Start 4/4 9:40am

1. Read Assignment (2 min)
2. Read Quick Start Guide Set Up (1 min)
3. Make directory for class (15 sec)
4. Run npm create ol-app (10 sec)
5. Update npm based on notice, throws an error, end up having to instal latest Node.js to update then update npm (6 min)
6. Run npm start and open localhost. Project is working (1 min)
7. Read through “Exploring the parts”
    a. Look at examples to find one that might work (2 min)
    b. Find custom circle render, examine for usefulness (1 min)
    c. Adjusting radius and color would allow me to meet the requirement of 3 different visuals
8. Begin writing code using Custom Circle Render as example
    a. Import Circle, Style, and Feature (1 min)
    b. Immediately must look up making functions in Javascript as I have forgotten. (1 min)
    c. Create function for making the circles (1 min)
    d. Test circle making function without a style to see if a basic style is applied (1 min)
        i. Lookup coords of SLO (30 sec)
    e. Map is gone when code is reloaded. Bug is present.
        i. Try adding style copied from example website and swapping name of circle. Still gone. (1 min)
        ii. Remove my code and only test the example main.js, still missing map. (1 min)
        iii. Replace the html file. Map shows up so I need to change the index file (1 min)
        iv. Realize stylesheet is missing from html file, need to quickly lookup linking external stylesheet and add it to the html file. Map shows up again for the example but not mine. (2 min)
    f. Circle function is still not working, removing and pivoting to three specific circles after swapping center view (1 min)
    g. Change center of viewpoint, map is giving wrong areas (61 min total, aka way too long)
        i. Lookup how to change viewpoint, find out map projection is different than familiar coordinates (10 min)

    ii. Attempt to use fromLonLat function after finding it (10 min)
    iii. Attempt to change projection (10 min)
    iv. Attempt to use a convertor to change coordinates to Web Mercator after finding that was the default projection (10 min)
    v. Read through various StackOverflow threads trying to find a similar issue (10 min)
    vi. Learn in class lab time from fellow students the solution is swapping lat and long in the fromLonLat function (10 min)
    vii. Try to comprehend how I missed this simple fact (1 min)
h. Change view to center on Cal Poly (2 min)
i. Create three circles based on the example found earlier without any changes to the style (5 min)
j. Locate better way to style the circles, find a StackOverflow response that leads here (10 min)
k. Choose to use color to represent the different areas as we have no overlap in where we grew up (2 min)
l. Implement style for Seth's circle (1 min)
m. Implement style for Rho's circle (1 min)
n. Implement style for my circle (1 min)
o. Finish and upload to github (2 min)

Total Time: ~108 mins or 1.8 hours