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# Take-home Assignment

## OVERVIEW

The purpose of the assignment is for us to get a better understanding of your technical skills and focus. We hope that you will have had the time to finish the project by this time next week. Spend a few hours (less than a day) on it and attach a summary of what you would have done given more time. The most important things are structure and code cleanliness.

## PROBLEM STATEMENT

Create a server that allows you to look up a country by name and returns the full name, population, and a list of its official currencies including the current exchange rate to IDR. Requests should require a valid JWT obtained from a separate /login endpoint(make your assumptions here for partial flow, OAuth2 flow is preferred). Store the exchange rates of the currencies queried so far by users for audit purposes.

As a bonus rate-limit the APIs to 30 requests per minute.

Please use the following open APIs for this exercise:

- <https://restcountries.com/> (country lookup and general information)
- <https://fixer.io> (exchange rates) The assignment requires using the free api key that you can obtain by registering an account at [fixer.io](https://fixer.io).

## GOALS

1. Create a **private** repository in Github and add our accounts(will share via email) to review
2. Let your imagination and drive to do things the right way run wild. We love that!