

# Technical Test

Please submit the following via a GitHub repository.

## Exercise 1

Create a React App (*feel free to use Facebook's create-react-app*) to show the current time in one of Europe's time zones.

The application should allow the user to select a time zone from a list and have that selection reflected in the UI.

You can use the following API to get a list of timezone countries:

[http://api.timezonedb.com/v2.1/list-time-zone?key=XWSLLPX5RMIZ&format=json&zone=Europe/\\*](http://api.timezonedb.com/v2.1/list-time-zone?key=XWSLLPX5RMIZ&format=json&zone=Europe/*)

And this one to get the time from a particular zone:

<http://api.timezonedb.com/v2/get-time-zone?key=XWSLLPX5RMIZ&format=json&by=zone&zone=Europe/London>

The selected timezone time should update every five seconds.

**Please take advantage of React 16+ features**, if there are any doubts around certain areas or implementations, please feel free to comment the code.

TDD is ideal, but not essential however please include some simple unit tests for essential parts of the application, using the best practised and encouraged testing tools.

## Exercise 2

```
/**
```

```
 * Write your own version the function 'once' from lodash in your own way
```

```
 * to produce the same results as illustrated below.
```

```
 * https://lodash.com/docs/4.17.4#once
```

```
 **/
```

```
function add(a, b) {  
  return a + b;  
}
```

```
const onceAdd = once(add);
```

```
console.log(onceAdd(1, 2)); // 3  
console.log(onceAdd(2, 2)); // 3
```

### **Exercise 3**

This is a simple styling exercise.

Design specifications for this can be found within the zip file supplied. The task is to create a simple card component with a heading, some copy, buttons and links.

You can find the overall look and feel within (1. Request-Header (dragged)). Please ignore the overall page layout and just focus on the card element.

Please (*feel free to use Facebook's create-react-app*) to speed up development. You can use any styling tools/frameworks. We use [styled-components](#), however, you can use anything you are most comfortable.

We understand that icons out there differ, so please feel free to use any 3rd party library to attain any icons if possible, they do not need to match exactly.

**Please feel free to contact us should you need any further clarification.**

**Thanks**