ENGSE203 LAB4

เปลี่ยน Port ของ Backend เป็น 4000

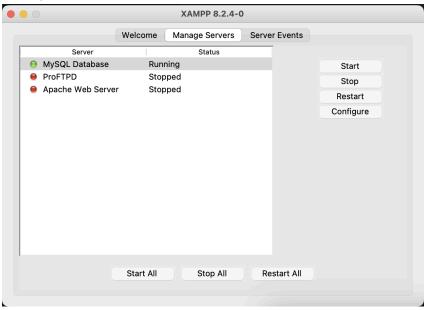
ทดสอบ รัน Port 4000

```
← → ♂ ② localhost:4000/api/users ☆

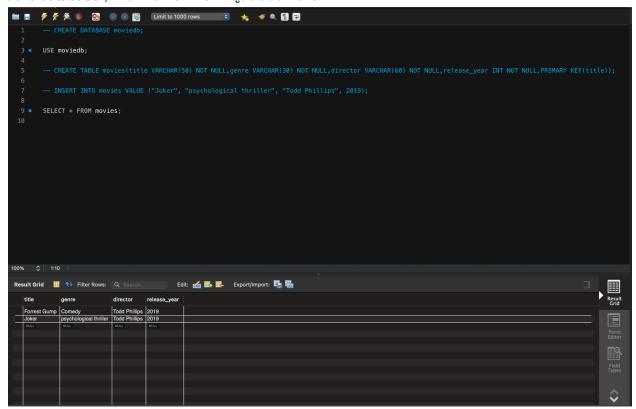
[{"firstName":"first1","lastName":"last1","email":"abc@gmail.com"},{"firstName":"first2","lastName":"last2","email":"abc@gmail.com"},

{"firstName":"first3","lastName":"last3","email":"abc@gmail.com"},{"firstName":"Surapat","lastName":"Supap","email":"abc@gmail.com"}]
```

เปิด MySQL ใน Xammp



สร้าง database , เพิ่มตาราและเพิ่มข้อมูลลงในตาราง



สร้าง index.js

```
Js index.js × Js server.js
                                us movie.js
                                                 us dbconfig.js
                                                                  package.json
」s index.js > [❷] init
   const hapi = require('@hapi/hapi');
      const env = require('./env.js');
     const Movies = require('./respository/movie');
       const express = require('express');
      const app = express();
       const path = require('path');
           bodyParser = require("body-parser");
       const api_port = 4000;
       const web_port = 4001;
       console.log('Running Environment: ' + env);
       const init = async () => {
          port: api_port,
           host: '0.0.0.0',
          routes: {
          cors: true
         await server.register(require('@hapi/inert'));
         server.route({
          method: "GET",
           path: "/", handler: () => {
           server.route({
            method: 'GET',
             path: '/api/movie/all',
             config: {
                 cors: {
                    origin: ['*'],
                     additionalHeaders: ['cache-control', 'x-requested-width']
```

```
});
server.route({
 method: 'POST',
  path: '/api/movie/insert',
  config: {
      payload: {
        multipart: true,
      cors: {
         origin: ['*'],
          additionalHeaders: ['cache-control', 'x-requested-width']
  handler: async function (request, reply) {
       release_year
      } = request.payload;
      //const title = request.payload.title;
//const genre = request.payload.genre;
        const responsedata = await Movies.MovieRepo.postMovie(title, genre, director,release_year);
          return responsedata.errMessage;
       server.log(["error", "home"], err);
        return err;
console.log('API Server running on %s', server.info.uri);
```

```
handler: async function (request, reply) {
          const responsedata = await Movies.MovieRepo.getMovieList();
          if (responsedata.error) {
             return responsedata.errMessage;
          server.log(["error", "home"], err);
server.route({
 method: 'GET',
  path: '/api/movie/search',
  config: {
         origin: ['*'],
          additionalHeaders: ['cache-control', 'x-requested-width']
  handler: async function (request, reply) {
     var param = request.query;
      const search_text = param.search_text;
        const responsedata = await Movies.MovieRepo.getMovieSearch(search_text);
            return responsedata.errMessage;
            return responsedata;
        server.log(["error", "home"], err);
        return err;
```

```
153
154
155 process.on('unhandledRejection', (err) => {
156
157 console.log(err);
158 process.exit(1);
159 });
160
161 init();
162
```

สร้าง env.js

```
is env.js \ ...

1    var env = process.env.NODE_ENV || 'development';

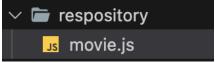
2    //var env = process.env.NODE_ENV || 'production';

3    module.exports = env;

4    |
```

สร้าง dbconfig.js

สร้างโฟลเดอร์ respository และสร้างไฟล์ movie.js



```
us movie.js X us index.js
                                                                                                                                                                                     Js env.js
                                                                                                                                                                                                                                                                                     Js dbconfig.js
                                                                                                                                                                                                                                                                                                                                                                                    package.json
  respository > Js movie.js > \bigcirc postMovie > \bigcirc <function>
                                                                          pastworks/s / postworks/s / postworks/s
                                       var mysql = require('mysql');
const env = require('../env.js');
                                       const config = require('../dbconfig.js')[env];
                                          async function getMovieList() {
                                                               var Query;
                                                             var pool = mysql.createPool(config);
                                                                                     Query = `SELECT * FROM movies`;
```

```
pool.query(Query, function (error, results, fields) {
           if (error) throw error;
            if (results.length > 0) {
               pool.end();
               return resolve(results);
               pool.end();
               return resolve({
                   statusCode: 404,
                   returnCode: 11,
                   message: 'No movie found',
async function getMovieSearch(search_text) {
   var Query;
   var pool = mysql.createPool(config);
    return new Promise((resolve, reject) => {
       Query = `SELECT * FROM movies WHERE title LIKE '%${search_text}%'`;
        pool.query(Query, function (error, results, fields) {
           if (error) throw error;
            if (results.length > 0) {
               pool.end();
               return resolve({
                   statusCode: 200,
                   returnCode: 1,
                   data: results,
               pool.end();
               return resolve({
                   statusCode: 404,
                   returnCode: 11,
                   message: 'No movie found',
```

```
async function postMovie(p_title,p_genre,p_director,p_release_year) {
   var Query;
   var pool = mysql.createPool(config);
   return new Promise((resolve, reject) => {
       var post = {
           title: p_title,
           genre: p_genre,
           director: p_director,
           release_year: p_release_year
       console.log('post is: ', post);
       Query = 'INSERT INTO movies SET ?';
       pool.query(Query, post, function (error, results, fields) {
           console.log('error_code_msg: ',error.code+':'+error.sqlMessage);
               pool.end();
               return resolve({
                   statusCode:405,
                   return:9.
                   messsage: error.code+':'+error.sqlMessage
               console.log('resukts: ',results);
               if (results.affectedRows > 0) {
               pool.end();
               return resolve({
                   statusCode: 200,
                   returnCode: 1,
                   messsage: 'Movie list was inserted',
module.exports.MovieRepo = {
   getMovieList: getMovieList,
   getMovieSearch: getMovieSearch,
   postMovie: postMovie,
```

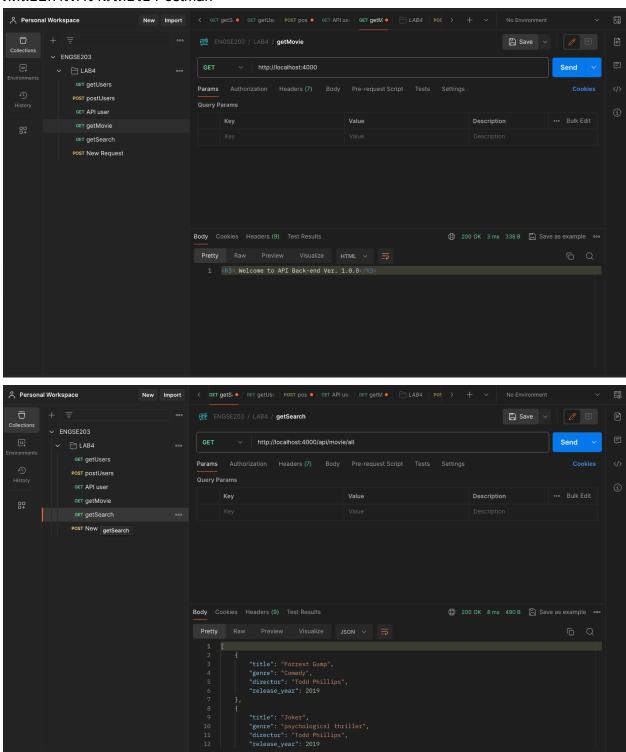
```
Query = 'INSERT INTO movies SET ?';
              pool.query(Query, post, function (error, results, fields) {
                  console.log('error_code_msg: ',error.code+':'+error.sqlMessage);
                  if (error) {
                      pool.end();
                      return resolve({
                          statusCode: 405,
                          return:9,
                          messsage: error.code+':'+error.sqlMessage
                      });
                  else{
                      console.log('resukts: ',results);
                      if (results.affectedRows > 0) {
                      pool.end();
                      return resolve({
                          statusCode: 200,
                          returnCode: 1,
                          messsage: 'Movie list was inserted',
                      });
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```

แก้ไข การทำงาน ในบรรทัด 132 ถึง 142 Before

After

```
Query = 'INSERT INTO movies SET ?';
pool.query(Query, post, function (error, results, fields) {
//pool.query(Query, function (error, results, fields) {
    console.log('error_code_msg: ',error.code+':'+error.sqlMessage);
   if (error) {
       pool.end();
        return resolve({
            statusCode: 405,
            return:9,
            messsage: error.code+':'+error.sqlMessage
       });
   else{
        console.log('resukts: ',results);
        if (results.affectedRows > 0) {
        pool.end();
        return resolve({
            statusCode: 200,
            returnCode: 1,
           messsage: 'Movie list was inserted',
        });
```

ทดสอบการทำงานโดยใช้ Postman



```
API Server running on http://0.0.0.0:4000
post is: {
  title: 'Forrest Gump',
  genre: 'Comedy',
  director: 'Todd Phillips',
  release_year: 2019
```

กรณีข้อมูลซำ้กัน

```
error_code_msg: ER_DUP_ENTRY:Duplicate entry 'Forrest Gump' for key 'PRIMARY'
post is: {
  title: 'Forrest Gump',
   genre: 'Comedy',
   director: 'Todd Phillips',
   release_year: 2019
}
error_code_msg: ER_DUP_ENTRY:Duplicate entry 'Forrest Gump' for key 'PRIMARY'
```