I struggled a lot in the beginning because I kept getting myriads of tricky bugs from nesting .then()'s within try{}. I also didn't fully understand the next() middleware and was just regurgitating what I saw in the lecture. However, after going to El's OH, my confusion was resolved, and it was pretty much smooth sailing from there. The hardest feature to implement was definitely the cart. At first, in the cart view, when the client pressed the "+" button to add one more of the item to their cart or the "-" button to remove an item from their cart, I was calling the GET endpoint to reobtain all the products that were in the cart and then clearing and repopulating the HTML. This was extremely inefficient and made the cart view of my page laggy. Thus, I realized that I should instead dynamically update the HTML for just the quantity of the item using JavaScript, and that I should only make a fetch call to the API and repopulate the HTML if the item's quantity reached 0 and thus had to be entirely removed from the cart and page. The most helpful resources were the lectures and in-person and Zoom office hours with El. If I had another week to work on this project, I would want to add a cart total to my cart view page. I enjoyed the front-end of this project the most. Since I coded and used the same API as my partner, we had to compromise on a lot of the design decisions. Thus, the front-end was where I had full creative freedom. I wish that I would have received feedback on all my other homework assignments and creative projects before this project was due, so that I could know if I was repeatedly making certain errors. Moreover, I think some of the JavaScript code should be due for the final project proposal as it was by far the most arduous part of the project.

Although it was difficult to collaboratively code at times because VS Code live share was very inconsistent, I really enjoyed working with my partner. If I was working alone and realized that my API wasn't working properly because I had an extra "/", I would've been extremely frustrated with myself. However, fixing this bug with my partner gave us both a good laugh, and

an unexpected moment to look fondly back on. I also liked attending office hours in person with my partner as this gave me the confidence to ask more questions than I would have if I had gone alone. I would tell future students to start this project early, as the API can take a while to debug and you want to have enough time to implement all your desired features. I would also tell future students to take advantage of office hours; it's not an efficient use of your time to struggle on one bug by yourself for more than 40 minutes.