

# Banksalad

## Server Engineer

### 사전 과제

Thanks you very much for your interest in Banksalad and application for the position. This will be a good opportunity for us to know you better and more. Here is the information for the take-home assignment. Please submit the completed version of your assignment **on time**. It will be thoroughly reviewed and the feedback will be given in a short period of time.

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## Description

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In the language of your choice, write a web service that takes in an US stock symbol (e.g. AAPL, GOOG) and returns a single buy and sell date that yields the max profit over the last 180 days.

You may use any third-party api to retrieve historical stock prices. Please include a README describing your web service and appropriate documentation.

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- \* Algorithm

- Correctly and efficiently return the max profit

- \* Design

- Provide clear abstractions between the api, business, and data layer
- The third-party data source should be easily interchangeable
- Components are reusable/testable

- \* Testing

- The profit calculation is thoroughly tested  
(Consider the different ways price history can vary)
  - Other components are reasonably tested
  - Submissions without tests will be rejected
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## When You're Done

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Zip up the entire project directory and send it back. Please name it "Banksalad\_name"(eg. Banksalad\_김뱅샐). Please do not upload the project to a public location (such as Github).

We appreciate your effort for this assignment. Wish you the luck for your hard work!

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