

# 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"***