

Final Exam-Have It Your Way!

Due Date: Saturday, 5/16/20

When in doubt, have the students do their thing. As a result, I am tasking you creating your own project. I have listed some specifications, and you are allowed to go as far as you would like with it. This is a great chance to create something you can put on your resume!

Goal: Create a full stack application with a React front end, and use express/mongoose to communicate with a MongoDB database.

Project Overview

Here are the three parts of this Project:

1. A PDF of specs, use all of my previous specs as an example (sans all of my typos and ambiguity)
 - a. Give it a catchy name and a time frame for completion
 - b. Give sample test cases
2. Starter Code for your project
3. Implementation (see below)

Required Implementation

Let's talk about implementation requirements, you **must** have:

- React Front End
 - You must have at least two components
 - One of the components should use fetch to communicate with your backend
 - You must implement at least one of each of the following in your app (using fetch):
 - GET: The entire database
 - GET: Search for a specific entry
 - POST: Enter a specific entry
 - PUT: To update an entry
 - DELETE: To remove an entry
- Express Back End:
 - Create your own router
 - Must handle each of the above requests
 - Must integrate Mongoose
 - Communicates with your database
 - Please leave your database URL and Password

Please make sure all three parts live inside of the FinalExam folder! Call your specs pdf "FinalExamSpecs.pdf", the starter code "starterCode", and your implementation "implementation"