

Web GIS Project 11: Leaflet JavaScript API Project 2

Grading: 50 Points

Description: Create a multipage website that contains at least one web map created using the Leaflet JavaScript API.

Notes:

- ❖ This does not need to be a completely new website. You can alter the websites created for prior projects.
- ❖ Download the Leaflet source code and include it in your directory.
- ❖ You will need to save all your data layers to GeoJSON and include them in the website directory.
- ❖ You will need to include the source code for plugins in the website directory.
- ❖ This should be a full website with multiple pages and a variety of content and HTML elements. It cannot just be a web map.

Rubric:

- ❖ All pages of the website should include a nav bar that links the pages together. **(Up to 2.5 Points)**
- ❖ The head should include the character set, website title, and author information. **(Up to 2.5 Points)**
- ❖ The website should have at least three linked pages that you created. It should contain a variety of content, not just web maps. **(Up to 5 Points)**
- ❖ The website must include at least one web map produced using the Leaflet JavaScript API. This map should include at least three data layers, well configured pop-ups defined in the code, well configured symbology defined in the code, and at least two plugins to extend the functionality. **(Up to 10 Points)**
- ❖ The website and web map should be well styled using CSS. The page and all elements should be responsive and make use of Bootstrap. **(Up to 10 Points)**
- ❖ Overall quality of the website and web map. The resulting website should be professional, functional, and well configured. The site should have a clear theme and purpose and be designed with these in mind. **(Up to 10 Points)**

Deliverables:

- ❖ Entire website directory in a compressed folder. This should include any needed files and the HTML. Make sure to link to the required CDNs. Data layers should be provide in GeoJSON format.