

Mobile Apps Development for Journalists

Week 11, Tuesday - Fall 2016
University of Texas at Austin
School of Journalism

Jeff Linwood
jlinwood@gmail.com
@jefflinwood

Agenda

- Third Party Services
- Find Weather APIs (In Class Exercise)
- Dark Sky
- Coding Exercise: Weather Temperature App

Third Party Services

- One of the key things we can do is to bring in content or services from third parties
- Could be almost anything
- Typically referred to as an API
- They use same web technologies as web sites

Weather APIs

- In class, find a couple of weather APIs - there are many out there
- Try and read through and see if you see any tips on using these with iOS or Swift

Dark Sky/forecast.io

- We'll use Dark Sky in class
- Sign up at <https://darksky.net/dev/>
- It's free!
- Check your email for registration confirmation

On the App Side

- We need to make a request
- We need to get the result
- We need to go through the result to find what we need
- We need to update the user interface
- We need to check for errors everywhere!

Technologies Used

- JSON Serialization
- URL Session
- Grand Central Dispatch

Some Tutorials

- <https://www.raywenderlich.com/110458/nsurlsession-tutorial-getting-started>
- <http://www.learnswiftonline.com/mini-tutorials/how-to-download-and-read-json/>

In Class Exercise

- See DarkSkyWeatherApp in Canvas
- Files/Projects/Week 11