

GitHub Pages:

https://sunnivaliu.github.io/homework_6/html/home.html

Repository Link:

https://github.com/sunnivaliu/homework_6

(See README for Functionality Explanations)

Low-fi and High-fi Prototypes of new Shopping Cart page

Figma Link:

<https://www.figma.com/file/RJB6hG7LLfNfjbuw8fiYFk/PUI-Sunniva-Liu?node-id=44%3A2074>

Design Choice:

1. The Shopping Cart page

The Home page has been modified to include more detailed Covid Testing and Vaccination information (location and time and type of appointment is listed out).

The My Vaccination page and My Tartan Testing page can also display the existing appointment, and their design is basically the same as Figma prototype.

2. The Detail page

The design of two confirmation page for both Covid Testing and Vaccination is basically the same, as the location and time and type of vaccine is displayed clearly on that page to show a specific appointment has been made.

I also added “add” & “edit” & “delete” base on modality to help users modify their appointment in an efficient way.

3.The List page

The list of all available appointments for both Covid Testing and Vaccination is basically the same, but looking aesthetically better in the mockup than in Figma. As the user select one appointment slot and click confirm, the appointment information will be updated to the system and can be shown in Home page, My Vaccination page and My Tartan Testing page accordingly. At the same time, if the user did not select any checkbox or selected more than one, an alert will appear.

Issues/Bugs:

1. Making button show/hide base on different modes: When I first started to work on the show and hide of buttons, I set values for the buttons, but it failed. After trying for multiple times, I found on Google that there should be a function to display/not display the button by using Javascript. Indeed, the `x.style.display` is pretty handy. I learnt that javascript and html should be collaborating together and create more functionality.
2. Delete a variable globally: When finding the correct way to delete an appointment, I was thinking about rewriting the JavaScript to delete it, but the html file will not respond. I slowly tested out that I can make wise use of `sessionStorage` to change its value. I gained such an inspiring and handy methods.
3. Writing file path: When I tried to organize my files based on file type, I failed lots of times. Suddenly I found that I didn't edit the file in the right version (I should close the html file and reopen because its location has changed.) I realized that we should write

code step by step and that corresponds to one of the debugging concepts: keep the bugs within reasonable scope.

Programming Concept:

1. Session storage:
I'm using JSON.parse and sessionStorage.setItem to enable selected slots to be share between files.
2. Object:
I'm using slot (time,locaiton) to store the time and location of a tartan testing / vaccination appointment in the slot object.
3. Array:
I'm using array selected_vaccine and selected_test as an array to aggregate all selected checkbox and helps with next step (check if we selected more than or less than the designated number of slots).
4. If / else:
I'm using the if/else to check what button to display on my Vaccination and my Tartan Testing page (add/edit+delete: if appointment is made, we show "edit/delete", but if not, we show "add".)
5. Alert:
I'm using the alert function to warn the user their action: 1. warning them that their selection of test slot or vaccination slot should not be empty or more than one. 2. Let them double check their action of deleting an appointment.

BONUS:

1. Useful functionality: when user click delete an appointment on My Vaccination/My Tartan Testing, the system will alert them to double check your action.
2. Useful functionality: when user click more than one slot or not clicking any slot or not clicking the vaccine type, the system will alert them that their selection should not be empty/should not be more than one. (because for making a tartan testing appointment, it does not make sense to make more than one tartan testing appointment or make an empty appointment.
3. Interesting functionality: on View Testing Slot and View Vaccine Slot page: view available test / vaccination slot by clicking the round button. Click again to view all Slots.
4. Product feedback and shopping cart: show that you have made your appointment not only on home page but also on My Tartan Testing page and My Vaccination page, and synchronizing the add/edit/delete to all pages on the system.