

Coding Assignment

Implement an iOS native app using Swift 4 to demonstrate your skills, ability to write clean and maintainable code and attention to details.

Requirement:

- Use a UITableViewController to display weather information of Sydney, Melbourne and Brisbane as start.
- Provide a way to add more cities using another modal view controller which includes a search functionality to find a city by name or location.
- City IDs
 - o Sydney, Melbourne and Brisbane are: 4163971, 2147714, 2174003
 - o More city can be found from following link:
<http://bulk.openweathermap.org/sample/>
- Each cell should display at least two pieces of info: Name of city on the left, temperature on the right.
- Get real time weather information using <https://openweathermap.org/current> - You can register and get your API key for free.
- A sample request to get weather info for one city:
 - o http://api.openweathermap.org/data/2.5/weather?id=4163971&units=metric&APPID=your_registered_API_key
- Weather should be automatically updated periodically.
- Use Storyboard and Autolayouts.
- It is fine to use 3rd party libraries via CocoaPods or by other means.

Brownie Points:

- Use an activity indicator to provide some feedback to user while waiting for network response.
- Allow user to tap on a cell to open a new "Detail view", to show more information about the city such as current weather summary, min and max temperature, humidity, etc.
- Try to use table view or collection view to display details.
- In the "Detail view", implement animations to enhance the user experience.
- Support all different dimensions of the devices.
- Support landscape and portrait view together

Submission:

- Share us a Dropbox link to the project source code(Preferred) or send it as a zip file.