

# Palmetto Programming Challenge

## Weather App

This is a chance to challenge your creativity and coding prowess, by building a React app to display weather information. The UI implementation should prompt for a location, and display the resulting weather. There are several free weather APIs available to choose from. Pick one, consume it, and display the information you feel is relevant.

This is an open challenge and does not have a single expected solution. It is just to see how you think about and solve problems, but we want this to be something that you would be proud to deploy to production.

Code can be submitted either via a public Github repo, or a .zip file, and might be used as part of your technical interview. Please include any documentation or notes you think will be necessary for us to run your solution.

A few examples of free weather APIs:

- <https://openweathermap.org/current> (1000 free calls/day 60/min)
- <http://apidv.accuweather.com/developers/> (50 free calls/day)
- <https://www.weather.gov/documentation/services-web-api>

Things we care about:

- Does it work?
- General architecture of the solution.
- Expected technologies:
  - React.js
  - ES6+ JavaScript
  - Node.js
  - Jest

**Important Constraint:** While packages may exist to wrap calls to the API you choose, we want you to make the REST API calls yourself without using a wrapper. This helps us evaluate how well you can translate a vendor's API documentation into customer value. We do, however encourage using other packages for making HTTP requests, parsing JSON, and other needs.