



Frontend Developer Exercise 2.6

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. Please don't use ES6.

Exercise

We will use CitySDK Tourism API to create a single page application that presents a list of festival events in Amsterdam consuming real time data. Your goal is to display an item with the event's name. Clicking on an item shows a map with the event's location and above the map a small text describing the location. You can adjust the UI how you see fit for the best result, but sticking to a single page application is mandatory. We would prefer if you will delivery the code using BitBucket (private repo) but also a zip file is fine.

CitySDK Tourism API

To complete the proposed exercise two APIs are needed.

For example to get the list of festival events in Amsterdam:

<http://citysdk.dmci.hva.nl/CitySDK/events/search?category=festival>

For example to get detail information about a location you can hit the following API:

<http://citysdk.dmci.hva.nl/CitySDK/pois/52527290c5cddb0a7cb654ca>

You can find more detail about those APIs

<http://www.citysdk.eu/citysdk-toolkit/using-the-apis/tourism-api/>

UI/UX

In Backbase we take pride that we have created a lean portal, with focus on UX. Your UI should reflect the same principles. 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.

Libraries

You can use any libraries you think are best but we would love to see your skills with AngularJS.

Backend

No Backend required. We should be able to run the exercise, just by opening your index.html file.

Extra points

Delivery the exercise with a readme file that explains what you have done and how to run your project.