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1. What does the `fetch()` method do? How can it be used instead of an AJAX call?

The `fetch()` method is used to make network request and retrieve resources asynchronously in addition to allowing developers to make http requests to a URL and handle the response. My understanding is that it is a more modern practice and an alternative to AJAX calls, providing a simpler way to get resources from servers. Using `fetch` instead of AJAX allows one to provide the URL and additional options such as headers, request methods, and body as the parameters of the function. In other words, `fetch` is a more modern and cleaner API compared to AJAX, however AJAX has been around for so long that it is supported in almost all browsers, where as `fetch` is supported in most modern browsers. In terms of handling responses, with `fetch`, responses are returns as response objects which provides several methods to handle the response such as `json`, `text()` and `blob()`. AJAX responses are normally handled with callbacks and even listeners.

2. In JQuery, what does it mean to "traverse the DOM"?

In jquery, "traversing the DOM" refers to the ability to move through the HTML structure and select elements based on their relationship to other elements. jquery provides a set of methods specifically designed for traversing and manipulating the DOM, making it easier to find and manipulate specific elements.

3. What is JSON? How is JSON used in JavaScript? What other ways is JSON used in web Development?

JSON (javascript object notation) is a lightweight data interchange format. It is used very widely for transmitting data between web applications and servers in addition it functions in storing exchanging data. It is used to represent and exchange data is a format that has structure. Basically allowing for a simple and readable way to represent objects, arrays, strings, numbers, booleans and null values. JSON is used in Web Development for scenarios such as; API communication, Data storage, and File Configurations.

Sources:

<https://medium.com/@reemshakes/is-ajax-getting-replaced-by-fetch-api-55207234793f>

<https://www.digitalocean.com/community/tutorials/how-to-traverse-the-dom>

<https://www.oracle.com/database/what-is-json/>

#:~:text=JSON%20is%20perfect%20for%20storing,a%20high%20level%20of%20interoperability.