LAB 4

```
You, 3 hours ago | 2 authors (bbachi and others)

{

    "name": "react—nodejs—example",
    "version": "1.0.0",

    "description": "example project react with nodejs",

    "main": "server.js",
    Debug

    "scripts": {

    "start": "node server.bundle.js",
    "build": "webpack",

    "dev": "nodemon ./index.js localhost 4000"

    You, 3 hours ago • Uncommitted changes

},
```

```
Js server.js > ...
    You, 3 hours ago | 2 authors (bbachi and others)

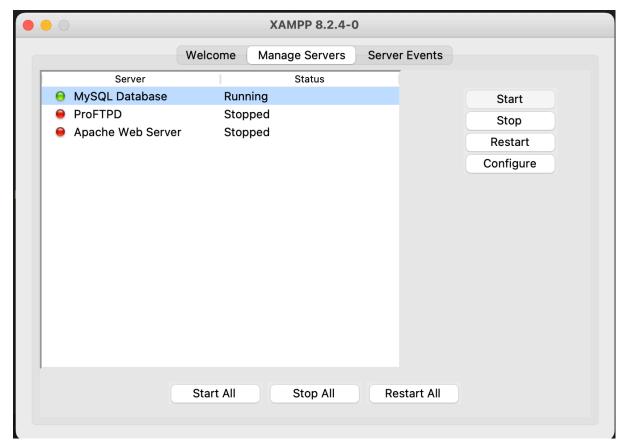
1    const express = require('express');
2    const path = require('path');
3    const app = express(),
4    |    bodyParser = require("body-parser"); 483.9k (gzipped: 211.2k)
5    |    port = 4000;
6
```

เปลี่ยน Port ของ backend เป็น 4000 หน้า package.json , server.js

```
← → ♂ ⊙ localhost:4000/api/users

[{"firstName":"first1"."lastName":"last1"."email":"abc@omail.com"},{"firstName":"last2"."email":"abc@omail.com"},{"firstName":"first3"."lastName":"last3"."email":"abc@omail.com"}]
```

http://localhost:4000/api/users ทดสอบ ลองรันดู



เปิด MySQL ใน Xammp



สร้าง database , เพิ่มตาราและเพิ่มข้อมูลลงในตาราง



SELECT * FROM movies;

แสดงข้อมูล

```
EXPLORER
                                                                                                                                            ··· Js index.js ×
                                                                                                   The Photo Pindex, is > Polinit > Polinit | Po
∨ API
      > node_modules
      us movie.js
                  Js dbconfig.js
                                                                                                                                                                                           5   const express = require('express');
6   const app = express();
                us env.js
                     f gulpfile.js
                                                                                                                                                                                                              s index.js
                   package-lock.ison

  package.json

                                                                                                                                                                                                                const api_port = 4000;
const web_port = 4001;

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                   Js server.bundle.js
                   us server.js
                   webpack.config.js
                                                                                                                                                                                                                console.log('Running Environment: ' + env);
```

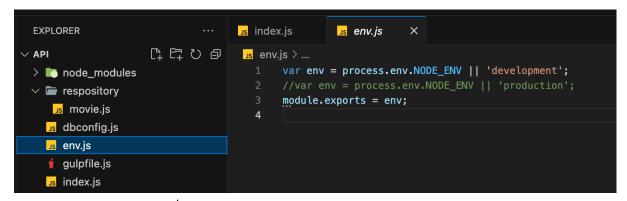
สร้างหน้า index.js มาใน backend และใส่โค้ด

```
const hapi = require('@hapi/hapi');
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 () => {
   await server.register(require('@hapi/inert'));
```

```
method: "GET",
          const responsedata = await Movies.MovieRepo.getMovieList();
         server.log(["error", "home"], err);
  config: {
  handler: async function (request, reply) {
     var param = request.query;
```

```
const search_text = param.search_text;
Movies.MovieRepo.getMovieSearch(search text);
  server.route({
        payload: {
            multipart: true,
    handler: async function (request, reply) {
           const responsedata = await Movies.MovieRepo.postMovie(title, genre,
director,release_year);
```

โค้ดหน้า index.js



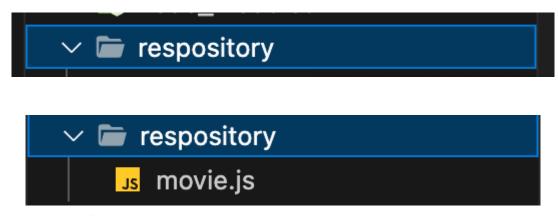
สร้างหน้า env.js เพื่อเก็บ config ว่าทำงานอยู่ในสภาพแวดล้อมใด

```
EXPLORER
                                    Js index.js
                                                     Js dbconfig.js ×
                     ∨ API
                                     Js dbconfig.js > ...
                                           var dbconfig = {
  > node_modules
                                                development: {
 //connectionLimit : 10,
     Js movie.js
                                                            : 'localhost',
                                                   host
    Js dbconfig.js
                                                            : '3306',
                                                   port
                                                   user : 'root',
password : '',
    Js env.js
    f gulpfile.js
                                                   database : 'moviedb'
    Js index.js
    package-lock.json
                                                production: {
    package.json
                                                   //connectionLimit : 10,
                                                           : 'localhost',

    README.md

                                                   host
                                                            : '3306',
                                                   port
    server.bundle.js
                                                   user : 'root',
    Js server.js
                                                   password : '',
    webpack.config.js
                                                   database : 'moviedb'
                                                };
                                           module.exports = dbconfig;
                                      20
```

สร้างหน้า dbconfig.js



สร้างโฟลเดอร์ respository และสร้างไฟล์ movie.js ด้วย

```
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);
```

```
return new Promise((resolve, reject) =>
warehouse name USING tis620 ) ASC `;
async function getMovieList() {
var pool = mysql.createPool(config);
  pool.query(Query, function (error, results, fields) {
```

```
return resolve(results);
        statusCode: 404,
async function getMovieSearch(search_text) {
 var pool = mysql.createPool(config);
  pool.query(Query, function (error, results, fields) {
        statusCode: 404,
        message: "No movie found",
async function postMovie(p_title, p_genre, p_director, p_release_year) {
 var pool = mysql.createPool(config);
```

```
genre: p_genre,
    release_year: p_release_year,
  pool.query(Query, post, function (error, results, fields) {
    console.log("error msg: ", error.code + ":" + error.sqlMessage);
      return resolve({
        messsage: error.code + ": " + error.sqlMessage,
module.exports.MovieRepo = {
getMovieList: getMovieList,
getMovieSearch: getMovieSearch,
```

```
postMovie: postMovie,
};
```

ในบรรทัดที่ 132 ถึง 141 แก้โค้ดใหม่ดังนี้

```
if (error) throw error;

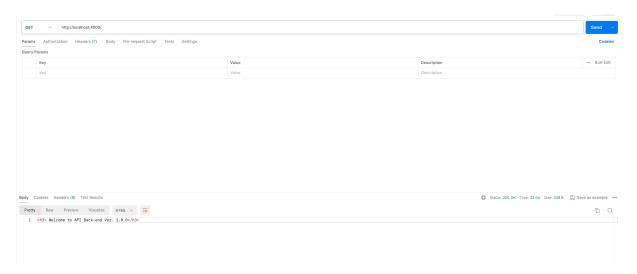
if (results.length > 0) {
    pool.end();
    return resolve({
        statusCode: 200,
        returnCode: 1,
        messsage: 'Movie list was inserted',
    });
};
});
}
```

โค้ดเดิม

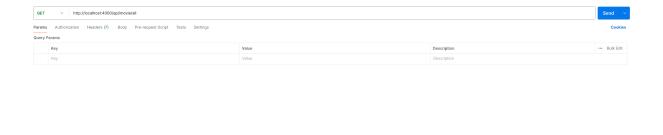
```
console.log("error_msg: ", error.code + ":" + error.sqlMessage);
if (error) {
  pool.end();
  return resolve({
    statusCode: 300,
    returnCode: 6,
    messsage: error.code + ": " + error.sqlMessage,
  });
} else {
  console.log("result: ", results);
  if (results.affectedRows > 0) {
    pool.end();
    return resolve({
       statusCode: 200,
       returnCode: 1,
       messsage: "Movie list was inserted",
    });
  }
}
```

โค้ดใหม่

ทดสอบการทำงานใน Postman

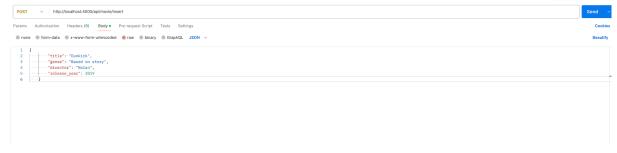


http://localhost:4000/





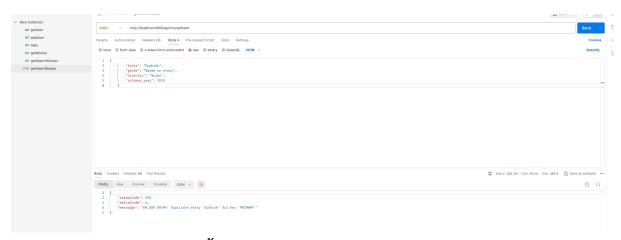
http://localhost:4000/api/movie/all



http://localhost:4000/api/movie/insert

```
API Server running on http://0.0.0.0:4000

post is: {
   title: 'Dunkirk',
   genre: 'Based on story',
   director: 'Nolan',
   release_year: 2019
}
```



กรณี insert ข้อมูลซ้ำ http://localhost:4000/api/movie/insert

```
> react-nodejs-example@1.0.0 dev
> nodemon ./index.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 ./index.js localhost 4000`
Running Environment: development
API Server running on http://0.0.0.0:4000
post is: {
   title: 'Dunkirk',
    genre: 'Based on story',
   director: 'Nolan',
   release_year: 2019
}
error_msg: ER_DUP_ENTRY:Duplicate entry 'Dunkirk' for key 'PRIMARY'
```

กรณี insert ข้อมูลซ้ำ http://localhost:4000/api/movie/insert

rrest Gump Cornedy Todd Phillips 2019 ker psychological thriller Todd Phillips 2019	title	genre	director	release_year
ker psychological thriller Todd Phillips 2019	Dunkirk	Rased on story	Nolan	2019
ker psychological thriller Todd Phillips 2019		Comedy	Todd Phillips	2019
	Joker	psychological thriller	Todd Phillips	2019
	HULL	THE REAL PROPERTY.	TOTAL STREET	DOM:
mine 2	movies 3			