

## **CS132 Final Project Reflection - Jesse Wang (CoinBased)**

Overall, I had a pretty fun time working on this final project, and thought it was a good way to wrap up the term. There is definitely an emphasis on material from the final 2-3 weeks, which in my opinion is much more interesting than the previous material. Keeping this in mind, one of the hardest features to implement for me was the cart checkout functionality, where I needed to combine both local storage and a POST endpoint in order to reach full functionality. I approached this problem by re-reading the documentation and lecture notes, then testing some simple scripts with the node and client side debugger. Some helpful resources I found were MDN and the express documentation, both of which are simple to read and provide not just documentation but also provide examples of use cases, etc. If I had another week to work on this project, I would probably improve on the single-view (coin.html) for each product to include more information, maybe pull real-time data from an existing API to supplement my own hand-made data. I would also try to improve the styling of the webpage, maybe include more graphics etc (although I wouldn't choose to use vanilla CSS). The thing I enjoyed most about this project was just connecting different html views with different scripts, while all being connected to the same backend. I enjoyed seeing everything work well together, and keeping in mind the bigger scope of the project as I was implementing finer details. The thing I least enjoyed about the project, as most students probably would say, was documentation. Working on a relatively small project like this in a short span of time means that I got lazy with documentation, and relied on pure memory instead. I think the breakdown of the assignment was pretty helpful, and I ended up liking the split between frontend with the proposal and the backend. I would also maybe include the APIDOC requirement with the proposal, so students can plan out how their API looks before implementation. Some advice for future students taking

the course is to review the Cafe API case study, use office hours to the best of their abilities, and check MDN and express online documentation for implementation questions.