Web GIS Project 9: ArcGIS API for JavaScript Project 1

Grading: 50 Points

Description: Create five separate web apps using the ArcGIS API for JavaScript. Each web app should address one of the outlined tasks.

Notes:

- Produce five separate web apps as opposed to a single web page.
- You will need to link to the required CDNs.
- You can use data layers saved to your ArcGIS Online account or link to a REST service. You must use your own data layers.
- Make sure to review my examples and the examples from the ArcGIS API for JavaScript website.

Rubric:

- Task 1: Renderers (Categorical)

  Create a page in which a vector layer is symbolized using a renderer defined in the code. This renderer must be used to show a categorical variable. Make sure the code is well commented, especially the renderer. Up to 10 points will be awarded based on whether the code is correct, the symbology is effective, and the code is well commented. You must use your own data layer. **(Up to 10 Points)**

- Task 2: Renderers (Continuous)

  Create a page in which a vector layer is symbolized using a renderer defined in the code. This renderer must be used to show a continuous variable using a classified scheme. Make sure the code is well commented, especially the renderer. Up to 10 points will be awarded based on whether the code is correct, the symbology is effective, and the code is well commented. You must use your own data layer. **(Up to 10 Points)**

- Task 3: 3D Scene

  Create a page that includes a 3D scene. Define the start camera position in the code. Up to 10 points will be awarded based on whether the code is correct, the camera position is correctly defined, and the code is well commented. **(Up to 10 Points)**

- Task 4: Configure Pop-Up

  Create a page that includes a layer with a pop-up that is configured in the code. Up to 10 points will be awarded based on whether the code is correct, the quality of the pop-up configuration, and how well the code is commented. You must use your own data layer. **(Up to 10 Points)**

- Task 5: Expand Widget

  Create a page that includes an expand widget that houses another widget. Up to 10 points will be awarded based on whether the code is correct, if the expand widget works correctly, and how well the code is commented. You must use your own data layer. **(Up to 10 Points)**

Deliverables:

- Entire website directory for each task in a compressed folder. This should include any needed files and the HTML. Make sure to link to the required CDNs.