

Short Writeup

This project is a simple Task Management System that allows users to create tasks and organize them by an intuitive drag and drop interface. It has been tested on Ruby 3.0.3 and Rails 6.1.4.4. The database is implemented using SQLite3. The front-end is implemented in React.js.

Presently, users cannot create tasks, but tasks are defined in `app/javascript/test_data.js`. These tasks can be dragged around the categories, which are also defined in `app/javascript/test_data.js`. The login button is not functional. There is also a Tasks database for the project.

For the most part, most of the template has been established already, and what remains is transferring the test data into the databases. The user is able to click on a task to see more details, but functionality for editing the details has not been implemented yet. Given that the bulk of the project has been implemented already, it is quite a shame that my Rails started failing and I couldn't find the issue, even after a full reinstall of it.

Learning Points

Even though it was a short 1 month of effort, I feel like I learnt quite a bit from this assignment. For one, I managed to learn some Ruby, which was very different from the JavaScript (Source) taught in CS1101S. Furthermore, I was exposed to Rails, which I felt had very unintuitive syntax and presented a very steep learning curve. Therefore, I'm glad to have at least made somewhat of a working back-end towards the end of the project.

As for the front-end, which was implemented in React.js, the syntax felt more familiar but it was interesting to think of a webpage as modular components that can be edited independently. It was also fun to play around the styles using CSS.

Throughout the project, I'm very happy to have learnt quite a fair bit on networking such as HTTP, web development and the recent technologies supporting it. I also wondered if using a full JavaScript development stack (Using Next.js, Express.js etc) might have simplified the development process, but I still enjoyed the challenge of working in Ruby on Rails for this CVWO assignment.