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CST-350 ACT 4 AJAX

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In this part of the project, I took some significant steps in web development, and it's been a hands-on learning experience. Let's break it down:

**Setting up the Web View:**

* I kicked off by getting a basic web view running through MAMP, setting the stage for what was to come.

**Working with JSON:**

* I created a page that produces a JSON-formatted list, and seeing the array results was a satisfying confirmation that data was being generated as intended.

**Testing the REST API:**

* I went on to test the JSON-formatted GET function of our REST API. It was crucial to ensure that communication with the server side was working seamlessly.

**PHP Page for User Input:**

* A basic PHP page for user input was created. This step was essential to make our application interactive and responsive to user actions.

**Adding CSS Styling:**

* I didn't just stop at functionality; I added CSS styling to the PHP page to make it visually appealing. A good user interface goes a long way.

**jQuery Scripting Magic:**

* The initiation of the jQuery script was a significant moment. This marked the beginning of dynamic client-side scripting, allowing for more interactive features.

**Functionality Through site.js:**

* Adding a function to the "add song" button click through the site.js file showed the power of jQuery in responding to user actions.

**Console Confirmation:**

* Seeing the "button click" message in the console followed by the JSON song list was a reassuring moment. It meant that the functions were working as intended.

**Manipulating JSON Song List:**

* The function got an upgrade, enabling me to manipulate the JSON song list and seamlessly integrate it into the view portion of the song list.

**GET Function for Adding Songs:**

* Implementing a function for the "add song" button set to GET was a pivotal moment. It showcased effective communication with the server side, allowing the addition of songs into the playlist and their immediate display in the view.

**Key Takeaways:**

* **AJAX, HTML, and JavaScript:**
  + I got hands-on experience with AJAX, HTML, and JavaScript, learning the ropes of partial page updates—a fundamental concept in dynamic web development.
* **Backend Server Setup:**
  + Creating a backend "server" with a song playlist was a crucial step in understanding data management on the server side.
* **JavaScript's Power:**
  + The ability to manipulate HTML using JavaScript became evident, making the user interface more responsive and dynamic.
* **jQuery for Streamlining:**
  + The initiation of the jQuery script simplified client-side scripting, making the development process more efficient.

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While I initially felt a bit nervous about my lack of PHP experience, the instructions turned out to be clear and the activity overall was straightforward. This hands-on journey has provided a solid foundation, and I'm excited about diving deeper into the world of web development.

AJAX JQ