🛠️ Assignment Task

Build a Stock Market Dashboard Web Application with the following features:

UI Design:
- A clean, responsive webpage
- Left panel: Scrollable list of at least 10 company names
- Main panel: Chart area to display stock price data when a company is selected

Data Handling (Choose one):
- Use a sample/mock stock dataset (e.g., NSE/BSE/Yahoo Finance)
- OR fetch live data via a public API (e.g., yfinance)

Backend (Preferred but Optional):
- Build a REST API using Python (FastAPI/Flask) or Node.js
- API should serve the company list and historical stock data
- Store data using PostgreSQL or SQLite

Frontend:
- Use HTML/CSS/JavaScript or ReactJS
- Display stock data using Chart.js, Plotly, or any charting library

Bonus (Optional):
- Deploy your app on Render, Railway, Vercel, or any free cloud VM
- Dockerize your project
- Add features like 52-week high/low, average volume, or technical indicators
- Include an AI-based prediction feature (e.g., next-day price prediction)
- Write brief documentation or a README

📦 Deliverables

Please share a GitHub repository link with:
- Complete source code
- Sample dataset (if applicable)
- Screenshot or deployed project link (if available)
- A short note (200–300 words) explaining:
  - Your development approach
  - Technologies used
  - Challenges you encountered

📑 Evaluation Criteria

- Code quality and structure
- Frontend/backend integration
- Understanding of stock market data
- Use of AI/ML for prediction

- Deployment or dockerization (if done)
- Creativity and attention to detail

✦ Why This Is Worth Doing

Even if you're not selected:
- You'll gain a strong fintech project for your portfolio
- Improve your backend/frontend and AI skills
- Stand out in future job or internship applications

We look forward to reviewing your work!

Best regards,
Team JarNox