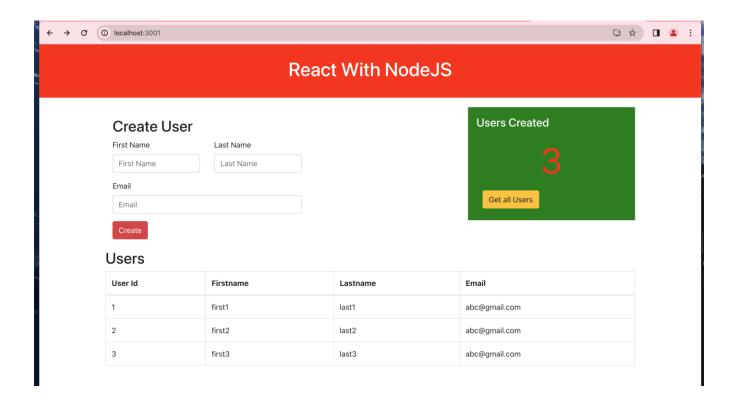
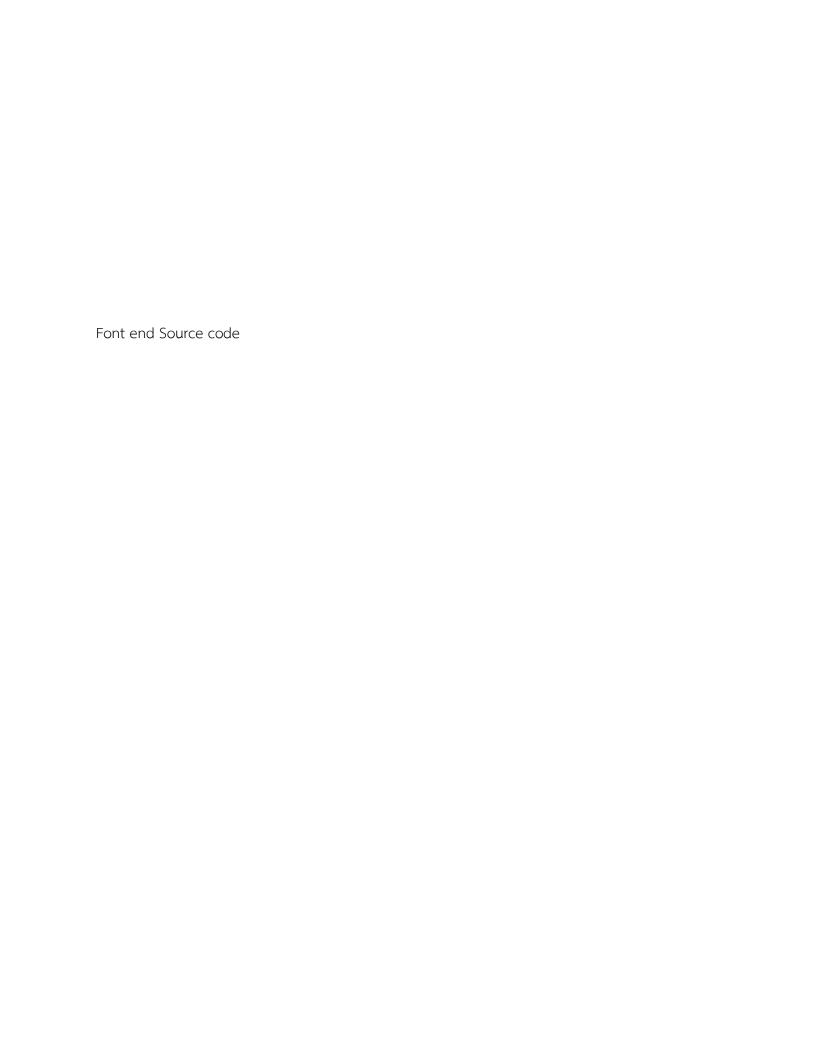
LAB 4 ENGSE203





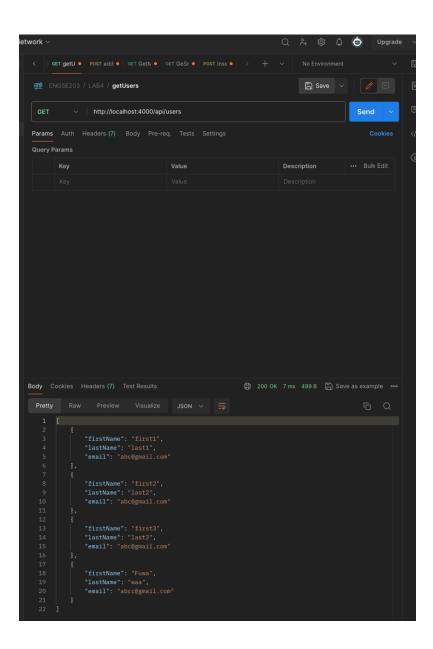
```
import React, { useState, useEffect } from "react";
      import "bootstrap/dist/css/bootstrap.min.css";
      import "./App.css";
      import { Header } from "./components/Header";
      import { Users } from "./components/Users";
      import { DisplayBoard } from "./components/DisplayBoard";
      import CreateUser from "./components/CreateUser";
      import { getAllUsers, createUser } from "./services/UserService";
      import { Movies } from "./components/Movies";
      import { getAllMovies, createMovie } from "./services/MovieService";
      function App() {
14
        const [user, setUser] = useState({});
       const [users, setUsers] = useState([]);
       const [numberOfUsers, setNumberOfUsers] = useState(0);
18
20
        const [movies, setMovies] = useState([]);
       const userCreate = (e) => {
         createUser(user).then((response) => {
           console.log(response);
           setNumberOfUsers(numberOfUsers + 1);
        const fetchAllUsers = () => {
          getAllUsers().then((users) => {
            console.log(users);
            setUsers(users);
            setNumberOfUsers(users.length);
       useEffect(() => {
38
         getAllUsers().then((users) => {
           console.log(users);
            setUsers(users);
           setNumberOfUsers(users.length);
          getAllMovies().then((movies) => {
           console.log(movies);
           setMovies(movies);
        const onChangeForm = (e) => {
         if (e.target.name === "firstname") {
```

```
user.firstName = e.target.value;
54
          } else if (e.target.name === "lastname") {
55
            user.lastName = e.target.value;
56
          } else if (e.target.name === "email") {
57
            user.email = e.target.value;
59
         setUser(user);
60
        };
62
          <div className="App">
64
            <header></Header>
65
            <div className="container mrgnbtm">
              <div className="row">
                <div className="col-md-8">
68
                  <CreateUser
                    user={user}
70
                    onChangeForm={onChangeForm}
71
                    createUser={userCreate}
72
                  ></CreateUser>
                </div>
74
                <div className="col-md-4">
75
                  <DisplayBoard
76
                    numberOfUsers={numberOfUsers}
77
                    getAllUsers={fetchAllUsers}
78
                  ></DisplayBoard>
79
                </div>
80
              </div>
            </div>
82
            <div className="row mrgnbtm">
              <Users users={users}></Users>
83
84
            </div>
85
            <div className="row mrgnbtm">
              <Movies movies={movies}></Movies>
86
87
            </div>
          </div>
89
        );
90
91
92
      export default App;
93
```

```
const express = require("express");
const path = require("path");
const app = express(),
 bodyParser = require("body-parser");
port = 4000;
const users = [
    firstName: "first1",
    lastName: "last1",
    email: "abc@gmail.com",
    firstName: "first2",
    lastName: "last2",
    email: "abc@gmail.com",
    firstName: "first3",
lastName: "last3",
    email: "abc@gmail.com",
app.use(bodyParser.json());
app.use(express.static(path.join(__dirname, "../my-app/build")));
app.get("/api/users", (req, res) => {
 console.log("api/users called!");
 res.json(users);
app.post("/api/user", (req, res) => {
 const user = req.body.user;
  console.log("Adding user::::", user);
  users.push(user);
 res.json("user addedd");
app.get("/", (req, res) => {
res.sendFile(path.join(__dirname, "../my-app/build/index.html"));
app.listen(port, () => {
 console.log(`Server listening on the port::${port}`);
```

ทดสอบยิง API

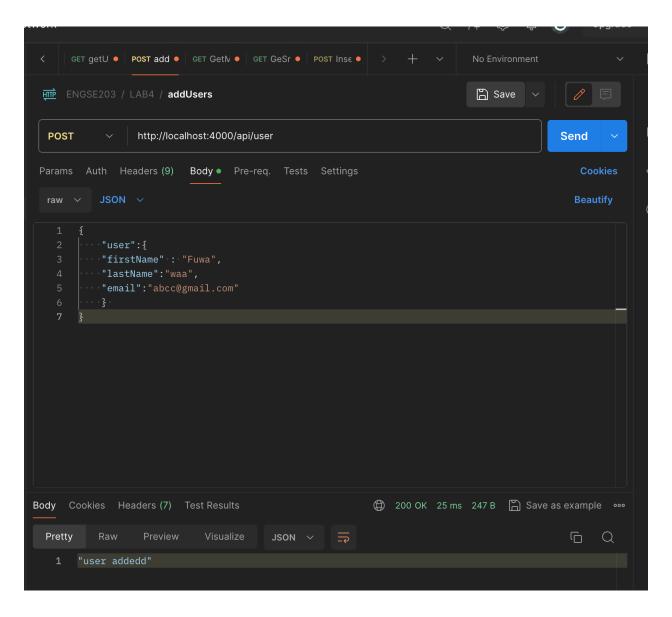
GET



```
> react-nodejs-example@1.0.0 dev
> nodemon ./server.js localhost 4000

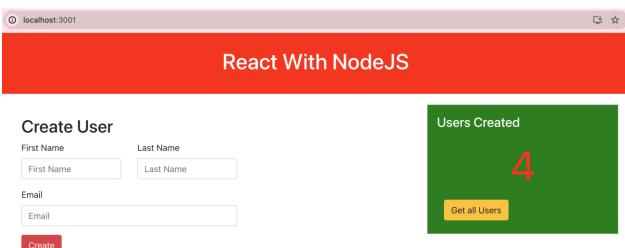
[nodemon] 2.0.22
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,json
[nodemon] starting `node ./server.js localhost 4000`
Server listening on the port::4000
api/users called!
```

POST



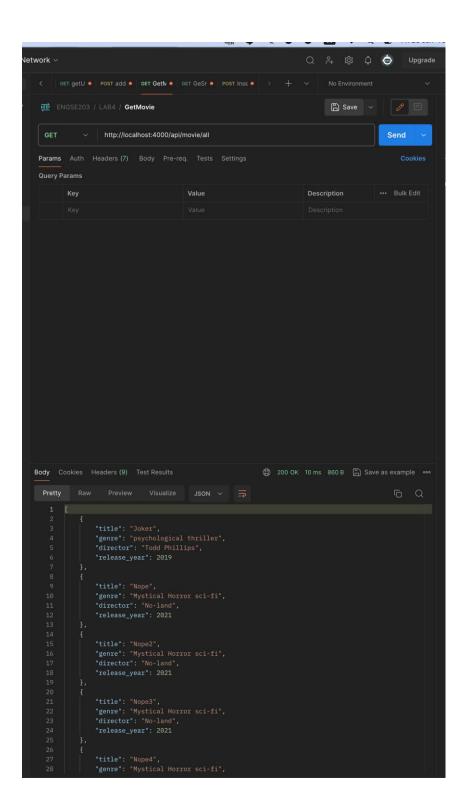
```
Server listening on the port::4000 api/users called!
Adding user:::: { firstName: 'Fuwa', lastName: 'waa', email: 'abcc@gmail.com' }
```

ตรวจเช็ค User ที่ add เข้ามา

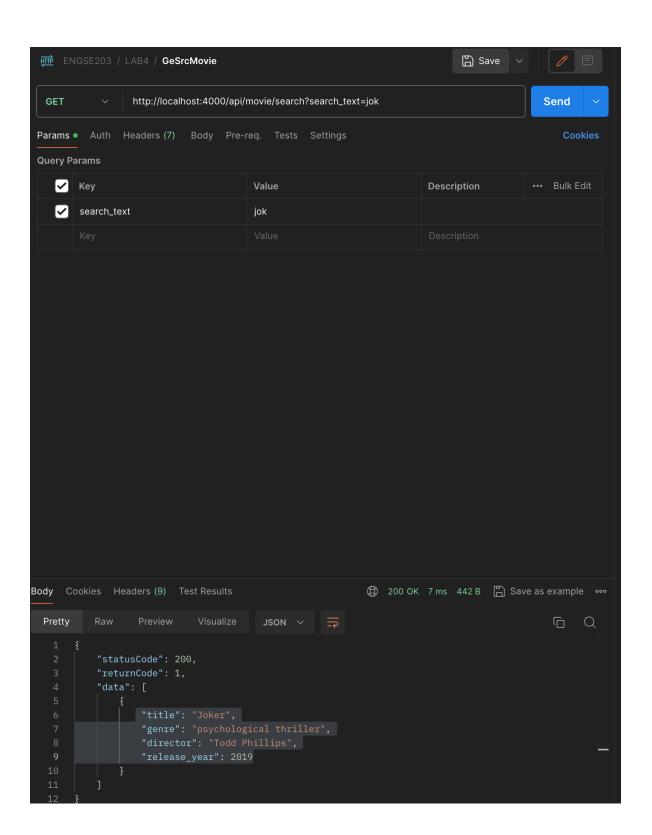


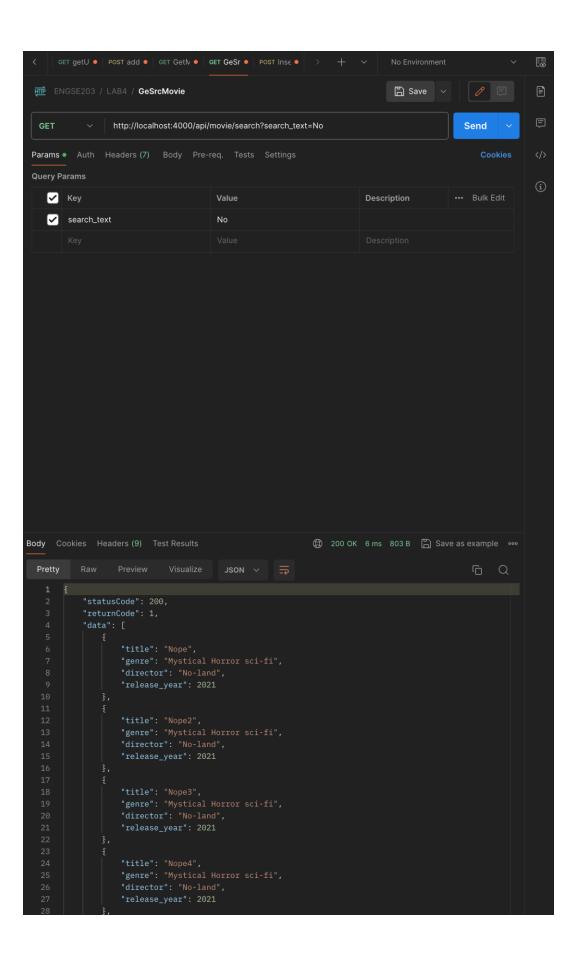
Users

User Id	Firstname	Lastname	Email
1	first1	last1	abc@gmail.com
2	first2	last2	abc@gmail.com
3	first3	last3	abc@gmail.com
4	Fuwa	waa	abcc@gmail.com

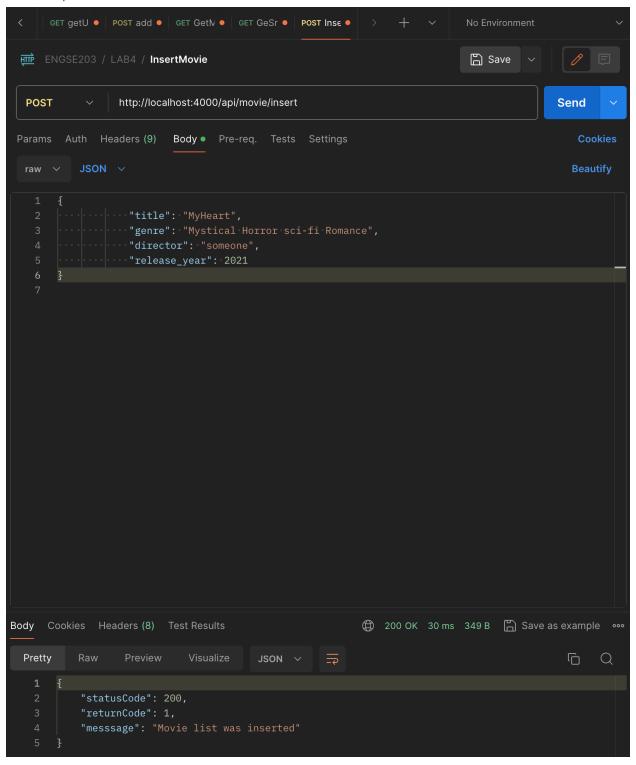


ทดสอบยิง Api move Search





ทดสอบ Api Insert



ทดสอบ ใส่ข้อมูลซ้ำเพื่อไม่ให้ Api พัง

