

If I had more time I would improve on a couple of points, both on the Frontend and the Backend.

I always start with the Backend whenever I build full-stack apps, and today wasn't the exception. I took the APPENDIX A JSON object and created the Model Schema off it. Part of me feels the Model Schema is too big, and should be divided into individual objects and connected by the reference to one of the ObjectId's Mongo gives each document. I tried doing that, but when it wasn't mapping correctly, I quickly went back to the Model Schema I used at the end. I would take the time to research the most efficient and best practice way to go about this.

When I wrote the seeding function, as I created the DonorModel, I had to map through each object as the CSV data was formatted more SQL-like than JSON-like. It left me wondering if there was a better way than how I went about it to make it happen. I would also pay closer attention and ensure seed data is uniform. The amount donated came with different decimal places, so I would ensure it was just two decimal places. It eventually made a difference when filtering data on the Frontend.

I don't know that this is so much optimization as just clean-up. I toyed with the idea of asking the user to seed the data into a NoSQL database. When I decided it was easier for me to seed it, and share my string for expediency and to mitigate errors, I decided to leave the seeding function in the server folder, and I'm 50/50 about that decision. Then, I just commented out the function call, so I hope it doesn't look sloppy.

When it came to the Frontend I went wrong using a library I had used, but not to the extent I needed it for this take-home. I spent most of my time troubleshooting and debugging because react-table kept throwing errors. What I thought would make it easier, in part did make it easier and in another part, it didn't. I also had the most trouble getting the total amount to work properly. At the moment, it doesn't add things properly because the 'amount' data structure is not consistent, some are 5.00 and other amounts are 10.0000, so the filter sees them as different. I feel if I had more time I would be able to get it to work properly, so I left it in. In a similar vein, react-table was giving issues with making the total amount its own full row, so that's something else I would work on.