Assignment 4:
Working with JavaScript

20 points
- EXTRA CREDIT! for 415 Students: **5 points** - take on one of the JavaScript libraries for 420/619

DUE: Monday, November 30 by beginning of class

DELIVERABLES
- Create a pen on CodePen.io **or** create a website on your server that utilizes the JavaScript libraries detailed here.
- Post the link to your JavaScrip project here on the [Assignment 4 Discussion Board](#).

415: Using jQuery and jQuery UI

- Create a pen or a website that uses at least 5 elements from jQuery UI.
  - jQuery: https://jquery.com/
    - Learning jQuery: https://learn.jquery.com/
    - W3 Schools jQuery tutorial: https://www.w3schools.com/jquery/
  - jQuery UI: https://jqueryui.com/
    - https://learn.jquery.com/jquery-ui/getting-started/
- Use CSS to give your examples a unique visual style.
- Example CodePen - remember to pull in all needed JS libraries & CSS files! https://codepen.io/jordan_gmu/pen/eYzPXaQ

420/619: Designing with JavaScript Libraries

- Create a pen or a website using one of these JavaScript libraries.
- Create an original design, or remix one of the examples from the documentation.
  - If you remix something - either an example or someone's work on a site like CodePen - make sure you cite it in the comments.
- JavaScript Libraries
  - **D3.js:** Data visualization. https://d3js.org/

- **Babylon.js:** web-rendering image: https://www.babylonjs.com/
- **Three.js:** JavaScript 3D. https://threejs.org/
- **React:** JavScript library for web apps & UIs. https://reactjs.org/
- **A-Frame:** web framework for 3D, AR, VR. https://aframe.io/
- **Leaflet:** open-source library for interactive maps. https://leafletjs.com/
- Something else? Let me know!