

# ForeFlight iOS Coding Exercise

## Goal

Develop a weather application that fetches data from a restful API and displays the results in a user interface.

## Requirements

- Data
  - Fetch JSON from server endpoint  
`https://qa.foreflight.com/weather/report/<Airport identifier>` (example:  
<https://qa.foreflight.com/weather/report/kpwm>)  
**The http header “ff-coding-exercise” needs to be set to “1”**
- User Interface
  - Implemented primarily or exclusively with UIKit. SwiftUI can also be demonstrated as a bonus item, but is not required.
  - List of previously loaded locations (initially populated with KPWM & KAUS)
  - Text Input box for airport identifier (ex: kaus) to add to list of locations and automatically pushes to the details view.
  - Selecting a location will push to a “Details View” that initially displays the weather report for the “conditions” section of the JSON output
  - Details view has the ability to switch to the “forecast” object in the JSON and the elements in the view update to represent
- Features
  - Store list of requested airports between app launches
  - Cache last retrieved report for each airport
  - Have a setting that automatically fetches updates at a regular interval
- Provide a readme including
  - How long was spent on the project
  - Any notable design decisions you wish to highlight
  - Any references consulted and/or third party libraries used
  - Known issues
  - Any other notes that will help us understand your project

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