

LAB04 Reactjs (Front-end) - งานเพิ่ม Movies (งานเดียว)

1. ปรับ LAB01 ให้เป็นการเรียกใช้ API ที่ติดต่อกับ MySQL moviedb

React With NodeJS

Create User

First Name

First Name

Last Name

Last Name

Email

Email

Create

Users Created

4

Get all Users

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	first4	last4	abc@gmail.com

สร้าง 2 ไฟล์ นี้ใน ฝั่ง Front-end

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>
  )
}
```

</div>

services/MovieService.js

```
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 { 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() {
```

```

const [user, setUser] = useState({})
const [users, setUsers] = useState([])
const [numberOfUsers, setNumberOfUsers] = useState(0)

//-----

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(() => {

  getAllUsers()
  .then(users => {
    console.log(users)
    setUsers(users);
    setNumberOfUsers(users.length)
  });

  getAllMovies()
  .then(movies => {
    console.log(movies)
    setMovies(movies);
    //setNumberOfUsers(users.length)
  });

}, [])

const onChangeForm = (e) => {
  if (e.target.name === 'firstname') {
    user.firstName = e.target.value;
  } else if (e.target.name === 'lastname') {
    user.lastName = e.target.value;
  }
}

```

```

    } else if (e.target.name === 'email') {
      user.email = e.target.value;
    }
    setUser(user)
  }

  return (
    <div className="App">
      <Header></Header>
      <div className="container mrgnbtm">
        <div className="row">
          <div className="col-md-8">
            <CreateUser
              user={user}
              onChangeForm={onChangeForm}
              createUser={userCreate}
            >
            </CreateUser>
          </div>
          <div className="col-md-4">
            <DisplayBoard
              numberOfUsers={numberOfUsers}
              getAllUsers={fetchAllUsers}
            >
            </DisplayBoard>
          </div>
        </div>
        <div className="row mrgnbtm">
          <Users users={users}></Users>
        </div>
        <div className="row mrgnbtm">
          <Movies movies={movies}></Movies>
        </div>
      </div>
    </div>
  );
}

export default App;

```

***** งานทำเพิ่ม *****

MovieService.js

```
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 [];  
  }  
}  
  
//http://localhost:3001/api/movie/insert  
//---- ยังไม่เสร็จ ----  
export async function createMovie(data) {  
  const response = await fetch('http://localhost:3001/api/movie/insert', {  
    method: 'POST',  
    headers: {'Content-Type': 'application/json'},  
    body: JSON.stringify({user: data})  
  })  
  return await response.json();  
}
```

App.js

```
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 CreateMovie from './components/CreateMovie'  
import { getAllMovies, createMovie } from './services/MovieService'  
  
function App() {
```

```

const [user, setUser] = useState({})
const [users, setUsers] = useState([])
const [numberOfUsers, setNumberOfUsers] = useState(0)

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

const userCreate = (e) => {

  createUser(user)
  .then(response => {
    console.log(response);
    setNumberOfUsers(numberOfUsers+1)
  });
}

const movieCreate = (e) => {

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

/*
const fetchAllUsers = () => {
  getAllUsers()
  .then(users => {
    console.log(users)
    setUsers(users);
    setNumberOfUsers(users.length)
  });
}
*/

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

useEffect(() => {

```

```

/*
  getAllUsers()
  .then(users => {
    console.log(users)
    setUsers(users);
    setNumberOfUsers(users.length)
  });
*/

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

}, [])

/*
const onChangeForm = (e) => {
  if (e.target.name === 'firstname') {
    user.firstName = e.target.value;
  } else if (e.target.name === 'lastname') {
    user.lastName = e.target.value;
  } else if (e.target.name === 'email') {
    user.email = e.target.value;
  }
  setUser(user)
}
*/

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)
}

return (
  <div className="App">
    <Header></Header>
    <div className="container mrgnbtm">
      <div className="row">
        {/* <div className="col-md-8">

```



```

    <CreateUser
      user={user}
      onChangeForm={onChangeForm}
      createUser={userCreate}
    >
  </CreateUser>
</div> */}
<div className="col-md-8">
  <CreateMovie
    user={user}
    onChangeForm={onChangeForm}
    createMovie={movieCreate}
  >
  </CreateMovie>
</div>
<div className="col-md-4">
  <DisplayBoard
    numberOfMovies={numberOfMovies}
    getAllMovies={fetchAllMovies}
  >
  </DisplayBoard>
</div>
</div>      {/* <div className="row mrgnbtm">
  <Users users={users}></Users>
</div> */}
<div className="row mrgnbtm">
  <Movies movies={movies}></Movies>
</div>
</div>
);
}

export default App;

```

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>
    )
  }
}

```

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>  
)  
}
```