

## Developer Interview Task - 2022

### Introduction

Thank you for applying to join our development team. This task has been designed to allow us to see your PHP knowledge and how you approach a problem.

We recommend you take no more than 1 hour to complete this challenge, and remember if you don't complete every single item outlined, that's not the end of the world - this test is more about your approach and how you choose to implement your solution.

### Goals

There are a few key goals to keep in mind with this test:

- How can you make your code testable?
- How can you ensure your code is open to expansion in the future in a backwards compatible way?
- Remote APIs are often unstable, how will you handle this instability?
- Don't reinvent the wheel; if there's a well established composer package that could help, feel free to use it.

We work with a lot of third party APIs, often across many projects, so we want our code to be maintainable, flexible and sensibly normalised to mask implementation details about the underlying API.

### The Task

Create a Composer package that provides a service for retrieving users via a remote API (integrate with the <https://reqres.in/> dummy API for the purposes of this test).

The service should support:

- A method to retrieve a single user by ID
- A method to retrieve a paginated list of users
- The service should convert the returned data to a simple, JSON serializable user model for consumption by the user of the package.