

Candidate Project

The candidate project is broken into two sections. A short practical test, and an integration project.

Practical Test:

You will be given a **1 hour** window to complete the practical test. Whenever you are ready to begin, please email swillan@gonetccoins.com and the test file will be sent to you.

Upon completion of the test, please email the file back to swillan@gonetccoins.com.

Integration Project:

The integration project is designed to test your knowledge and skills of Object Oriented Design Patterns. You will be expected to submit the project within 3 days. It is likely that you will finish well before this, but we like to give the opportunity to refactor and improve on the code you have written.

Requirements

1. PHP 7+
2. Laravel, or Lumen, or a plain PHP project
3. GitHub

Task

Create a small API which consolidates some key data from a third party.

Your API must connect to the third party API “CoinGecko”, the documentation for which can be found here: <https://www.coingecko.com/en/api/documentation>

The CoinGecko url is as follows: <https://api.coingecko.com/api/v3/>

We require the following 2 CoinGecko endpoints to be consumed:

- Simple Price - /simple/price
- Coin Market Data - /coins/markets

You should only support BTC, ETH, and LTC. The ids for which are as follows:

- Bitcoin - "bitcoin"
- Litecoin - "litecoin"
- Ethereum - "ethereum"

The acceptance criteria for this project requires that:

- We have our own endpoints to adapt the specific CoinGecko data.
- A user/consumer must be able to retrieve the list of **supported coins**
- A user/consumer must be able to retrieve the **current price** in **usd** of any of the supported coins.
- A user/consumer must be able to retrieve the **24H High** and **Low** price of a supported coin in **usd**
- The **code** must be able to support easily switching to a new third party, should we decide that CoinGecko is no longer the best choice.

Delivery

Assuming you already have a GitHub account, please create a temporary repository that we can access (private or public, whichever suits you best) to deliver your project. If you do not have a GitHub account, please zip up the project files and send them via email to swillan@gonetcoins.com