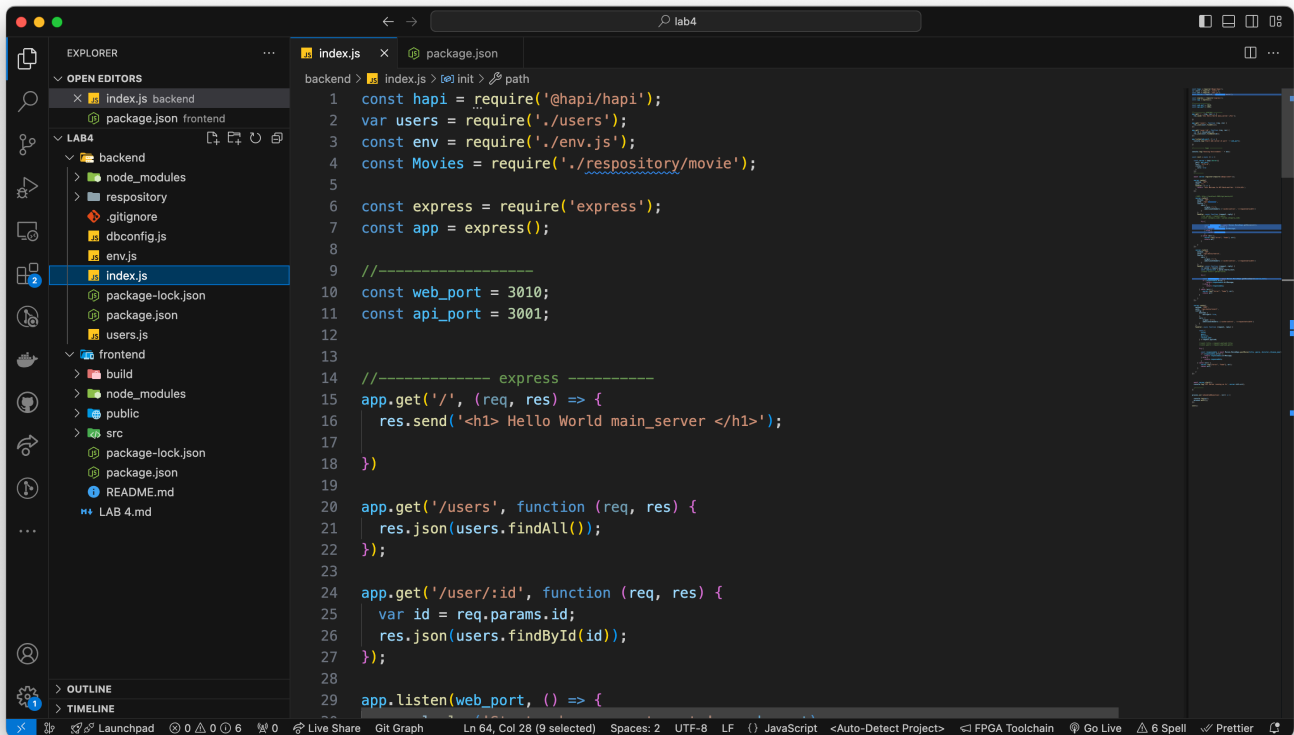


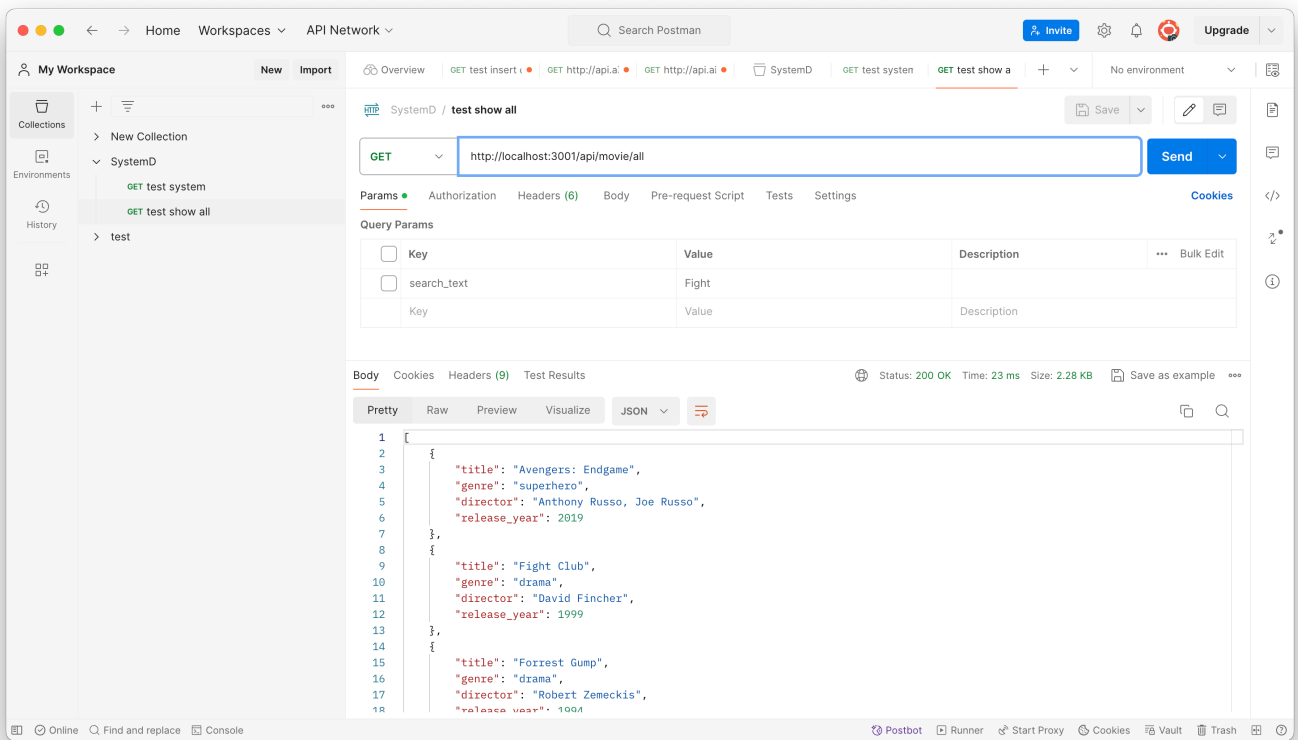
# Lab4 Reactjs (Front-end) - งานเพิ่ม Movies

นำ Lab 3 มาใช้งานเป็น back-end

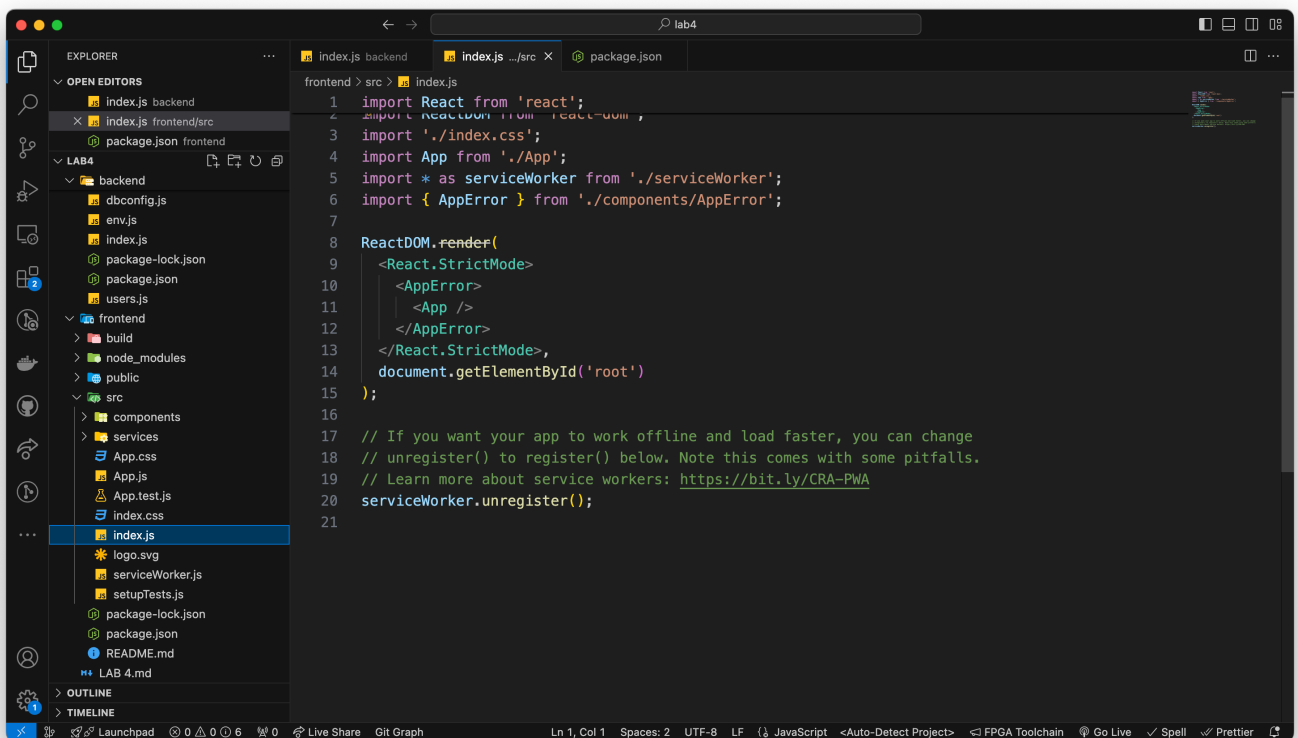


```
1  const hapi = require('@hapi/hapi');
2  var users = require('./users');
3  const env = require('./env.js');
4  const Movies = require('./respository/movie');
5
6  const express = require('express');
7  const app = express();
8
9  //-----
10 const web_port = 3010;
11 const api_port = 3001;
12
13 //----- express -----
14 app.get('/', (req, res) => {
15   res.send('<h1> Hello World main_server </h1>');
16 }
17 );
18
19 app.get('/users', function (req, res) {
20   res.json(users.findAll());
21 });
22
23 app.get('/user/:id', function (req, res) {
24   var id = req.params.id;
25   res.json(users.findById(id));
26 });
27
28
29 app.listen(web_port, () => {
```

ทดสอบการทำงานของ API



และนำ UI ของ lab 1 มาใช้งานเป็น front-end



แก้ไข package.json แก้ปัญหาในการทำงานเรื่อง version ของ nodejs ทั้งการ start และ build

```
"scripts": {
  "start": "export PORT=4000 && react-scripts --openssl-legacy-provider start",
  "build": "react-scripts --openssl-legacy-provider build",
  ....
},
```

เพิ่มไฟล์ frontend/src/components/Movies.js

```
import React from 'react'

export const Movies = ({movies}) => {

  console.log('movies length:::', movies.length)
  if (movies.length === 0) return null

  const MovieRow = (movie, index) => {

    return(
      <tr key = {index} className={index%2 === 0?'odd':'even'}>
        <td>{index + 1}</td>
        <td>{movie.title}</td>
        <td>{movie.genre}</td>
        <td>{movie.director}</td>
        <td>{movie.release_year}</td>
      </tr>
    )
  }

  const movieTable = movies.map((movie, index) => MovieRow(movie, index))

  return(
    <div className="container">
      <h2>Movies</h2>
      <table className="table table-bordered">
        <thead>
          <tr>
            <th>Movie Id</th>
            <th>Title</th>
            <th>Genre</th>
            <th>Director</th>
            <th>Release</th>
          </tr>
        </thead>
        <tbody>
          {movieTable}
        </tbody>
      </table>
    </div>
  )
}
```

เพิ่มไฟล์ frontend/src/components/CreateMovie.js

```

import React from 'react'

const CreateMovie = ({onChangeForm, createMovie }) => {

  return(
    <div className="container">
      <div className="row">
        <div className="col-md-7 mrgnbtm">
          <h2>Create Movie</h2>
          <form>
            <div className="row">
              <div className="form-group col-md-6">
                <label htmlFor="exampleInputEmail1">Title</label>
                <input type="text" onChange={(e) => onChangeForm(e)}
className="form-control" name="title" id="title" placeholder="Title" />
              </div>
              <div className="form-group col-md-6">
                <label htmlFor="exampleInputPassword1">Genre</label>
                <input type="text" onChange={(e) => onChangeForm(e)}
className="form-control" name="genre" id="genre" placeholder="Genre" />
              </div>
            </div>
            <div className="row">
              <div className="form-group col-md-6">
                <label htmlFor="exampleInputEmail1">Director</label>
                <input type="text" onChange={(e) => onChangeForm(e)}
className="form-control" name="director" id="director" placeholder="Director" />
              </div>
              <div className="form-group col-md-6">
                <label htmlFor="exampleInputEmail1">Release</label>
                <input type="text" onChange={(e) => onChangeForm(e)}
className="form-control" name="release_year" id="release_year" placeholder="Release" />
              </div>
            </div>
            <button type="button" onClick= {(e) => createMovie()}
className="btn btn-danger">Create</button>
          </form>
        </div>
      </div>
    </div>
  )
}

export default CreateMovie

```

เพิ่มไฟล์ frontend/src/components/SearchMovie.js

```

import React from 'react'

const SearchMovie = ({onChangeForm, searchMovie }) => {

```

```

return(
  <div className="container">
    <div className="row">
      <div className="col-md-7 mrgnbtm">
        <h2>Search Movie</h2>
        <form>
          <div className="row">
            <div className="form-group col-md-6">
              <input type="text" onChange={(e) => onChangeForm(e)}
className="form-control" name="director" id="director" placeholder="Director" />
            </div>
            <button type="button" onClick= {(e) => searchMovie()}
className="btn btn-danger">Search</button>
          </form>
        </div>
      </div>
    </div>
  )
}

export default SearchMovie

```

แก้ไขไฟล์ frontend/src/components/DisplayBoard.js

```

import React from 'react'

export const DisplayBoard = ({numberOfMovies, getAllMovies}) => {

  const headerStyle = {

    width: '100%',
    padding: '2%',
    backgroundColor: "red",
    color: 'white',
    textAlign: 'center'
  }

  return(
    <div style={{backgroundColor:'green'}} className="display-board">
      <h4 style={{color: 'white'}}>Movies Created</h4>
      <div className="number">
        {numberOfMovies}
      </div>
      <div className="btn">
        <button type="button" onClick={(e) => getAllMovies()} className="btn
btn-warning">Get all Movies</button>
      </div>
    </div>
  )
}

```

เพิ่มไฟล์ frontend/src/services/MovieService.js

```
export async function searchMovie(search_data) {

  try {

    console.log('search_data: ' + search_data);

    const response = await fetch('http://localhost:3001/api/movie/search?search_text=' + search_data);

    return await response.json(); /**/

    // console.log('Search Movie response: ' + await response);

  } catch (error) {
    return [];
  }

}

export async function getAllMovies() {

  try{
    //const response = await fetch('/api/users');
    const response = await fetch('http://localhost:3001/api/movie/all');
    //const response = await fetch('/api/movie/all');
    return await response.json();
  }catch(error) {
    return [];
  }

}

//----- ยังไม่เสร็จ -----
export async function createMovie(data) {
  const response = await fetch(`/api/user`, {
    method: 'POST',
    headers: {'Content-Type': 'application/json'},
    body: JSON.stringify({user: data})
  })
  return await response.json();
}
```

ปรับปรุง App.js

```
import React, { useState, useEffect } from 'react';
import 'bootstrap/dist/css/bootstrap.min.css';
import './App.css';
import { Header } from './components/Header'
import { DisplayBoard } from './components/DisplayBoard'

//-----
```

```

import { Movies } from './components/Movies'
import CreateMovie from './components/CreateMovie'
import SearchMovie from './components/SearchMovie'
import { getAllMovies, createMovie, searchMovie } from './services/MovieService'

function App() {

  //-----
  const [search_data, setSearch_data] = useState({})
  const [movie, setMovie] = useState({})
  const [movies, setMovies] = useState([])
  const [numberOfMovies, setNumberOfMovies] = useState(0)

  const movieCreate = (e) => {

    createMovie(movie)
      .then(response => {
        console.log(response);
        setNumberOfMovies(numberOfMovies + 1)
      });

    fetchAllMovies(); /* */
  }

  const movieSearch = (e) => {

    console.log(search_data.search_text);

    searchMovie("jok")
      .then(movies => {
        console.log(movies.data);
        setMovies(movies.data);
        setNumberOfMovies(movies.data.length);

      });

  }

  const fetchAllMovies = () => {
    getAllMovies()
      .then(movies => {
        console.log(movies);
        setMovies(movies);
        setNumberOfMovies(movies.length);
      });
  }

  useEffect(() => {

    getAllMovies()
      .then(movies => {
        console.log(movies)
        setMovies(movies);
        setNumberOfMovies(movies.length)
      })
  })
}

```

```

    });

}, [])

const onChangeForm = (e) => {
  if (e.target.name === 'title') {
    movie.title = e.target.value;
  } else if (e.target.name === 'genre') {
    movie.genre = e.target.value;
  } else if (e.target.name === 'director') {
    movie.director = e.target.value;
  } else if (e.target.name === 'release_year') {
    movie.release_year = e.target.value;
  }
  setMovie(movie)
}

const onChangeForm2 = (e) => {
  if (e.target.name === 'search_text') {
    search_data.search_text = e.target.value;
  }
  setSearch_data(search_data)
}

return (
  <div className="App">
    <Header></Header>
    <div className="container mrgnbtm">
      <div className="row">
        <div className="col-md-8">
          <CreateMovie
            // user={user}
            movie={movie}
            onChangeForm={onChangeForm}
            createMovie={movieCreate}
          >
          </CreateMovie>
        </div>
        <div className="col-md-4">
          <DisplayBoard
            numberOfMovies={numberOfMovies}
            getAllMovies={fetchAllMovies}
          >
          </DisplayBoard>
        </div>
      </div>
    </div>
    <div className="row mrgnbtm">
      <SearchMovie
        // user={user}
        movie={movie}
      >
    </div>
  </div>
)

```



```

        onChangeForm={onChangeForm}
        searchMovie={movieSearch}
      >
    </SearchMovie>

    { /* <SearchBoard
      // user={user}
      search_data={search_data}
      onChangeForm2={onChangeForm2}
      searchMovies={searchMovie}
    >
    </SearchBoard> */ }

  </div>
  <div className="row mrgnbtm">
    <Movies movies={movies}></Movies>
  </div>

</div>
);
}

export default App;

```

รันคำสั่ง

```
npm start
```

Motor i...

(PDF) A...

IEEE Xp...

Facebook

Term Pr...

Term Pr...

LAB4-E...

LAB01...

ChatGPT

Translation Available

React With NodeJS

Create Movie

Title

Genre

Director

Release

Create

Movies Created

20

Get all Movies

Search Movie

Director

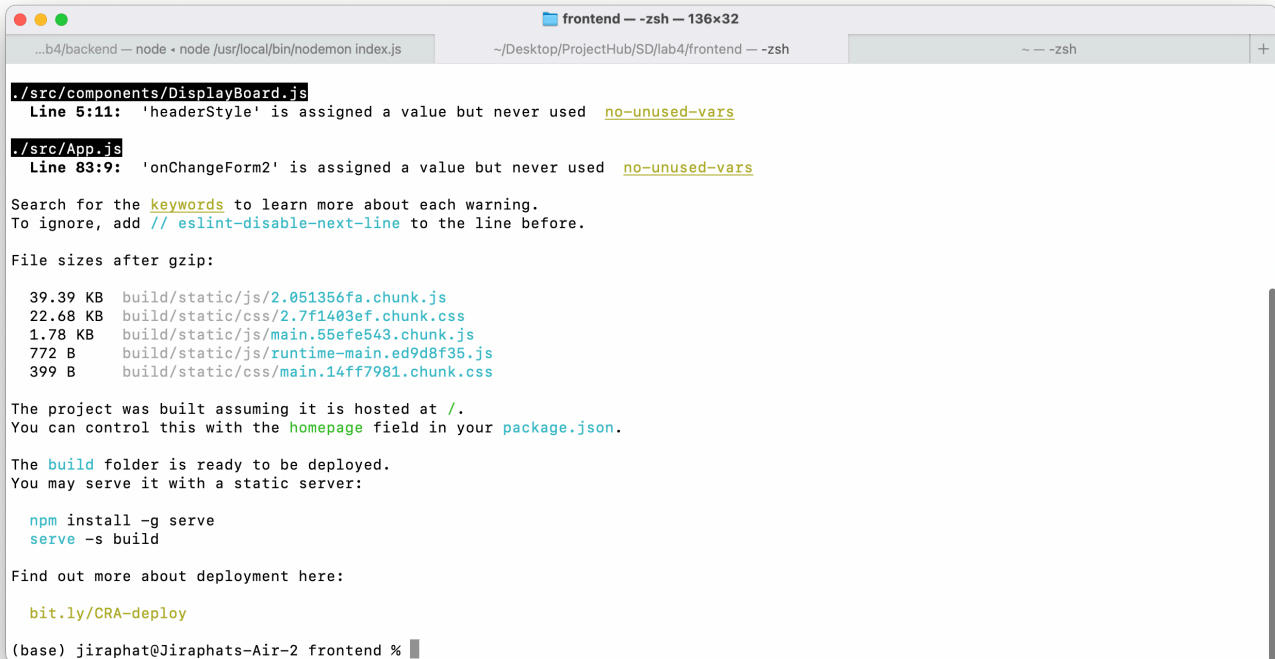
Search

Movies

Movie Id	Title	Genre	Director	Release
1	Avengers: Endgame	superhero	Anthony Russo, Joe Russo	2019
2	Fight Club	drama	David Fincher	1999
3	Forrest Gump	drama	Robert Zemeckis	1994

## รันคำสั่ง

```
npm run build
```



A terminal window titled 'frontend -- zsh -- 136x32' showing the output of the 'npm run build' command. The output includes ESLint warnings for unused variables, file sizes after gzip, and deployment instructions.

```
...b4/backend -- node - node /usr/local/bin/nodemon index.js  ~/Desktop/ProjectHub/SD/lab4/frontend -- zsh  ~ -- zsh  +

./src/components/DisplayBoard.js
Line 5:11: 'headerStyle' is assigned a value but never used  no-unused-vars

./src/App.js
Line 83:9: 'onChangeForm2' is assigned a value but never used  no-unused-vars

Search for the keywords to learn more about each warning.
To ignore, add // eslint-disable-next-line to the line before.

File sizes after gzip:

 39.39 KB  build/static/js/2.051356fa.chunk.js
22.68 KB  build/static/css/2.7f1403ef.chunk.css
 1.78 KB  build/static/js/main.55efe543.chunk.js
 772 B    build/static/js/runtime-main.ed9d8f35.js
 399 B    build/static/css/main.14ff7981.chunk.css

The project was built assuming it is hosted at /.
You can control this with the homepage field in your package.json.

The build folder is ready to be deployed.
You may serve it with a static server:

  npm install -g serve
  serve -s build

Find out more about deployment here:

  bit.ly/CRA-deploy

(base) jiraphat@Jiraphats-Air-2 frontend %
```