10-9-19

Created stockTracker folder. Initialized local git repo. ‘npx create-react-app’ to create app. npm install antd, react-chartsjs-2, and mdbreact. Need to import an antd css thing in App.js for antd to work. Created chart component, layout component, and button components for changing data.

10-10-19

Can’t get chart to update to new data properly. ‘react-chartjs-2’ wrapper may have some limitations so try using plain old ‘chart.js’ and follow tutorial. <https://blog.bitsrc.io/customizing-chart-js-in-react-2199fa81530a>

10-12-19

npm install ‘@nivo/bar’ in react-app folder, following tutorial. <https://medium.com/@samuelsetsoafia/nivo-a-great-alternative-to-d3-in-react-6cb18d907d2>

npm install ‘@nivo/line’

Starting using nivo for charts instead of react-chartjs-2 and its WAY BETTER! Definitely going to use this from now on.

10-13-19

Signed up for Alpha Vantage for price data. API key: CNZNC9E1VXS28LJ8

10-14-19

Following Alpha Vantage getting started guide:

<https://medium.com/alpha-vantage/get-started-with-alpha-vantage-data-619a70c7f33a>

10-26-19

‘pip install –upgrade pip’ to upgrade pip. ‘pip install requests’ a python package for managing api calls. Made ‘getStockPrices.py’.

11-1-19

Built function get last 100 days price data for dow stocks. Inserted a sleep timer so I don’t go over the AlphaVantage limit. Saved all to json.

11-2-19

Added stock symbols to the priceData json. Loaded it into react and had componentDidMount parse the data into a form for nivo line. Added buttons to toggle data view.

TO DO

Alpha Vantage allows 5 api calls per minute and 500 per day. So set up a script that queries stock data and saves it to a json file which will later be accessed in componentDidMount() of main component and loaded into data state.

Check out antd autocomplete component for searching for stock symbols.

Grab moving averages from alphavantage moving averages; perhaps 20,50,100,200.

Alpha Vantage API Docs: <https://www.alphavantage.co/documentation/>

Maybe a useful project: <https://github.com/zackurben/alphavantage>