SUBMISSION FOR B4

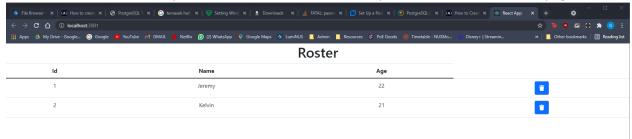
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Matriculation Number: A0199554L

Github Link: https://github.com/gordonfgz/CS3219_OTOT_TASK_B.git

1. Using React frontend to interact with backend API

Created a Roster class that queries from a backend server and produces the data on a webpage:



Code lies in Roster.js

If results were not queried properly, then the webpage would display the name as "Hardcoded".

Evidently, it isn't hardcoded because the users array in Roster.js is updated by accessing the get api in index.js in the backend by using axios.get()

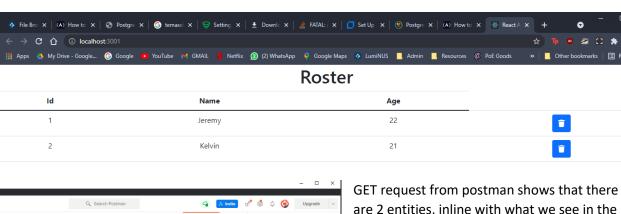
Here is the index.js that has all the backend apis.

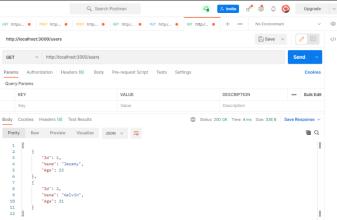
The get request of /users is called in Roster.js and that is how the webpage is able to produce data from the backend.

Roster class is imported into React App:

Delete button in webpage works with the backend:

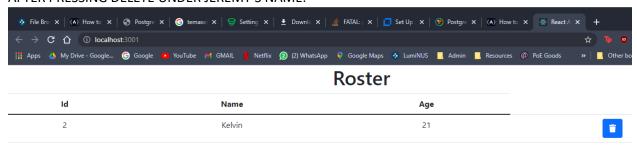
BEFORE PRESSING DELETE:

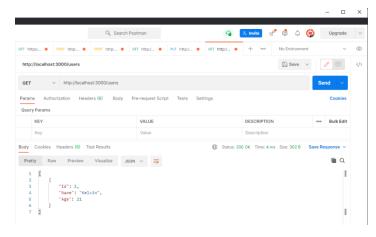




are 2 entities, inline with what we see in the webpage. Pressing delete on the webpage should result in the next GET request in postman showing only the name that is not deleted. (To prove that deletion happens in the backend and our front end managed to call an API that deals with the data)

AFTER PRESSING DELETE UNDER JEREMY'S NAME:





As you can see, after pressing the delete button, GET request only returns 1 entry. This means that the delete button on the webpage successfully called an API to update the "database" that an entry is deleted.

2.Used boostrap

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### Apps - Office | Mark | Statis | Mark | Mark | Statis | Mark | Mark
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imported boostrap in App.js

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| Minimizer | Market | Market
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added boostrap into index

used bootstrap styling in Roster.js

Special thanks to:

https://www.freecodecamp.org/news/how-to-create-a-react-app-with-a-node-backend-the-complete-guide/

https://jinalshah999.medium.com/reactjs-step-by-step-tutorial-series-part-4-build-todo-application-using-reactjs-ab219c9b3608