

Final Submission

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Summary:

This has been a while working on this project. I have really gotten to know much more about web development than I initially had. Writing a simple web in react on rails is largely different from using tomcat, java and spring which I had prior experience of. This made me realize this area(web development) is very broad and how insufficient my knowledge was about web programming and how much more is there to learn.

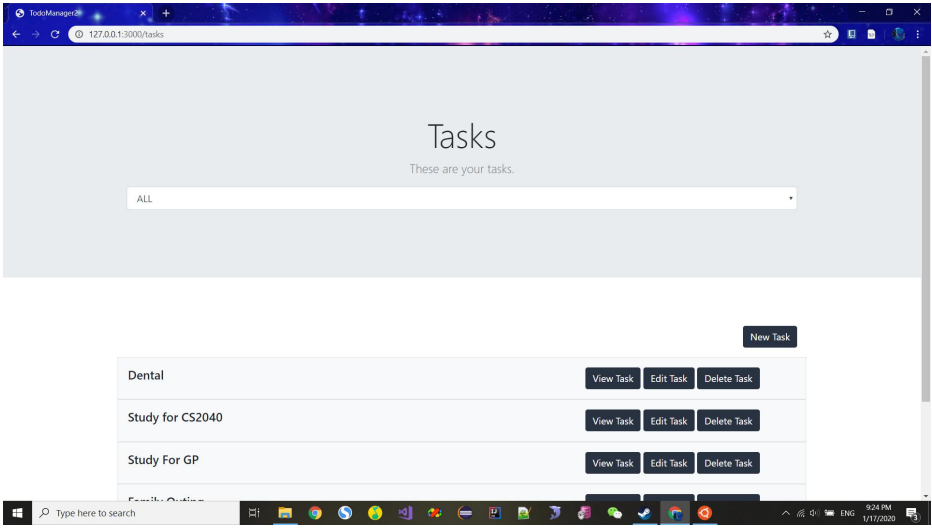
Not only did I learn about react and ruby, but another whole bunch of stuff such as git, pushing and pulling with github repository, linux etc. This experience or attempt is, I believe, still very valuable to me regardless of whether I am chosen to the CVWO team which I really eager to be part of. Because this could be a golden chance to learn new stuff, gain hand-on practical experience, and get to know a group of people or mentors in this field.

I spent some time reading up the official and unofficial guide, tutorial, examples and gradually familiarize myself with different functionality of react on rails. I referred to many different tutorial's application's structure and learned from here and there. Initially there was a lot of version issues such as webpack and dependencies not compatible. Later it became more towards the actual code. I learned about render, fetch, componentDidMount, constructor, props, react component, writing controller, router etc. I have used JS not only in my previous web app but CS1101S, but this assignment is what really make me think how JS is practically used in a web application to achieve dynamic interaction.

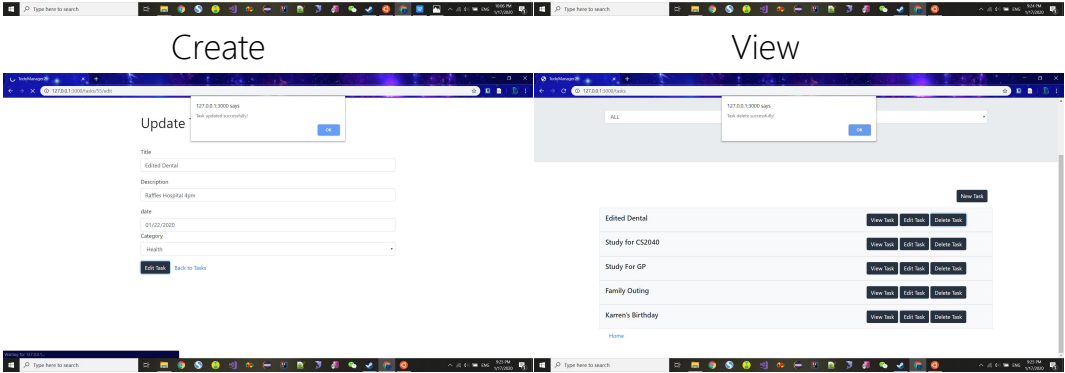
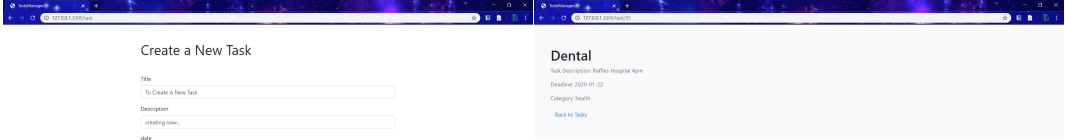
The whole process is painful but fulfilling at the same time.

User Manual

Main Page



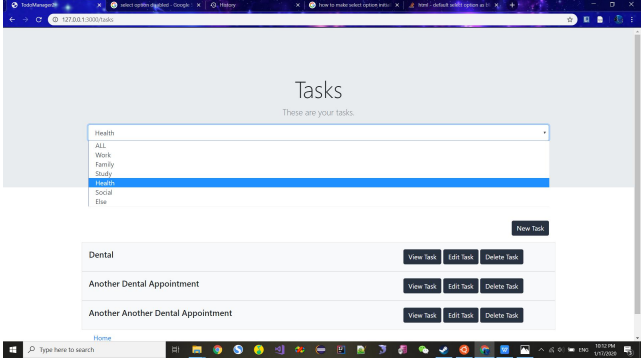
This application have basic functionality Create, View, Edit and Delete Tasks. These are images of each of these functions.



Edit

Delete

The search box could be used to display tasks of a certain category only.(while creating there is a select box for task category.



Improvement Plan

1. Dynamically show categories:
 - store the categories of tasks (tagging) in database
 - retrieve the data while creating a task (show the categories in the select option box
 - in main page the select box as well
2. Implement Login system
 - create user (userID, userName, password
 - login to see only tasks of current user
 - link tasks' foreign key to userID
3. Security checks
 - sql command restriction