Developer Test

In London, there is nothing more important than knowing the best way to get around. To help our hard-working Transform staff, write an application to display the next trains due to arrive at Great Portland Street underground station.

Success criteria:

- We want it to be useful to all our colleagues, so the train information must be displayed clearly
- We want to see the code, so you need to submit it to a public source control repository such as Github - show your workings!
- We want to run your code, so make sure you include instructions for someone technical to install it locally
- We want to understand your code, so make it clear!
- We will be judging first on function, then visual style, so you can make it pretty, but it has to work.

Implementation Notes

Here at Transform, we're technology-agnostic, so you can use whatever language or framework you choose. We'd prefer a web application, but if that's really not your thing you could output to a command line console, or into a file. The result has to be clearly readable by a human.

You will find these links useful:

- https://api-portal.tfl.gov.uk/apis
- https://blog.tfl.gov.uk/2015/10/01/tfl-unified-api-part-1-introduction/
- https://blog.tfl.gov.uk/2015/12/07/unified-api-part-5-aot-arrivals-of-things/

Although they recommend registering, it isn't mandatory, and the relevant calls should work without an API key. You might find your app is rate-limited but that's fine for this exercise.

Stretch Goals

We don't want you to spend too long on this test - an hour or two should be plenty. But, if you're really into it and want to keep going, here are some ideas:

- Display the trains by the platform they're arriving at
- Display the trains in order of which one is due next
- Have the output auto-update so it's always showing the latest information

Bear in mind...

We will be asking you to present your solution, how you built it, and why you made the choices you did, to our development team. So, you might want to make notes as you go.