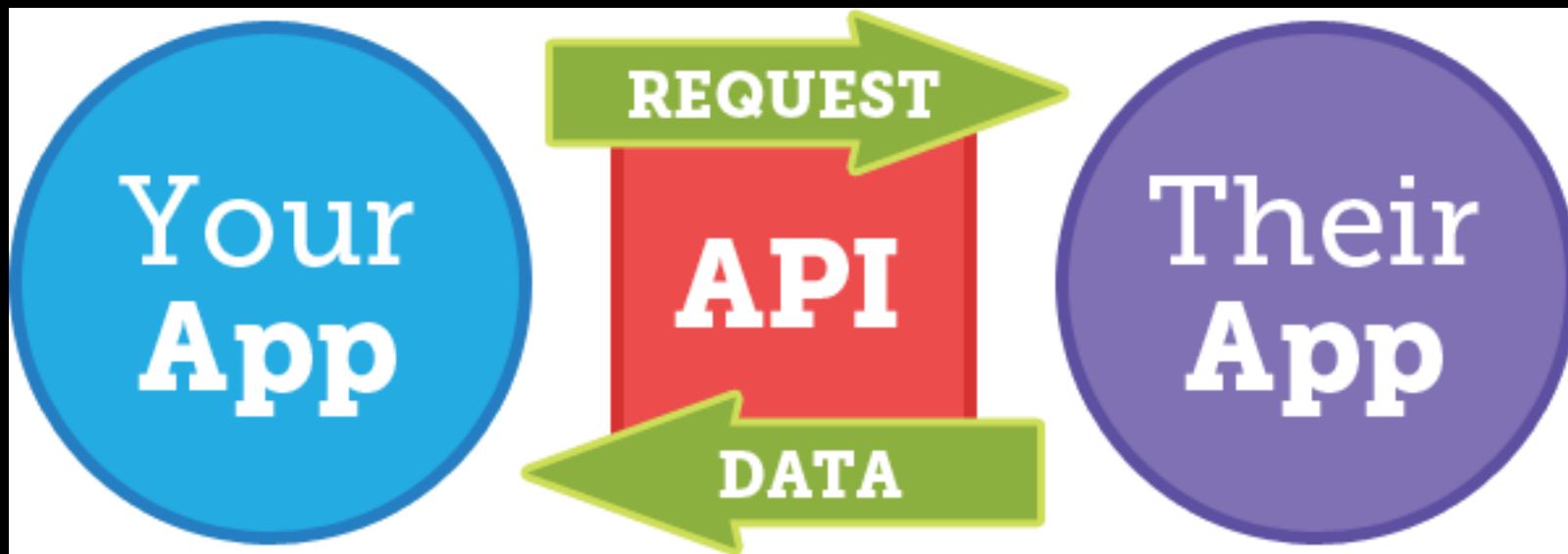# API is for
Awesome Programming Interface

I mean, Application Programming Interface

APIs: Windows to the Code

- APIs let applications talk to each other (and use each other's data)

Awesome Programming Interface

- So much you can do with API

- Check out http://programmableweb.com

- Noteworthy mentions:
  - Google Maps
  - Spotify
  - Slack

Before we start the exercise...

- JSON data – one of the most popular formats for APIs communication

- Example:
  - data = { "coord":{"lon":-0.13,"lat":51.51} }
  - To access this data you need to do
    - data["coord"]["lon"]
    - Data["coord"]["lat"]

- JSON can be hard to view in one line. Try copy and paste the JSON to an online viewer such as: http://codebeautify.org/jsonviewer

Watch out for the following:

- the API key in the notes is outdated. You can sign up for your own API key at http://openweathermap.org/appid

- or you can use this API key instead: e3c16f082edfc23eca9bee9eff2963f6

- JSON online viewer: http://codebeautify.org/jsonviewer -> click "Beautify"