

Backend Engineer Challenge

The challenge

Build an API for managing portfolios and transactions within a portfolio, and an API to return the 30 day returns for the portfolio.

What do we provide?

We provide a dataset with ASX ticker prices for a period of time.

What do we expect?

The API should be able to handle CRUD operations such as:

- creates a new portfolio
- bulk upload of transactions
- modification to transactions uploaded

Provide an api that calculates the portfolio return (a set of transaction information) for the last 30d portfolio with a daily data point

Some definitions

- A transaction consists of the following fields (for simplification): transaction type (buy/sell), ticker, date, amount, price and currency
- We recommend using Typescript (preferred) or PHP Symfony for the implementation.

Other considerations

- Please describe any assumptions, shortcuts or future possible implementations
- You can use AI, we'd like to hear how you use it.