

## CS 132 Final Project Reflection

- **What were the hardest features to implement? How did you approach these problems?**
  - The hardest features to implement were the GET requests to access all products and their information in the form of a JSON object and the POST request to send contact information to the server. I approached the GET request problem by having the file directory structure on hand and creating one giant function that retrieves the information. Then, I split this method up by creating helper functions to simplify this function, which actually ended up being useful for accessing individual product information. My code for the POST request was returning errors even though I was using the Cafe API contact form as a template, so I approached this problem using breakpoints and `console.log()` statements to figure out where exactly the errors were occurring.
- **What resources were most helpful to you (either provided by the course or found online)?**
  - The resources that were most helpful to me were the lecture slides, the Cafe API case study, and MDN documentation.
- **If you had another week to work on this project, what would you add to your store?**
  - If I had another week to work on this project, I would improve the design of the store and add UI elements such as a slideshow for the specials section of the homepage. I would also add the capability to actually buy

the product and update the stock of the product. Furthermore, currently, all the toppings are hardcoded into the Javascript, making it tedious to add more topping options in the future. If I had more time, I would possibly use data structures to hold a list of toppings and standardize the process for other toppings by just iterating through the list instead of adding an object property for each topping.

- **What did you enjoy the most about this project? What was the most rewarding?**
  - I enjoyed being able to use my creativity while creating something basically from scratch. It was really rewarding to be able to see that I was able to create my own full-stack website from scratch which was not something I would have even remotely be able to do before taking this class.
- **If you worked with a partner, how was the experience/workload distribution? Would you recommend this in the future?**
  - I did not work with a partner, but I would highly recommend working with one. This project takes a long time with just the front-end HTML/CSS and client-side Javascript alone, let alone building the file structure and creating the API and writing functions to use the API. Working with a partner would have significantly decreased the amount of time it took me to complete this project.
- **What advice would you give to future students taking the course/implementing the Final Project?**

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- Work with a partner, don't procrastinate, and have fun with it!