Overview

We've designed the following exercise to be fairly lightweight but to also have enough breadth to get into some interesting implementation details. Please build a program that **implements** the specification below. Some guidelines to keep in mind:

- You may use any open source / **public** libraries that you like
- You may implement the solution with any language/platform you prefer (note our front-end stack is primarily React, but React is not required)
- Your future peers will be reviewing your submission so write it appropriately
- If you have any problems accessing the data sources or other questions please contact the hiring coordinator you've been in touch with to **this** point, but you should consider the spec to be complete as is.

Specification

Input:

- One or more airport identifiers

Output:

A web page with the following:

- The airport identifier
- The airport name
- The available runways
- The lat/**long** of the airport
- A current weather report that contains the following
    - Temp (F)
    - Relative humidity (%)
    - Summary of cloud coverage (text string)
        - This is the greatest amount of coverage listed **if** any
    - Visibility (Statute Miles)
    - Wind Speed (MPH)
    - Wind Direction (cardinal directions to secondary-intercardinal precision)
- A forecast report **for** the next two periods (the second and third conditions nodes in /report/forecast/conditions)
    - that contains the following entries
    - The time offset from the start of the period (/report/forecast/period/dateStart) in hrs:min
    - Wind Speed (MPH)
    - Wind Direction (degrees **true**)

Data Sources

There are two API's to fetch the data for this exercise. All HTTP requests must include the following HTTP header on every request:

```
ff-coding-exercise: 1
```

Weather Conditions API

Conditions can be obtained via a foreflight api: https://qa.foreflight.com/weather/report/KDAB

Example: https://qa.foreflight.com/weather/report/kaus

Airport API

Airport data can be obtained with the following url. NOTE: you must use a BasicAuth username and password for this API.

Username: `ff-interview`
Password: `@-*KzU.*dtP9dkoE7PryL2ojY!uDV.6JJGC9`

```
https://qa.foreflight.com/airports/<airport_identifier>
```

Example:

```
curl "https://qa.foreflight.com/airports/kaus" \
     -H 'ff-coding-exercise: 1' \
     -u 'ff-interview:@-*KzU.*dtP9dkoE7PryL2ojY!uDV.6JJGC9'
```

You can find valid airport identifiers at: https://www.airnav.com/airports

Submission

Please zip up your project in an email containing your solution that we can build and run. If the project is too large, please share using a cloud service of your choice.

With your submission, please include the following information:

- How much time was spent developing it.
- How to use any features of the app that are not obvious.
- Ideas for improving your implementation to make the implementation "production ready", if any.