

First App Project - Part 1

Assignment Goals:

- create a JSON data for objects
- design an HTML structure to present JSON data on a web page
- use DOM methods to add HTML to display the object
- use JavaScript best practices in your code - variable definition, IIFE for scope, etc.

GitHub Repository

<https://github.com/htc-ccis2591/first-app/>

You'll want to begin each assignment by forking the repository and cloning it locally. When you are done, you'll push to GitHub and submit a pull request.

Your Choice of Data

For this assignment, you need to find your own data for something you are interested in, and design the JSON and HTML layout (and optionally CSS) to present that information on a web page. Try to select an object that is more complex, but not too complex. The idea is that the more the information is interesting and relevant to you, the more effort you might be willing to put into making it look good. All I ask is that it is in good taste, and not something that might be offensive to others.

Build JSON

Put your information into JSON format. You should end up with a structure that is an array of JSON objects, similar to the featured coffee shop items from last week. The structure will depend a bit on your data, but you should have multiple items in an array. You should have 5-6 objects with at least two (but preferably more) properties.

Design the HTML

Once you have your data, you need to decide how you want to present that information on the page. Do you want to list it as a heading with information underneath similar to the coffee shop items? Do you want to lay it out as a table? Maybe you want to present it as an image with a caption and link? The choices are endless and you can choose whatever makes the most sense for your information.

Use JavaScript to Build the HTML

Add an index.html page and set it up with the standard HTML 5 template and a target location to load your data. You can add HTML to provide a site header/banner, or other information, but you must use JavaScript to create the HTML to show your JSON data. You may also add a CSS file.

Add a JavaScript file with your JSON data. Use JavaScript to build and add the HTML you designed to show your data on the page. Ensure that the code that you write is flexible and can be used to add any number of similar items to the page. You may choose to add more data later.