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Week 10 Research

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Prompt:

1.) List and explain the JavaScript methods that enable us to select elements from the DOM.

- `getElementById()`: This JavaScript method enables us to return an element that matches the 'Id' from the DOM. This helps speed along the process of retrieving an element due to its uniqueness. The function will return null if there is no 'Id'.
- `getElementsByClassName()`: This JavaScript method returns a collection of elements with the specific class name that is passed.
- `getElementsByTagName()`: This method retrieves the collection of elements with a specific tag name such as a specific div, paragraph, etc.
- `querySelector()`: This JavaScript method returns the first element that matches a specific CSS selector.
- `querySelectorAll()`: This JavaScript method returns a list of all the elements that match a specific CSS selector.

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 is the HTML document that gets loaded up in the browser window. The document object is where you can alter different aspects and elements of the webpage. Some of the other methods available on the document object that don't select elements from the DOM are:

`createElement()`: This method creates a new HTML element on the webpage

`createTextNode()`: This creates a new text node on the webpage

`appendChild()`: This method adds a new child node to an element that already exists

`removeChild()`: This method removes a child node from an element.

`Write()`: This method writes content onto the HTML document directly.

`addEventListener()`: This method attaches an event listener to an element.

URLs:

[What are the different ways to select DOM elements in JavaScript? \(educative.io\)](#)

[DOM \(Document Object Model\) - GeeksforGeeks](#)

[JavaScript DOM Document \(w3schools.com\)](#)