**Week One: Web Apps Project**

**Planning:**

1. What program will I use to make the map of the U.S.?
   1. Leaflet
   2. I did Google searches and found that it was one of the most interactive and best options, and of course it incorporates skills we have already used for this course
   3. A Leaflet tutorial I watched and will be using for the map too: <http://leafletjs.com/examples/choropleth.html>
2. Where will I acquire all 50 pictures of the state flowers?
   1. Wikipedia (will be uploading some of the pictures onto GitHub)
   2. Making sure all are available for use through Wiki Commons
3. Where will I find the short description of each flower?
   1. Wikipedia: <https://en.wikipedia.org/wiki/List_of_U.S._state_flowers>
   2. Both the photos and information will be attributed to Wikipedia at the bottom of the map
4. What jQuery aspects do I plan to use for the pictures to pop up?
   1. .click(): when a user clicks on a state, a picture of the state flower will appear on the page
   2. .slideDown(): when a user clicks on the picture of the state flower, a panel will slide down with a brief description of the flower
5. How will I make each picture have the same size?
   1. I want each picture to be a thumbnail-like size because I don’t want it to overpower the map either
   2. On CSS, I will make each picture with the width: 100px and height: 100px. If this is too large or small, I will adjust it according to the map
6. How will I coordinate each state with each flower?
   1. As of right now, I plan on giving each flower the class of stateFlower and giving the ID as (state’s name)Flower. For example, Florida’s image will have the class of stateFlower and the ID of floridaFlower.
   2. Another idea I had was just placing all of the flowers in a div. But I don’t know how this will interact with the map. Will it place all of the flowers in a container and will I have to hideAll and then selectively show each flower? I feel that the ID system might be simpler. Whichever way, it will be a lot of code.
   3. When I get to making the actual map, I will see if this is the best method. If you have other ideas for grouping the flowers and states, please let me know!
7. What will I use for CSS?
   1. As previously stated, I will be combining both Bootstrap and my own CSS stylesheets.
   2. Bootstrap will be used for responsive design, including making media queries for three breakpoints for computer screens, tablets, and iPhones (1024px, 768px, and 320px).
   3. I will use Google fonts, Oswald for the headings and Bitter for the paragraph text. Here’s the one I plan to use:

Code for HTML: <link href='https://fonts.googleapis.com/css?family=Bitter|Oswald' rel='stylesheet' type='text/css'>

Code for CSS:

font-family: “Oswald”, sans-serif;

font-family: “Bitter”, serif;

* 1. I plan on making each state a different shade/tone of a color scheme.
  2. According to my visual journalism class, the image below is a good monochromatic color scheme I could use. I also like it because it is similar to the nation’s colors.