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6/20/22

Week 10 Research Assignment

Prompt 1: “List and explain the JavaScript methods that enable us to select elements from the DOM.”

getElementsByTagName() – This allows you to pull all elements with a particular HTML tag. For example, suing this method would allow me to pull all <p>, <li>, <h1>, etc and them using JavaScript be able to manipulate this html.

getElementsByClassName() – This allows you to pull all elements within a given class. Ass you assign classes to items for CSS you can use that class in JavaScript to manipulate the HTML.

getElementById() – This is very similar to getElementsByClassName() however this is a singular function that allows you to pull a specific element with a given ID instead of class.

querySelector() – This allows you to select the first element that matches one or more CSS selectors.

querySelectorAll() – This method in HTML is used to return a collection of an element’s child elements that match a specified CSS selector

Prompt 2: “What is the document object? What are some other methods available on the document object that don't select elements from the DOM?”

The document object model is a tree like structure within HTML that we can traverse using JS to locate a specific element(s). Elements in the DOM can be selected by their tags, contents, values, IDs, Classes, or by using other CSS selectors.

addEventListener() - This property attaches an event listener to your element. It takes a callback which will run when that event is triggered.

setAttribute() - You use this method to set or change the value of an element's attribute. This was used in the example to specify specific tags to be added or removed.