Web GIS Exercise #1
GitHub and Text-Based Web GIS Files

*In this lab, you will begin to experiment with the most basic aspects of web cartography. We will be using Leaflet.JS functions to make basic adjustments to a web map that I have already created. This assignment page does not walk you through ALL of the steps needed to complete the assignment, however I have added extensive **comments** in the code to guide you through confusing aspects. Partner up as needed and consult web references if you get lost. NOTE that you can edit the file from your desktop and THEN upload it, but in either case, you will want to use "Developer Tools" or Developer panels of your web browser to help diagnose any problems. For example, in Chrome, right-click on inspect to bring up the page elements, and then select "Console" to see what errors come up.*

Getting Started

- Create a GitHub Account https://github.com/
  - Use your university or personal email. You will receive a message to confirm your email address
- While logged into GitHub, you should be prompted to create a **Repository.** Create a repository with your **EXACT** GitHub UserName dot Github dot io
  - E.G. if your username is "geography417" pick "**geography417.github.io**" as the name of the repository
- (Make a basic index file of any kind to style your "landing page," but we'll be doing work in a specific subfolder)
- Add a folder to your repository called "Lab1"

Editing the Map

- Download the file I provide for exercise 1. *You can edit this file directly in a text editor from your desktop OR you can upload it directly to your GitHub "Lab1" folder and make edits there. In any case, make sure to upload the completed Lab 1 file to your GitHub account, under your Lab 1 folder when finished*
- Change the file so that the circle is located over Memorial Stadium
- Change the TITLE of the web page to say your name
- Make the mapped area larger by modifying the characteristics of the "div" that contains the map
- ADD at least one vertex to the polygon shape to make a square or pentagon or hexagon et cetera...
- Add Love Library as a point to your map (hint: it's already in the code)
- Add a pop-up for Love Library
- Change the pop-up text for Memorial Stadium to say "this is Memorial Stadium!"
- Change out the base map! Here is a list of possible options: https://leaflet-extras.github.io/leaflet-providers/preview/

After publishing to GitHub, you can still make changes by editing the file directly or by uploading a new file to overwrite an existing one.

- Review your work at https://**YOURUSERNAME**.github.io/lab1.html
- Use SHIFT+CTRL+R to reload after changes

Rubric:

☐ A different base map is used (5 points)

☐ Circle feature has been moved to memorial stadium (5 points)

☐ Memorial Stadium pop up has been customized (5 points)

☐ Triangle has been modified into a different shape (5 points)

☐ Love Library has been added (5 points)

☐ Love Library has a pop-up with text (5 points)

☐ Title of webpage has been correctly changed (5 points)

☐ Mapped area has been enlarged to at least 1000px width, 800px height (5 points)