SUBMISSION FOR B1 AND B2

Name: Gordon Foo

Matriculation Number: A0199554L

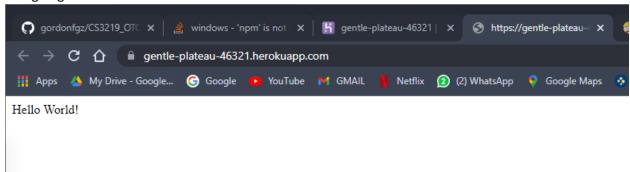
github link: https://github.com/gordonfgz/CS3219_OTOT_TASK_B.git

Running locally:

- 1. Open project in vscode
- 2. Open terminal and run npm start

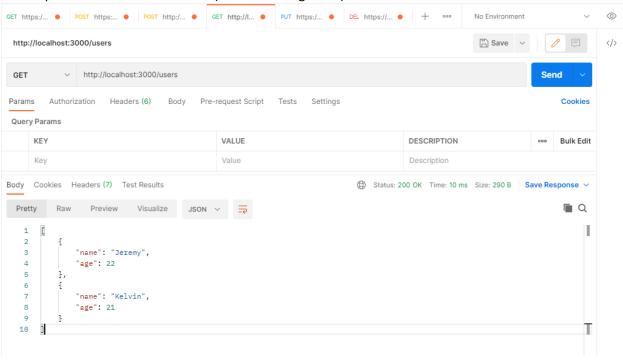
Running on Heroku:

- 1. Make sure git is updated
- Open terminal and run git push heroku main terminal will run and give the url to the web app going to the link shows the default Hello World

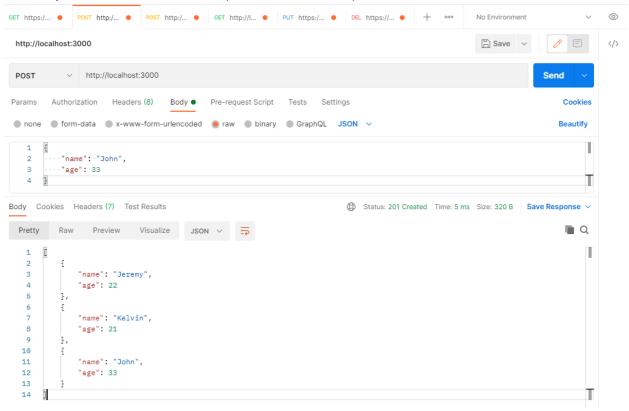


LOCALHOST TESTING

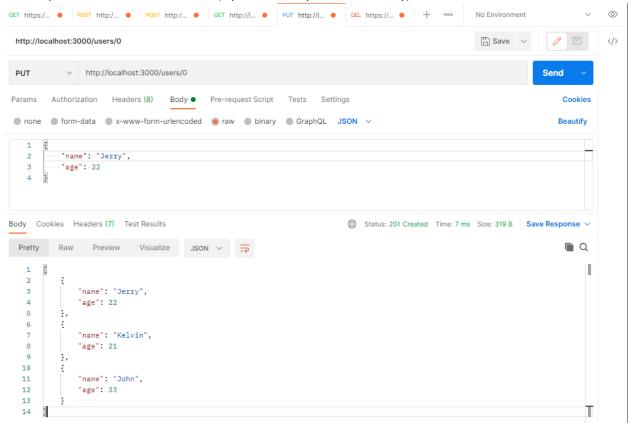
GET request results from localhost: (Get all existing users)

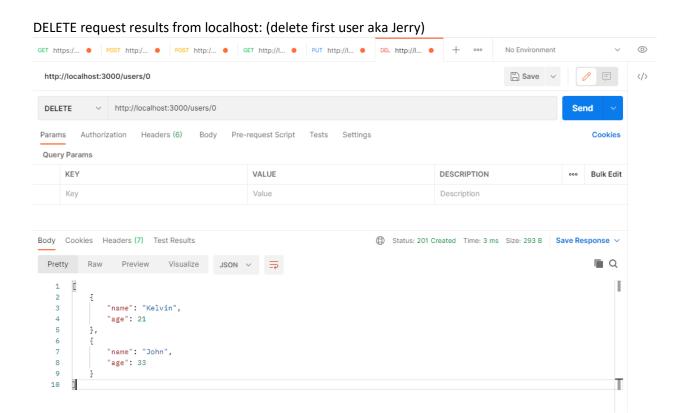


POST request results from localhost: (Add a new user John)

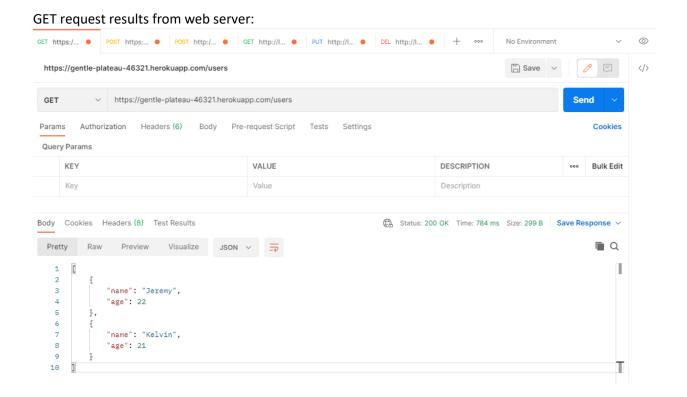


PUT request results from localhost: (Update Jeremy's name to Jerry)

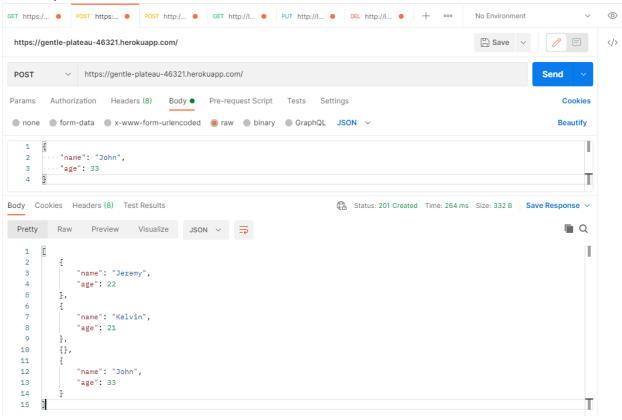




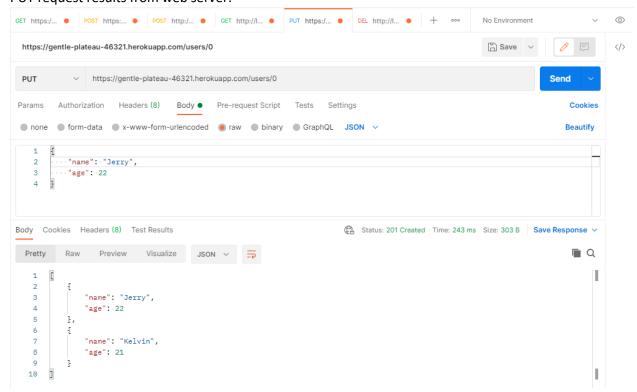
DEPLOYED SERVER TESTING



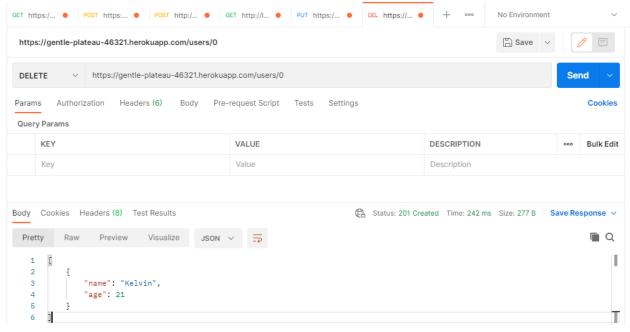
POST request results from web server:



PUT request results from web server:

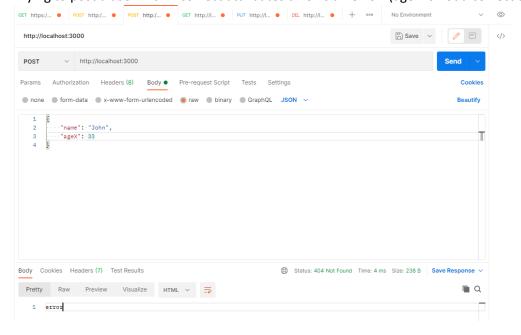




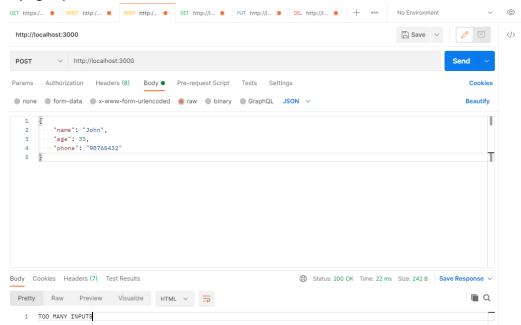


EDGE CASE AND ERROR RESILIENCY

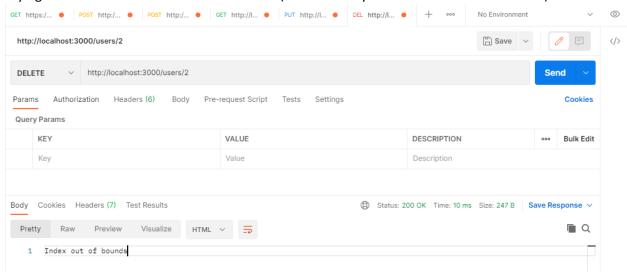
Trying to post a user with incorrect attributes throws an error: (ageX is not a correct attribute)



Trying to post a user with additional attributes also throws an error:

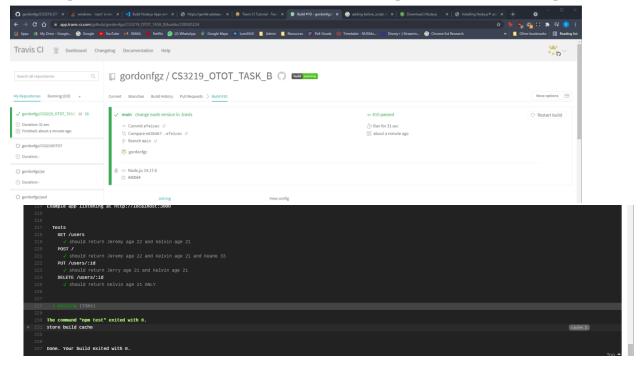


Trying to delete a user at index that is invalid: (there are only 2 users so index 2 is not valid)



TESTING USING MOCHA AND CHAI

Using Travis to automate testing and building



Note:

The code has since been changed after completing task B4. However, the change is very minor. There is an addition of an Id field in the array of users. I have since updated the test.js in light of the change. However, since nothing conceptually/fundamentally changed (What I did in postman is the same as what I did in the testcases anyway), I kept the above screenshots as they are still able to show that the different requests work and the error handling considerations are the same.

Special thanks to:

https://www.digitalocean.com/community/tutorials/test-a-node-restful-api-with-mocha-and-chai https://stackoverflow.com/questions/24364361/permission-denied-when-running-npm-test-via-mocha-on-travis-ci/30141673