

Pure JavaScript, DOM, and Tables

Overview

This project is to use pure JavaScript to build an HTML bootstrap table. In the example I give you, you are using mountains; however, I want you to use cities for the data in your project. Please clone the project that is here rather than starting with a new one. Create your own project and don't copy me. It's important you understand how the DOM works and the basics of this as we move to more advanced JavaScript that will retrieve data from the server in the next assignment.

Assignment JSON Data:

```
let cities = [
  {
    "fldName": "Tokyo",
    "fldLat": 35.6850,
    "fldLong": 139.7514,
    "fldCountry": "Japan",
    "fldAbbreviation": "JPN",
    "fldCapitalStatus": "primary",
    "fldPopulation": 35676000
  }, {
    "fldName": "New York",
    "fldLat": 40.6943,
    "fldLong": -73.9249,
    "fldCountry": "United States",
    "fldAbbreviation": "USA",
    "fldCapitalStatus": "NA",
    "fldPopulation": 19354922
  }
];
```

Readings and Lecture (REQUIRED)

1. DOM and JavaScript Explained: https://eloquentjavascript.net/14_dom.html
2. JavaScript that this lesson came from: <https://www.valentinog.com/blog/html-table/>
3. (Class Lecture) JavaScript, Chrome, and the DOM

The completed code for this project can be found here:

<https://github.com/kaw393939/is219Project2>

Pre-Requisites

1. WebStorm Installed
2. Node.js Installed

Project Steps

Step 1 – Clone the project to WebStorm

<https://github.com/kaw393939/is219Project2>

Step 2 – Run npm install in the terminal of the project

Step 3 – Setup a Gulp Run Configuration in WebStorm

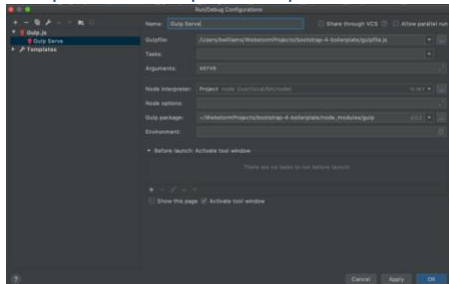


Figure 1 - Put "serve" as the argument

Step 4 – Run the project and view it in the browser

Press the “Play” button in WebStorm to launch the site. Once the site is launched you can edit your site and BrowserSync will automatically refresh your browsers and you can see your changes. You must edit your files in the “src” directory and then Gulp will build your site in the “docs” folder.

Note: You have to run the project to build the files in the docs folder and then push to GitHub

Step 5 – Share your project on GitHub and Turn on GitHub Pages to host it.

1. Click on Settings on the repository
2. Scroll down to see “GitHub Pages” and choose “master branch /docs folder”
3. Make a change to the site using WebStorm and push again to activate the hosting function of GitHub

Your website will be hosted at: <https://<yourGitHubID>.github.io/<yourRepo>>

Example: <https://kaw393939.github.io/bootstrap-4-boilerplate/>

Note: You will have to make a 2nd push after you turn on GitHub pages to make it host your website, and it may take a minute or two for it to appear.

Submit your Project

1. Create a new WebStorm project

2. Add a screenshot to your README.MD file that shows the project running with BrowserSync. Put the screenshot in the screenshot folder and use Markdown in you README.MD file display the image on the homepage of your GitHub Repo
3. Share your project on GitHub and push your site to GitHub
4. Submit the project by sending a link to the repository and the site on GitHub pages in the assignment for your course.