

Front-end Assignment

Time to complete: 3 days

Welcome to DRAXIS Environmental S.A. front-end assignment. The goal here is to create a simple, modern and elegant weather widget using data from an API for Thessaloniki.

The data will be provided by OpenWeatherMap, using the API call provided below.

Summary

The widget should display current weather information (temperature, feels like, pressure, humidity, wind speed & wind deg, clouds and a weather icon), using the current object, returned by the API call.

Additionally, a menu should exist inside the widget, which will allow the user to select a future date (up to 7 days ahead) and display the forecast information. For the forecast temperature and feels like, you can use a mean value of day and night temperatures.

Finally, a max temperature line-chart for the next seven days should be also available.

Fetch data

Data must be retrieved using the following API call. This is a GET request.

Keep in mind that the service is restricted to 60 calls per minute.

`https://api.openweathermap.org/data/2.5/onecall?lat=40.58725980318928&lon=22.948223362612612&exclude=hourly,minutely&appid=11b0499bd13ab56063de7565a440eb97&units=metric`

[Documentation of API call](#)

Minimum Requirements

- Write clean, well-structured and maintainable code
- Component design pattern
- Usage of any modern JS Framework is welcome
- Usage of HTML5, CSS3
- Responsive design
- Elegant appearance
- Your deployed application should be working in all major browsers (Google Chrome, Firefox, Edge, Safari)