Week 11: Research

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

The fetch() method in JavaScript allows for making network requests to fetch resources from a server. It returns a promise that resolves to a Response object containing the request's status and data. The fetch() method can be used instead of an AJAX call by providing the resource's URL as the first argument and an optional options object as the second argument.

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

The process of moving through HTML elements based on their relationship to each other is known as traversing the DOM in jQuery. jQuery offers several methods to select elements based on their relationship to parent, child, sibling, ancestor, or descendant elements.

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

JSON is short for JavaScript Object Notation, a text-based format that represents structured data using JavaScript object syntax. It is frequently used to transmit data between servers and clients in web applications. You can also store JSON data in a file with the extension .json and MIME type of application/json. In JavaScript, you can use the global JSON object to parse and stringify JSON data.

JSON is widely used in web development for multiple purposes such as storing and retrieving data from local storage or cookies, sending and receiving data from web APIs or web services, configuring web applications or frameworks with settings or options, representing complex data structures or objects in a simple and readable way, validating data against a schema or a format, and serializing and deserializing data for transmission or storage.

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

This week's highlight was learning about the fetch method and its functionality in retrieving data from a server. By utilizing fetch, one can easily get any type of data from the server, making it an essential tool for web developers who work with web APIs and web services. Learning how to use this method opens up new possibilities for efficiently retrieving data and making it accessible for use in various applications.

URLS:

- https://developer.mozilla.org/en-US/docs/Web/API/Fetch_API/Using_Fetch
- https://developer.mozilla.org/en-US/docs/Web/API/Fetch

- https://www.w3schools.com/jquery/jquery_traversing.asp
- https://developer.mozilla.org/en-US/docs/Learn/JavaScript/Objects/JSON