



Frontend Developer Exercise

Introduction

The purpose of this exercise is for the developer to exhibit his familiarity with frontend technologies, programming patterns and to provide with a sample of what clean and reusable code means to the candidate.

Please put your comment about the decisions you have made inline, and give a summary about the architectural choices that you considered.

Considerations

- Use Angular latest or 7+ version, ES6, RxJs
- It is ok to use dependency management tools and task runners, but please make sure your exercise runs simply by opening your main HTML file in a browser.
- Please make sure the delivered package contains an unminified and human readable version of your sources.
- Please write test cases.

Exercise

Please use Open Weather Data to create a single page application that has 2 sub-pages.

1. Home/landing page: It should display a list of 5 European cities (you can choose the ones you prefer). Each city should display the city name, temperature, sunrise time and sunset time. Clicking on this tile should open another sub-page as explained in point #2 below. (Use routing)
2. For a clicked city, it should display temperature and sea level for the next 5 days at 9:00.

Achieve responsive design. (You can use bootstrap or any UI library). We would prefer if you will deliver the code using BitBucket (private repo) but also a zip file is fine.

Open Weather Data API

To complete the proposed exercise two different kinds of APIs are needed.

For example, to get the current weather data in London:

<http://api.openweathermap.org/data/2.5/weather?q=London,uk&appid=3d8b309701a13f65b660fa2c64cdc517>

More details here <http://openweathermap.org/current>

It is possible to find more information here <http://openweathermap.org/api>

Architecture

Here there is no limitation. Design your application anyway you want. Focus on clean, reusable code. Focus on frontend best practices. Show us that you know how to produce high quality modern web applications.