Personas

1. Data Administrator (System Maintainer)

Age: 35-45

Role: The Data Administrator is responsible for overseeing the system's operations, ensuring the stock data is up-to-date, and managing the infrastructure.

Motivation: Ensure the system operates smoothly and data is correctly updated without errors. They are focused on minimizing manual intervention and ensuring reliability.

Pain Points: Monitoring data accuracy, handling missing data, and ensuring that updates are done efficiently without data duplication.

2. Financial Analyst (End User)

Age: 28-40

Role: A financial analyst uses stock data to analyze trends, make predictions, and support decision-making for investments or trading.

Motivation: Access reliable, up-to-date stock data for analysis. They need data presented in an easy-to-understand format, whether in tables or charts.

Pain Points: Inconsistent data formatting, missing or outdated stock data, difficulty in accessing historical data quickly.

3. Investor (Optional)

Age: 25-60

Role: An individual or institutional investor who makes financial decisions based on the analysis provided by the financial analysts.

Motivation: To make informed investment decisions based on historical data and trends.

Pain Points: Slow access to data, incomplete datasets, and unclear visualizations.