

Coding Exercise

Write an application that gives you the weather forecast for any searchable city.

Acceptance Criteria

A user can search for any city and get the weather forecast.

In the search result, a user can see the current weather status and the weather for the next 5 days.

Frameworks and Libraries

We recommend React 16, TypeScript, RxJS, styled-components, and ES6; however, may use other libraries/frameworks.

You may use any CSS frameworks/UI component libraries to make your life easier, but we would also like to see your styling skills.

What We Are Looking For

- How you architect and scaffold an application
- Clean, readable and maintainable component design
- SOLID principles/Best practices
- Clear Data Flow and State Management
- TDD (we use Jest)

Other

- We would like to run your application, so please provide a clear description of how to run and test your project.
- We don't have any time limit for this test, but we believe you can finish it within a few hours.
- We would like to see a production quality project, so let us see your understanding of it from the application code and build process.
- Please provide feedback on how you feel you went with the project and explain to us, at a high-level, your technical and architectural decisions.

Sample endpoints

- <https://developer.yahoo.com/weather/>
- <https://openweathermap.org/>

Hint

- <http://erikflowers.github.io/weather-icons/>