Vivian Yuan

Bugs

One of the issues that I encountered was that when I deleted the appointment from the array, the appointment did not delete from the page unless I refreshed the page. To resolve this issue, I deleted the div element that displayed the appointment details and buttons as well in the cancel function. I learned that the data in the array was separate from the actual display of the data. Another issue that I encountered was that when there were no more appointments in the array, the appointments page would not display the text that I wanted it to display when there were no appointments. To fix this, I added an or operator and the condition "appts.length == 0" to account for that as previously, it was only "appts === null", and I also added the code that created the paragraph that displayed the text to my cancel function as well to account for when all the appointments were deleted in the array. In the future, I would potentially be able to mitigate these by understanding more of the logic behind the code as I write it.

Programming Concepts

1. Local storage: we learned about storage methods in lab, and I utilized local storage to store the array itself because the appointments have to be accessed across different pages, and it would also allow users to access the appointments even after exiting the page, which is necessary for something like a portal.
2. Session storage: we learned about storage methods in lab, and I utilized session storage to store the appointment object properties, which would have to be reset after each appointment is created so the user can create a completely new appointment after. Once the user clicks "confirm", the browser gets the values of the object properties and the appointment object is fully created and stored in the array.
3. DOM: when I add HTML content through CSS, I utilize the createElement and appendChild functions to add in different elements that take in variables from the array in local storage. I utilize the setAttribute function to add in IDs and onclick attributes to call different functions for the buttons elements I create, and I also utilize the removeChild function for my cancel button, which visually completely deletes the div that contains all of the appointment information.
4. Splicing: when I delete the appointment from the array, I utilize the splice function. When I call on the cancel function which is in my for loop, I take in the for loop index as a parameter and splice the array to delete the appointment object from the array.
5. For loop: I utilize the for loop when I parse through the array to display all of the information for each appointment on my appointments page, so the index of the for loop corresponds to the index of each appointment object. This allows me to display each specific appointment's properties on the appointments page.