

Overview

Purpose

Investors and stock market enthusiasts face challenges in quickly accessing and understanding stock information. When using current financial apps to search for specific stock tickers and viewing relevant information, the users fail to get an authentic user experience and they usually get overwhelmed with a flood of data.

Our goal is to create a simple, seamless finance app that allows users to easily search for stock tickers, access stock performance overviews, and view essential financial statements in a user-friendly manner.

Audience

- Financial advisors seeking a quick reference tool for their clients.
- Investors looking for easy access to stock information.
- Students and finance enthusiasts wanting to learn about the stock market and listed companies.

Major Functions

1. Homepage

- Display trending stocks and featured stocks
- Navigation to Search Page and Sign-in Page.

2. Search Page

- Input field for stock ticker search.
- Displays search results as review cards, showing:
 - Stock ticker symbol.
 - Current price,
 - Open and Closing prices
 - Volume of trade
 - Percentage change (day).

3. Stock Info Page (upon clicking a card)

- Detailed view of selected stock, including:
 - Price summary (current price, daily high/low).
 - Financial statements (Income Statement, Balance Sheet).
 - Graphs depicting stock performance over time.
 - Key financial ratios (PE ratio, market cap).

4. Sign-in Page

- User authentication to save favorites and preferences.
- Option for password recovery and account creation.

Wireframes of Major Views

Mobile Wireframes:

1. Homepage

- Header with app logo and navigation.
- Cards displaying trending stocks.
- Button for navigating to the Search Page.

2. Search Page

- Search bar at the top.
- List of cards with stock results below.

3. Stock Info Page

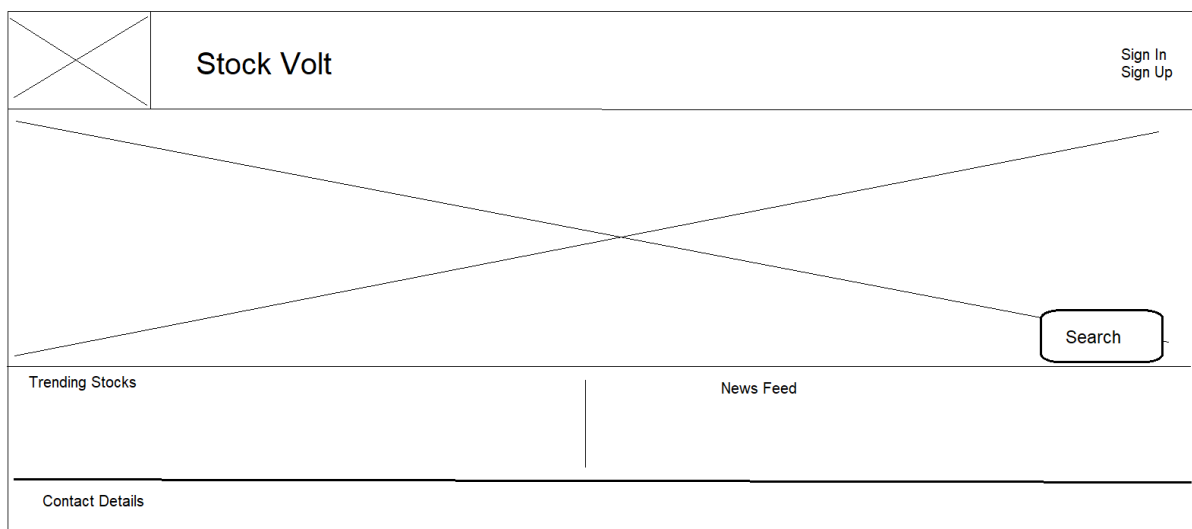
- Stock header with ticker symbol and current price.
- Tabs for Financial Statements and Price Summary.

4. Sign-in Page

- Fields for email and password.
- Buttons for Sign In and Create Account.

Desktop Wireframes:

- Similar layout to mobile, but with expanded views for detailed information and side navigation for easier access to various sections.



Index.html

Stock Volt

Sign In
Sign Up

Search for Stock

Search.html

Stock Volt

Sign In
Sign Up

Ticker Results

Ticker 1

Ticker 2

Ticker 3

Searchresult.html

External API Data Source(s)

- **Financial Market Data API** (e.g. Alpha Vantage, Yahoo Finance API) for historical stock prices, and financial statements.

Modules

1. **Search**
 - Implementing the search feature and displaying results.
2. **Authentication**
 - Sign-up, Login, and Logout functionality.
3. **Stock Info**

- Fetching and displaying detailed stock price summary.

4. **Financial Statement Info**

- Fetching and displaying detailed ticker financial statement.

5. **Balance Info**

- Fetching and displaying detailed ticker balance sheet.

6. **Utilities.**

JavaScript (JS) Files

app.js, auth.js, search.js, stockInfo.js, preferences.js

CSS Files

styles.css

- General styling for the app, including layout and typography.

JSON Files

1. **data.json**

- Sample data for testing (optional, depending on API usage).

HTML Files

1. **index.html**

- Main entry point of the application (homepage).

2. **search.html**

- Page for searching stock tickers.

3. **searchResult.html**

Page for stock tickers results

4. **stockInfo.html**

- Detailed view for individual stock information.

5. **signin.html**

- User authentication page.

6. **404.html**

- Custom error page for handling non-existent routes.

Additional Files

- **.env**

- Configuration file for environment variables (e.g., API keys).

Color Palette

- **Primary Colors:**
 - Navy Blue (#001F3F) for headers.
 - Light Grey (#F2F2F2) for backgrounds.
 - Accent Green (#2ECC40) for actionable buttons and highlights.
- **Typography:**
 - Font Family: Sans
 - Headings: 24px, Bold
 - Body Text: 14px, Regular

Schedule

Week	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
5	Research	Research	Finalise API	Set up development env	Develop Homepage	Search Page functionalities.
6	Implement Stock Info Page and connect to API.	Build Sign-in Page	User Preferences Module	Conduct UI/UX testing and refinements	Final testing and prepare for launch	

Trello Board

- Link to Trello Board (<https://trello.com/b/7wrG1meb/finance-info-app>)
 - **Cards Include:**
 - Research APIs
 - Design Wireframes
 - Develop Homepage
 - Implement Search Functionality
 - Connect to Stock Info API
 - Build Sign-in Functionality
 - Conduct User Testing
 - Final Deployment Preparations

