

Backbase 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.

Keep in Mind

- Please create a readme file that explains what you have done
- Please make sure the delivered package contains an unminified and human readable version of your sources
- Please keep it to a minimum in leveraging/using scaffolding tools/boilerplate templates/plugins. We don't expect you to create things from scratch but, we also would like to see your own creation. (Angular CLI is ok to use)
- Please create a readme file that explains what you have done
- Please apply unit tests

Exercise

You will create a Single Page Application that presents the weather of 5 European cities (you can choose the ones you prefer). Use Open Weather Data to fetch the weather information.

The assignment:

Your goal is to fetch each city's weather conditions and display them. For each city you need to display:

Name of the city

Temperature

Wind speed

When we click on one of the five city items, the app will display the forecast for the next few hours for the city that was clicked.

You are free to display this information however you see fit as long as there are no page reloads.

Deliver your code via a link to a private repository (Like bitBucket - preferred) or compressed in a .zip file.

UI/UX

Try creating something simple, user friendly and eye appealing. Feel free to use any UI resources you'd like to achieve that. For example, you could use Twitter Bootstrap, or any other UI library.

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. We would also like to see you adding automated tests (unit and/or functional) in the assignment.

Framework

We would love to see your skills using the latest version of the Angular framework

Open Weather Data API

Please read the details about the Open Weather API here: <http://openweathermap.org/current>