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Week 10 Research

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JavaScript Elements to Activate the DOM

Document Object Model (DOM) allows JavaScript language to alter and access HTML elements. HTML is viewed as the skeleton for building websites. HTML allows you to structure a webpage with content while the JavaScript allows for action or interaction on the webpage to take place from the user's side. There are 5 elements to activate the DOM, which are: finding elements by ID, tag name, class name, CSS selectors, HTML object collections.

In activating the DOM you can use JavaScript to find HTML elements by ID, tag name and class names. Depending on what element you use in the HTML file, you can alter or create an actionable type for the user by creating the document in JavaScript via `getElementById()`, `getElementsByTagName()`, or `getElementsByClass()`. All 3 elements are set up the same way in HTML but with different document elements; you may find the ID set up as “`id = “main”`”, tags are typically identified as “`<p>` or `<table>`”, and you access the class as “`class = “intro”`” (“JavaScript DOM Elements”). Whichever element you select, you are letting JavaScript know that you want to allow an action to be able to take place based on the user interaction with the web page.

If you want to be able to “find all HTML elements that are matched to a specific CSS selector” (“JavaScript DOM Elements”) then it is best to use `querySelectorAll()`. This will allow all elements to be matched based on what content is entered in the parenthesis of the query selected. Finding HTML elements by object collections is when the form element is used to “display all element values” (“JavaScript DOM Elements”). All of these elements can be used to

find the HTML that needs to be utilized, altered, or added to allow for interaction or input by the front-end user.

Every week brings about new challenges for me to conquer and I love the idea of feeling less and less overwhelmed. I truly appreciated learning how to use JavaScript and HTML DOM to be able to make web pages interactive for the user. I am excited to see what I can build by allowing user to be able to input information that will actually generate a reaction on the front end.

Works Cited

“JavaScript DOM Elements.” *W3Schools*, www.w3schools.com/js/js_html_dom_elements.asp.

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