

## PUI Assign 6 – Reflection

Repository Link to GitHub: [https://github.com/sunnivaliu/pui-s22/tree/Assignment-6A/homework\\_6a](https://github.com/sunnivaliu/pui-s22/tree/Assignment-6A/homework_6a)

Hosting Link: [https://htmlpreview.github.io/?https://raw.githubusercontent.com/sunnivaliu/pui-s22/Assignment-6A/homework\\_6a/home.html](https://htmlpreview.github.io/?https://raw.githubusercontent.com/sunnivaliu/pui-s22/Assignment-6A/homework_6a/home.html)

1. You should clearly demonstrate what issues/bugs you encountered, what you learned from them and how did you resolve them. A good reflection will demonstrate a clear understanding of the issue, and how it may be mitigated in the future.
2. Writing should use an appropriate style and clearly convey the writer's concepts (this includes grammar).
3. Writing should demonstrate reflection on actual events and analyze these events to draw appropriate conclusions.

Assign 6A Functionality:  
(Started at Home Page):

1. When there is no appointment made, the Upcoming Test and Upcoming Vaccine Appointment will show as None in terms of Date and Location on Home Page. When the user has made an appointment, Date and Location will be displayed in the corresponding appointment type (Tartan Testing, Covid Vaccination). At the same time, My Tartan Testing page and My Vaccination page will also display such information.
2. Tartan Testing Appointment:  
(Click "Make an Appointment" → Instructions → Consent Form → Selection of Appointment Slot → Confirm)  
Selection of Appointment Slot: If the user selects more than one appointment slot in checkbox and click confirm, the alert message will appear and tell that we cannot select more than one appointment slot. If the user does not select any appointment slot and click confirm, the alert message will also appear and tell that selection should not be empty.
3. Covid Vaccination Appointment:  
(Click "Make an Appointment" → Selection of Vaccine Slot → Confirm)  
Selection of Appointment Slot: If the user selects more than one appointment slot in checkbox and click confirm, the alert message will appear and tell that we cannot select more than one appointment slot. If the user does not select any appointment slot and click confirm, the alert message will also appear and tell that selection should not be empty.

Issues / Bugs encountered & Resolution:

1. When using checkbox to store appointment information, it is initially hard for me to code out the if-else in JavaScript that can allow selecting only one appointment at a time. I googled multiple solutions, but none of them work on my code. Later when I asked my TA, he pointed me towards using id for objects, which is an efficient way in locating values. By using the uniqueness of id, I not only achieve the desired functionality but also learnt multiple ways of thinking.

2. I often forgot to use brackets in if-else conditions in JavaScript, and this can often lead to errors in the console. After debugging for a few times, this notion becomes stronger, and I know that brackets can help the system access and protect my object properties.
3. When I wished to use the same bunch of objects in multiple files, I failed multiple times. As I was frustrated, I noticed that the `sessionStorage.getItem` did not retrieve the correct object property, but a set of strings. Realizing this, I tried the JSON method recommended in lab session, and it actually worked. It turned out that I need to continue learning various data structures and types in order to cover all the user needs.