Lab 6: Building a UI for an API

# The objective of this lab is to

* Use AJAX to call an interface
* Learn JSON
* Create a User Interface for someone else’s back-end
* The idea is show the interaction between HTML, and someone else’s backend data.

# Requirements

* Use an **external** JS file
  + *Reminder:* [*http://www.w3schools.com/tags/att\_script\_src.asp*](http://www.w3schools.com/tags/att_script_src.asp)

# Order of Completing the lab:

#### Step 1: Before you write ANY new HTML:

1. Determine what API you will be using.
   1. Possible starting spot for a list:
      1. <https://www.reddit.com/r/webdev/comments/3wrswc/what_are_some_fun_apis_to_play_with/>
2. Figure out what this API has. What interesting things can you do with it?
3. **Ask if you are not sure if it is a strong enough API**

#### Step 2: Test AJAX Call

1. Can you actually call this other service? This can be an issue with HTTP vs HTTPS.

#### Step 3: Build UI

1. Create your actual UI.
   1. Query your interface.
   2. Display the output.

#### Timeframe:

* Steps 1 and 2: done by April 4th.
* Build UI: Done by April 6th.