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Reflection

While I was implementing the JavaScript for the Tartan Testing website, I had difficulty in using the `querySelector` and `querySelectorAll`. While I was testing the website and clicking different buttons and options, the website was not updating the way I had hoped it would. To figure out what was happening, I added many `console.log` statements and used the Developer Tools in Chrome to determine whether certain variables were saving what I wanted them to save or if they saved anything at all.

One major problem I had was that while I was creating the modals in the COVID-19 Test Results page, the modals were not appearing when I clicked on the buttons. When I printed out the length of the variable that stores all the buttons that could open modals, I found that the length was consistently 0. I checked to see if I was referencing the correct ids and classes, but those were not the problem. In the end, after searching on Google, I found that it was because my JavaScript file had loaded before the full HTML file loaded. Therefore, when the variable was created, there were no buttons that could open modals, and thus the list was empty. I learned that I could add a “defer” when link the JavaScript file in the `<head>` of the file for it to load later. From this experience, I realized that even when loading the website, the files have an order and depending on the order, it could affect the way the code runs.