

Welcome to SumUp Analytics Full-Stack Development Test

Spend the time you need on this, as long as it remains reasonable

When you are done, please make sure to save and collect everything and enjoy the rest of your day!

We will be in touch within a few days to discuss with you

Write a small program using Python 3, which serves a single web page displaying a stock chart.

We expect to receive a folder containing a Python3 script and optionally some additional files (HTML / CSS / Javascript). We should be able to execute the Python script and then visualize the stock chart at the address <http://localhost:7777>

Your submission will be judged on code quality, readability and design choices. It does not matter if the end result is not visually appealing.

Remember that less is more! We value code quality over quantity. In that vein, you are allowed to use any third party API's or code, so you won't have to reinvent the wheel.

Obtaining stock prices:

To retrieve the stock prices we suggest using Quandl.

You can use this API key: zC992yeEkw5VTye5PFJY

For security reasons, we will prefer solutions where the API key is only visible in the python server-side code, and not in the Javascript code.

You can obtain a csv of Apple's end of day prices using this call:

https://www.quandl.com/api/v3/datasets/EOD/AAPL.csv?api_key=zC992yeEkw5VTye5PFJY

You can find more examples of end-of-day data at this link:

<https://www.quandl.com/data/EOD-End-of-Day-US-Stock-Prices>

On the Javascript side, you can use any charting library of your choice.

Extra credit:

- In addition to the stock price, optionally visualize a moving average of the price
- Allow the user to select among a list of stocks and display their price

Thank You!