Weather App

API: <https://darksky.net/dev> -1000 free calls a day

Read API documentation to find requests you want (Postman helps)

Goal: Create an app that displays weather

Format:

* Use a tableView to show weekly forecast
* Use auto constraints
* \*\*\*no need for location tracking
  + \*\*\*bonus: use CoreLocation to display weather for current location

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| Tips: |
| - \*\*\*#1 most important tip: Design your app and figure out how you want it to look BEFORE you start coding\*\*\* |
| - Look at code from the Networking lesson on the iOS Accelerator repository (don’t just copy and paste, go line by line and try to understand what’s happening) |
| - When you define your Codable struct, you dont need to create a field for everything that is returned in the JSON, only the fields you need |
| - Make sure that the name of your variable inside the Codable matches the JSON key name exactly |
| - Dates are usually formatted and stored online as a timestamp, a single number, and you need to convert into a readable date if you want to display it (you can use the Date and DateFormatter objects built into iOS to help you do this) |
| Helpful Links/Resources |
| - Weather APIs: https://stormotion.io/blog/how-to-make-a-weather-app/#weather-apis |
| - Networking example: https://github.com/RutgersMobileApplicationDevelopment/Accelerator-iOS/tree/master/week6 |
| - Codable (jump to Codable section): https://medium.com/@nimjea/json-parsing-in-swift-2498099b78f |
| - Dateformatter: https://stackoverflow.com/questions/40648284/converting-a-unix-timestamp-into-date-as-string-swift |
| - Location: https://www.raywenderlich.com/5247-core-location-tutorial-for-ios-tracking-visited-locations |