

Week 10: Research

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

- There are different ways to select elements from the DOM using JavaScript. One way is to use the `querySelector()` method, which returns the first element that matches a given CSS selector.
- `getElementById()`, which returns the element with a specified id attribute.
- `getElementsByClassName()`, which returns a `HTMLCollection` of all elements with a specified class name.
- `getElementsByName()`, which returns a `NodeList` of all elements with a specified name attribute.

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 a property of the window object that represents a web page or an HTML document. It stores the HTML elements as objects and provides access to them. It also allows changing, adding, or deleting HTML elements using JavaScript code. The document object is part of the Document Object Model (DOM), which is a standard interface for HTML documents.

Some other methods available on the document object that don't select elements from the DOM are:

- `document.write(text)`, which writes text into the HTML output stream.
- `document.createElement(element)`, which creates an HTML element.
- `document.cookie`, which returns or sets the document's cookie.
- `document.lastModified`, which returns the date and time the document was updated.
- `document.readyState`, which returns the (loading) status of the document.

3. What is your favorite thing you learned this week?

Exploring DOM manipulation using JavaScript has been a highlight of my week as a web developer. This skill enables developers to access and modify the Document Object Model of a webpage, offering a powerful way to update its content and structure dynamically. With this knowledge, developers can create more dynamic and engaging web pages that respond to user interactions, making them more user-friendly.

URLS:

- [https://developer.mozilla.org/en-US/docs/Web/API/Document object model/Locating DOM elements using selectors](https://developer.mozilla.org/en-US/docs/Web/API/Document_object_model/Locating_DOM_elements_using_selectors)
- <https://www.tutorialsonight.com/queryselector-javascript>
- <https://www.bing.com/search?q=JavaScript+methods+to+select+elements+from+the+DOM&toWww=1&redig=CA55C40AC0824B3EAE076AC9FA7445AE>
- [https://www.w3schools.com/js/js htmlDOM document.asp](https://www.w3schools.com/js/js_htmlDOM_document.asp)
- <https://www.studytonight.com/javascript/javascript-document-object>
- [https://developer.mozilla.org/en-US/docs/Web/API/Document Object Model](https://developer.mozilla.org/en-US/docs/Web/API/Document_Object_Model)