

INSTRUCTIONS: Read and understand the problem carefully. Make sure to provide what is asked for while using best coding practices. You may use online resources when looking up Python syntax and Python-related documentation but we ask that you refrain from Googling the solutions to these problems online.

Python Web Programming

Build a simple trading system as a pure REST API with the endpoints given below. We want the users to be able to place orders to buy and sell stocks and track the overall value of their investments. Stocks will have an id, name, and price.

For this example, there is no need to have the user authenticated (but if you can, that would be better). You can assume that there is only one account/user calling the API.

- Create an endpoint to let the user place orders. Each order should have the stock, quantity, and price. Each order the user places should be recorded.
- Create an endpoint to retrieve the total value invested in the user's portfolio. Plus points if the user can retrieve data on an individual stock.

What we will be looking for:

- Following best practices of Python3 and PEP-8
- Use of ORM (Django)
- The good testing practice is a plus
- Code readability, reusability, and maintainability.

After the time limit, please email or send the GitHub link of your output. Thank you!