

## Reflection

### 1. Code Review (Your Own Work)

Reviewing your own code can sometimes be useful. Submit (as part of this reflection) comments on things you dislike about your Mock code, and what you might have done differently, given time. *Be honest; no code is perfect, especially at this stage.* However, also be compassionate; it is OK to say “I’m not sure what to do about this” (provided that’s honest) but it isn’t OK to say “this looks good to me”. **Both partners should participate in this exercise.**

- The colors in our graphs are generated randomly. The function regenerates colors for the bars every time the page refreshes/switches display mode. This might confuse the user but we were not able to figure out a solution to fix the colors after they are generated.
- The mobile view could’ve been enhanced by adjusting all the size of the graphs for the mobile, but we didn’t have the time to make sophisticated adjustments that optimize the view. We had ideas but didn’t have the time.
- More ways to visualize data, not just these two.
- specify the rows of the invalid data not just telling the user which columns had them.

### 2. Code Review (Others’ Work)

<https://github.com/cs0320-f24/cs0320-f24-server-server/pull/22/files>

## Meta Reflection

### 1. Was the *programming* experience new?

Since this is the second time we are using TypeScript and React, it started to get more familiar. It definitely is still weird to deal with all these files and components, especially that we had to deal with another tag `<bar>`, but it’s more enjoyable since we get to see the results of our code visually in real-time.

### 2. Was the *testing* experience new?

Testing with Playwright was very straightforward and easy to write, especially since the code lines are readable and similar to natural language. However, we faced a challenge when testing the visual components (graphs) in this sprint. Since the `<bar>` returns the graph as `<canvas>` which is an image. We were not able to test anything further than the visibility of the graph.

### **3. Bugs?**

We were very thorough when writing the code for this sprint. We made sure after each step that the web page is still the way we wanted to be for both the mobile and the desktop view. There's always a chance that a bug is lurking in our code, perhaps specific to some data graphing. However, our tests are rigorous so we don't think this is likely.