

Frontend Assignment

Use OpenWeatherMap API to create a single page application that presents the current weather data by location.

The goal is to display the current weather data for 4 default cities by your choice that will display on initial page loading, and to provide a search form where user can search for the current weather data by city name. On submitting the search form, current weather data for the requested city will be shown, along with the forecast for the next 3 days.

You can skip the implementation of language and measure units selection, but if you choose to implement it, it would be considered as a plus.

OpenWeatherMap API

To be able to use the API, you will need to sign up to get your API key. All the details are provided here:

<https://openweathermap.org/appid>

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

<https://samples.openweathermap.org/data/2.5/weather?q=London&appid=b6907d289e10d714a6e88b30761fae22>

For example, to get the forecast for the next 5 days for London:

<https://samples.openweathermap.org/data/2.5/forecast?q=London&appid=b6907d289e10d714a6e88b30761fae22>

You can find more details about those APIs here:

<https://openweathermap.org/current>
<https://openweathermap.org/forecast5>

UI/UX

The design to be developed is provided in the “wireframes” folder. Images and icons have been provided in the “assets” folder.

The font for the UI design can be found on Google fonts:

<https://fonts.google.com/specimen/Lato>

Technology Restrictions

Design your application anyway you want. Focus on clean, reusable code. Your code should be DRY, with a focus on frontend best practices.

We are open to seeing applications written in any modern framework, but we prefer Angular or React. Explain why you've chosen a different framework in the README.

Responsiveness is required in this assignment!

You are free to use any CSS frameworks or libraries, but the final result needs to be directly useable in "index.html".

Create a "README.md" file that explains what you've done and to provide any motivations or decisions you've made. Use this to elaborate on your opinions!

Dependency management tools and task runners are okay to use for your own development, but make sure your project is able to run in the browser by just opening the "index.html" file!

Make sure your delivered package contains an unminified and human readable version of your source code.

Scaffolding tools, like yeoman or boilerplate templates, are not allowed!

Backend

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

Delivery

Deliver your solution as a .zip archive or put the project to your private GitHub repo.