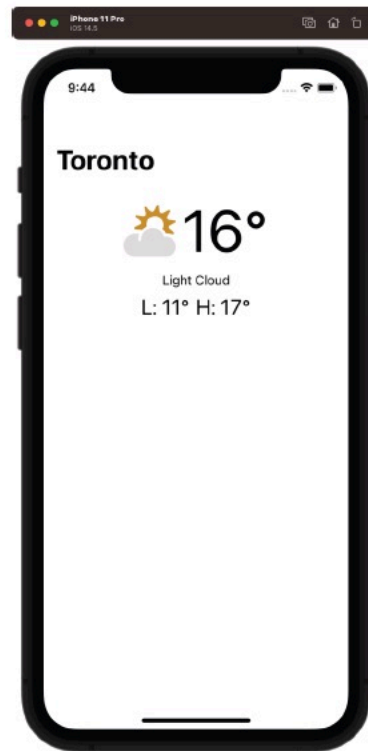Build a Weather app to show current weather data for a city from the provided JSON endpoints.

Wireframe

Requirements

Your app should...

- Handle loading, error, and empty states

- Display the returned information (feel free to add whatever UI touches you'd like)

- Setup unit tests (don't need full coverage, just basic tests, don't worry about snapshot or UI tests), or setup app to support writing unit tests.

- Don't worry about adding an icon or launch image for the app!

This project should take you around 2 or 3 hours, please try <u>not</u> to spend more time than 3 hours on this. At the end of this time, please take about 15 minutes to write up your experience in a README file to give us a window into your thought process, or talk about additional things you would like to have completed. This README should tell us...

- The trade offs you made and why

- How to run your project or any special setup

- 3rd party libraries or copied code you may have used

- Any other information that you would like us to know.

<u>NOTE:</u> **This project will be used throughout your interview experience, so please ensure that you feel comfortable modifying, maintaining, and extending this code. We also ask that you use .zip format when submitting the completed project.**

Weather API Endpoints

For this task, we provide a endpoints which will return weather information based on a location id.

<u>Required:</u>

💡 **Fetch Detailed Location Id Weather Information**

To fetch detailed weather information, use the following api call:

```
GET https://cdn.        .com/static/mobile-take-home/{location_id}.json
```

Example: https://cdn.faire.com/static/mobile-take-home/4418.json

Response:

```
{"consolidated_weather":[{"id":4805883302248448,"weather_state_name":"Light Rain","weather_state_abbr":"lr","wind_direction_compass":"WNW",
```

For the purposes of this task, you can focus on showing **current weather** in a location. You can hardcode the location ID of `4418` in the project, which will return the weather of Toronto.

Additionally, icons of the weather could be requested with the following url

```
GET https://cdn.faire.com/static/mobile-take-home/icons/{weather_state_abbr}.png
```

You can find the `weather_state_abbr` in the detailed weather response.

Show Us Your Strengths & Use What You Know

Pick an architecture for your app that is scalable and testable, given the scope of the problem. We're looking for a well written app that uses a design pattern that separates business logic from the view layer. If you're most proficient with Objective-C or Java, use that – don't feel pressured to use Swift or Kotlin! We're not going to prefer answers in one language over another.

We want to see what you're best at. Feel free to use 3rd party libraries, but please understand that we want this exercise to be a good representation of your coding ability.