# Midterm ENGSE203

## Source code ฝั่ง Front-End ทั้งหมด

Source code (App.js)

```javascript
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 { getAllMovies, createMovie} from './services/MovieService'
import Searchmovie from './components/SearchMovie';

function App() {

  const [movie, setMovie] = useState({})
  const [movies, setMovies] = useState([])
  const [numberOfMovies, setNumberOfMovies] = useState(0)
  const [searchResults, setSearchResults] = useState([]);

  const movieCreate = () => {

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


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

```jsx
    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(movies)
}


    return (
  <div className="App">
    <Header></Header>
      <div className="container mrgnbtm">
        <div className="row">

          <div className="col-md-8">
              <Createmovie
                Movies={Movies}
                onChangeForm={onChangeForm}
                createMovie={movieCreate}
```

```
    return (
  <div className="App">
    <Header></Header>
      <div className="container mrgnbtm">
        <div className="row">

          <div className="col-md-8">
              <Createmovie
                Movies={Movies}
                onChangeForm={onChangeForm}
                createMovie={movieCreate}
                >
              </Createmovie>
          </div>
          <div className="col-md-4">
              <DisplayBoard
                numberOfMovies={numberOfMovies}
                getAllMovies={fetchAllMovies}
                >
              </DisplayBoard>
          </div>
          <div className="col-md-4">
              <Searchmovie
                setMovies={setMovies}
                setNumberOfMovies={setNumberOfMovies}
                setSearchResults={setSearchResults}
                />
          </div>
        </div>
      <div className="row mrgnbtm">
        <Movies movies={searchResults.length > 0 ? searchResults : movies}></Movies>
      </div>
    </div>
  </div>
);
}
```

```
export default App;
```

## Source code (CreateMovie.js)

```jsx
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-12">
                                <label htmlFor="title">Title</label>
                                <input type="text" onChange={(e) => onChangeForm(e)} className="form-control" name="title" id="title" aria-describedby="Movie Title" placeholder="Movie Title" />
                            </div>
                            <div className="form-group col-md-12">
                                <label htmlFor="genre">Genre</label>
                                <input type="text" onChange={(e) => onChangeForm(e)} className="form-control" name="genre" id="genre"  placeholder="Movie Genre" />
                            </div>
                        </div>
                        <div className="row">
                            <div className="form-group col-md-6">
                                <label htmlFor="director">Director</label>
                                <input type="text" onChange={(e) => onChangeForm(e)} className="form-control" name="director" id="director "  placeholder="Movie Director" />
                            </div>
                            <div className="form-group col-md-6">
                                <label htmlFor="release_year">Release Year</label>
                                <input type="text" onChange={(e) => onChangeForm(e)} className="form-control" name="release_year" id="release_year"  placeholder="Release Year" />
                            </div>
                        </div>
                        <button type="button" onClick={(e) => createMovie()} className="btn btn-danger">Create</button>

                    </form>
                </div>
            </div>
        </div>
    );
};

export default CreateMovie;
```

## Source code (DisplayBoard.js)as

```jsx
import React from 'react'

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

    return(
        <div style={{backgroundColor:'lime', borderRadius:'47px',}} className="display-board">
            <h4 style={{color: 'white', textAlign: 'center'}}>Movies Created</h4>
            <div className="number">
            {numberOfMovies}
            </div>
            <div className="btn" style={{display:'block'}} >
            <button  type="button" onClick={(e) => getAllMovies()} className="btn btn-warning">Get all Movies</button>
            </div>
        </div>
    )
}
```

Files panel:
- node_modules
- public
- src
  - components
    - AppError.js
    - CreateMovie.js
    - DisplayBoard.js
    - Header.js
    - Movies.js
    - SearchMovie.js
    - Users.js
  - services
    - MovieService.js
    - UserService.js
  - App copy.js

## Source code (Header.js)

```js
src > components > Header.js > [e] Header > [e] headerStyle
1    import React from 'react'
2
3    export const Header = () => {
4
5        const headerStyle = {
6
7            width: '100%',
8            padding: '2%',
9            backgroundColor: "lime",
10           color: 'white',
11           textAlign: 'center'
12
13       }
14
15       return(
16           <div style={headerStyle}>
17               <h1>Movies List</h1>
18           </div>
19       )
20   }
```

## Source code (SearchMoive.js)

```js
src > components > SearchMovie.js > [e] SearchMovie > [e] handleSearch
1    import React, { useState } from 'react';
2    import { searchMovie } from '../services/MovieService';
3
4    const SearchMovie = ({ setMovies, setNumberOfMovies }) => {
5      const [searchText, setSearchText] = useState('');
6      const [errorMessage, setErrorMessage] = useState('');
7
8      const handleSearch = async () => {
9        // Check if the search text is empty
10       if (!searchText.trim()) {
11         setErrorMessage('Please enter a movie title for search.');
12         return;
13       }
14
15       try {
16         const response = await searchMovie(searchText);
17         if (response.statusCode === 200) {
18           setMovies(response.data);
19           setNumberOfMovies(response.data.length);
20           setErrorMessage('');
21         } else {
22           setMovies([]);
23           setNumberOfMovies(0);
24           setErrorMessage(response.message || 'No movie found');
25         }
26       } catch (error) {
27         console.error('Error searching movie:', error);
28         setMovies([]);
29         setNumberOfMovies(0);
30         setErrorMessage('Error searching movie');
31       }
32     };
33
34     return (
35       <div>
36         <h2>Movie Search</h2>
37         <div >
38           <input
39             type="text"
40             value={searchText}
41             onChange={(e) => setSearchText(e.target.value)}
42             placeholder="Enter movie title"
43           />
44           <button type="button" className="btn btn-warning" onClick={handleSearch}>Search</button>
45         </div>
46         {errorMessage && <p style={{ color: 'red' }}>{errorMessage}</p>}
47       </div>
48     );
```

# Source code (MovieService.js)

```
src > services > MovieService.js > createMovie > response
1   export async function getAllMovies() {
2
3       try{
4           //const response = await fetch('/api/users');
5           const response = await fetch('http://localhost:4000/api/movie/all');
6           //const response = await fetch('/api/movie/all');
7           return await response.json();
8       }catch(error) {
9           return [];
10      }
11
12  }
13  //http://localhost:3001/api/movie/insert
14  //---- ยังไม่เสร็จ ----
15  export async function createMovie(data) {
16      const response = await fetch(`http://localhost:4000/api/movie/insert`, {
17          method: 'POST',
18          headers: {'Content-Type': 'application/json'},
19          body: JSON.stringify({...data})
20      })
21      return await response.json();
22  }
23
24  export async function searchMovie(search_text) {
25      try{
26          const response = await fetch(`http://localhost:4000/api/movie/search?search_text=${encodeURIComponent(search_text)}`);
27          return await response.json();
28      }catch(error) {
29          return [];
30      }
31  }
32
```

แก้ไขข้อมูลตรง name และ Id

```html
" name="title" id="title" aria-describedby="Movie Title" placeholder="Movie Title" />

" name="genre" id="genre" placeholder="Movie Genre" />

" name="director" id="director " placeholder="Movie Director" />

" name="release_year" id="release_year" placeholder="Release Year" />
```
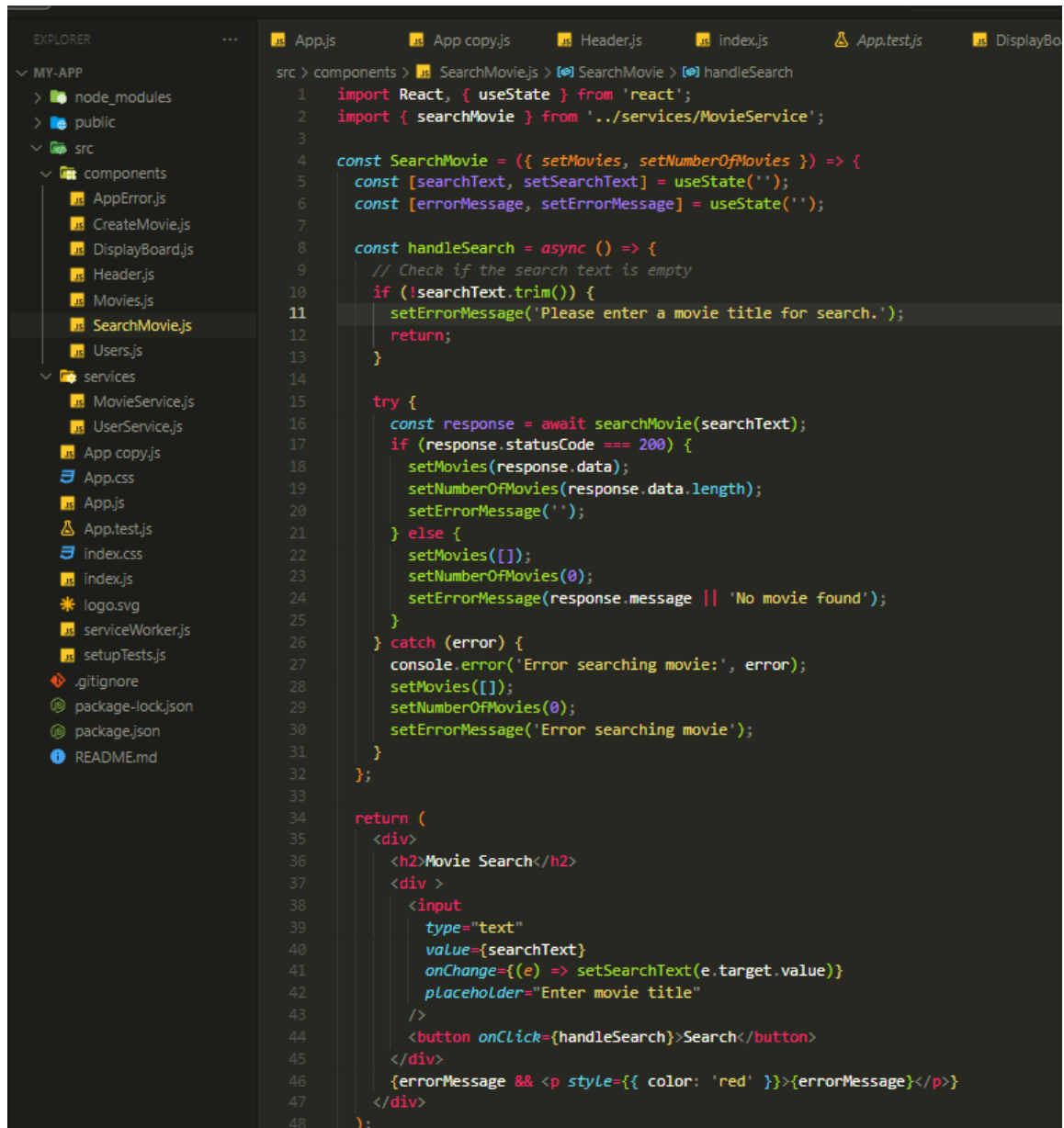
แก้ไขตัวแปรให้ตรงตามที่เขียนไว้ใน CreateMovie.js ใน App.js

```javascript
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(movies)
}
```

สร้างไฟล์ใหม่ที่ชื่อว่า Search movie.js และเขียนโค๊ดสำหรับ ฟังก์ชั่นให้ระบบ ค้นหา สามารถ ทำงานได้

```js
import React, { useState } from 'react';
import { searchMovie } from '../services/MovieService';

const SearchMovie = ({ setMovies, setNumberOfMovies }) => {
  const [searchText, setSearchText] = useState('');
  const [errorMessage, setErrorMessage] = useState('');

  const handleSearch = async () => {
    // Check if the search text is empty
    if (!searchText.trim()) {
      setErrorMessage('Please enter a movie title for search.');
      return;
    }

    try {
      const response = await searchMovie(searchText);
      if (response.statusCode === 200) {
        setMovies(response.data);
        setNumberOfMovies(response.data.length);
        setErrorMessage('');
      } else {
        setMovies([]);
        setNumberOfMovies(0);
        setErrorMessage(response.message || 'No movie found');
      }
    } catch (error) {
      console.error('Error searching movie:', error);
      setMovies([]);
      setNumberOfMovies(0);
      setErrorMessage('Error searching movie');
    }
  };

  return (
    <div>
      <h2>Movie Search</h2>
      <div >
        <input
          type="text"
          value={searchText}
          onChange={(e) => setSearchText(e.target.value)}
          placeholder="Enter movie title"
        />
        <button onClick={handleSearch}>Search</button>
      </div>
      {errorMessage && <p style={{ color: 'red' }}>{errorMessage}</p>}
    </div>
  );
};

export default SearchMovie;
```

เพิ่งช่องทางสำหรับ API ของช่องค้นหา
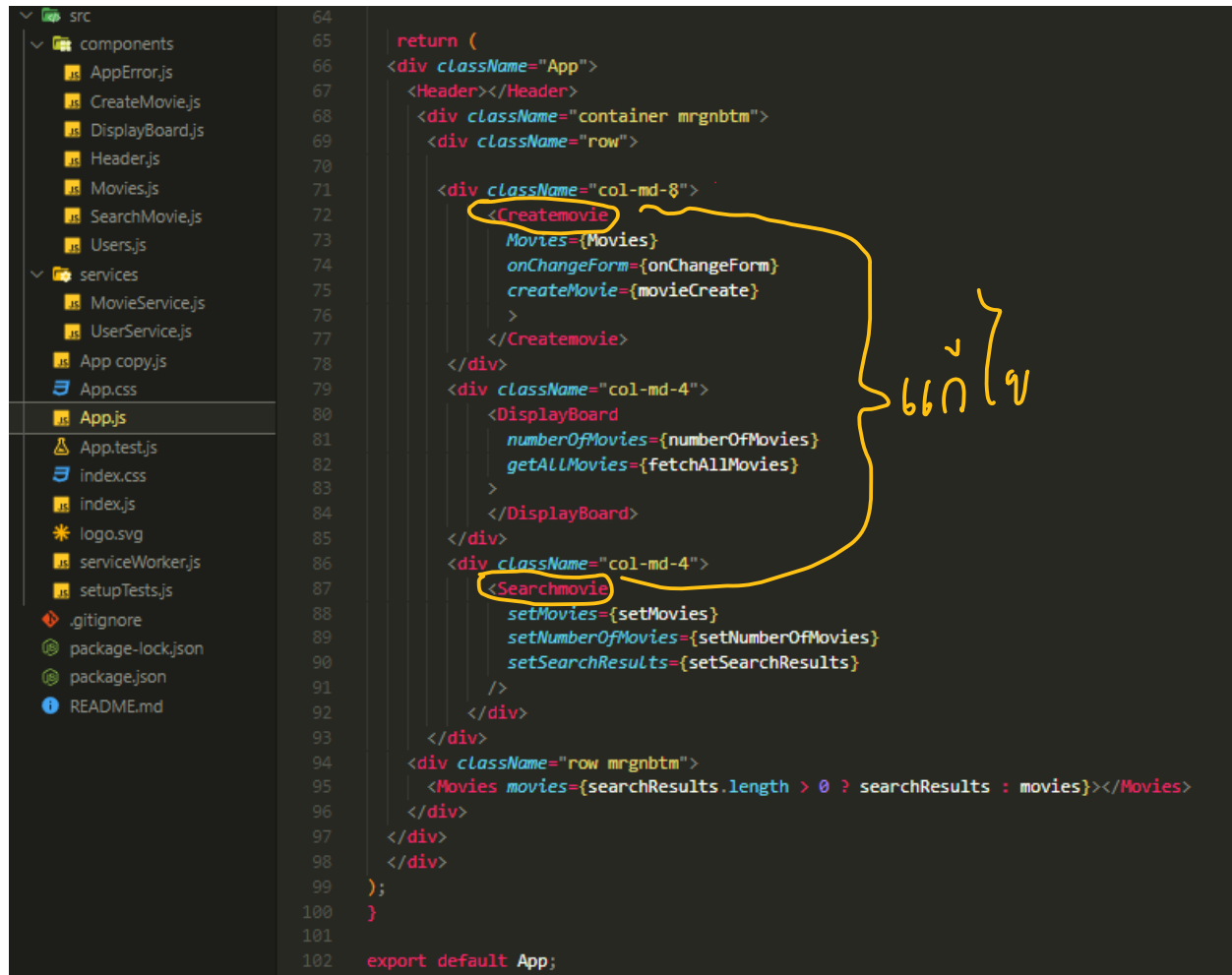
```
24    export async function searchMovie(search_text) {
25      try{
26        const response = await fetch(`http://localhost:4000/api/movie/search?search_text=${encodeURIComponent(search_text)}`);
27        return await response.json();
28    }catch(error) {
29        return [];
30    }
31    }
32
```

Import Searchmovie จาก ไฟล์ Searchmovie ที่สร้างขึ้นในโฟล์เดอร์ components

และเขียน searcgResults,setSearchResults เพิ่มขึ้นมา

```
import Searchmovie from './components/SearchMovie';

function App() {

  const [movie, setMovie] = useState({})
  const [movies, setMovies] = useState([])
  const [numberOfMovies, setNumberOfMovies] = useState(0)
  const [searchResults, setSearchResults] = useState([]);
```

เปลี่ยนให้ตรงกับที่ import เข้ามา อยู่ 2 ที่คือ Createmovie และ Searchmovie

```
64
65        return (
66      <div className="App">
67        <Header></Header>
68          <div className="container mrgnbtm">
69            <div className="row">
70
71            <div className="col-md-8">
72                <Createmovie
73                    Movies={Movies}
74                    onChangeForm={onChangeForm}
75                    createMovie={movieCreate}
76                    >
77                </Createmovie>
78            </div>
79            <div className="col-md-4">
80                <DisplayBoard
81                    numberOfMovies={numberOfMovies}
82                    getAllMovies={fetchAllMovies}
83                    >
84                </DisplayBoard>
85            </div>
86            <div className="col-md-4">
87                <Searchmovie
88                    setMovies={setMovies}
89                    setNumberOfMovies={setNumberOfMovies}
90                    setSearchResults={setSearchResults}
91                    />
92            </div>
93            </div>
94            <div className="row mrgnbtm">
95                <Movies movies={searchResults.length > 0 ? searchResults : movies}></Movies>
96            </div>
97        </div>
98        </div>
99    );
100    }
101
102    export default App;
```
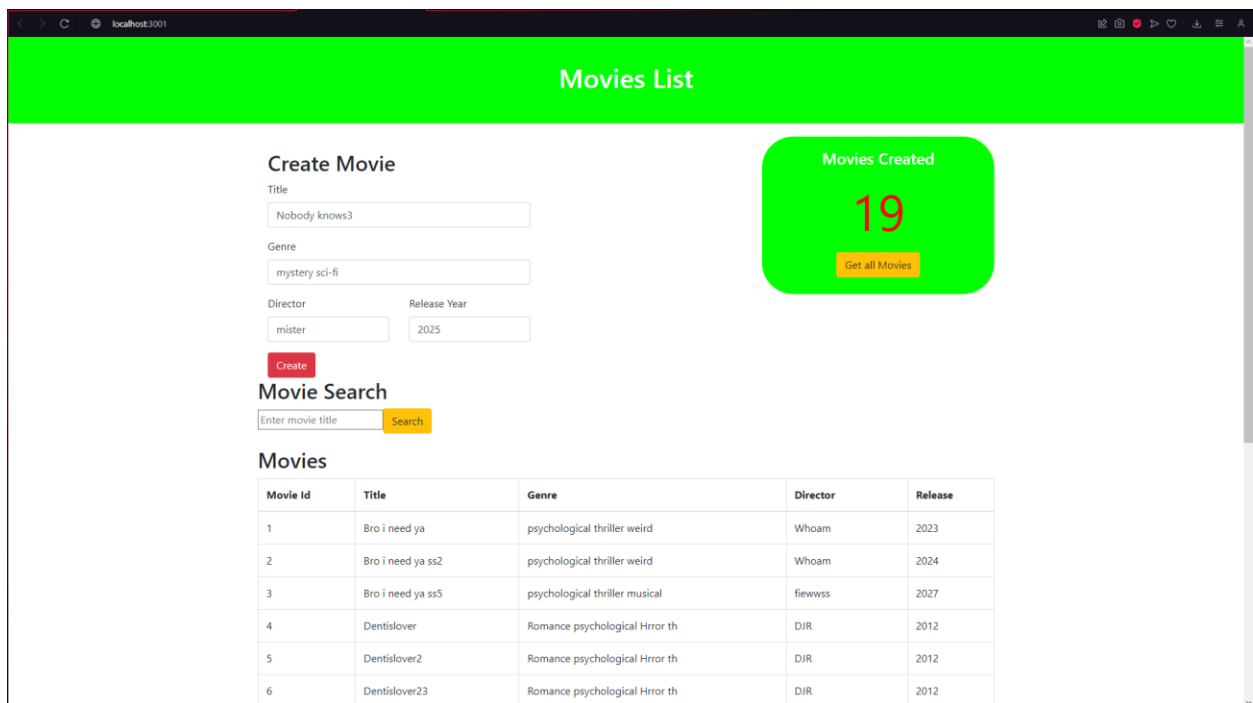
แก้ไข

แก้ไข Style ในหน้า Dashboard นิดหน่อย



```
1   import React from 'react'
2
3   export const DisplayBoard = ({numberOfMovies, getAllMovies}) => {
4
5       return(
6           <div style={{backgroundColor:'wheat', borderRadius:'47px',}} className="display-board">
7               <h4 style={{color: 'black', textAlign: 'center'}}>Movies Created</h4>
8               <div className="number">
9               {numberOfMovies}
10              </div>
11              <div className="btn" style={{display:'block'}} >
12              <button type="button" onClick={(e) => getAllMovies()} className="btn btn-warning">Get all Movies</button>
13              </div>
14          </div>
15      )
16  }
17
```

ทดสอบ Website

ทดสอบการ Insert ข้อมูลเข้าตาราง

```
API Server running on http://0.0.0.0:4000
post is: {
  title: 'Nobody knows',
  genre: 'mystery sci-fi',
  director: 'mister',
  release_year: '2025'
}
result  OkPacket {
  fieldCount: 0,
  affectedRows: 1,
  insertId: 0,
  serverStatus: 2,
  warningCount: 0,
  message: '',
  protocol41: true,
  changedRows: 0
}
post is: {
  title: 'Nobody knows2',
  genre: 'mystery sci-fi',
  director: 'mister',
  release_year: '2025'
}
result  OkPacket {
  fieldCount: 0,
  affectedRows: 1,
  insertId: 0,
  serverStatus: 2,
  warningCount: 0,
  message: '',
  protocol41: true,
  changedRows: 0
}
post is: {
  title: 'Nobody knows3',
  genre: 'mystery sci-fi',
  director: 'mister',
  release_year: '2025'
}
result  OkPacket {
  fieldCount: 0,
  affectedRows: 1,
  insertId: 0,
  serverStatus: 2,
  warningCount: 0,
  message: '',
  protocol41: true,
  changedRows: 0
}
```

# ทดสอบ Get all movies

**Movies Created**

**19**

Get all Movies

```
2 movies length::: 19
  ▶ (19) [{…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}]
  movies length::: 19
  movies length::: 19
>
```

| Movie Id | Title | Genre | Director | Release |
|----------|-------|-------|----------|---------|
| 1 | Bro i need ya | psychological thriller weird | Whoam | 2023 |
| 2 | Bro i need ya ss2 | psychological thriller weird | Whoam | 2024 |
| 3 | Bro i need ya ss5 | psychological thriller musical | fiewwss | 2027 |
| 4 | Dentislover | Romance psychological Hrror th | DJR | 2012 |
| 5 | Dentislover2 | Romance psychological Hrror th | DJR | 2012 |
| 6 | Dentislover23 | Romance psychological Hrror th | DJR | 2012 |
| 7 | help me in garden | Romance psychological Horror | fieww | 2007 |
| 8 | I need you | Romance | woandme | 2003 |
| 9 | I need you2 | Romance | woandme | 2003 |
| 10 | Joker | psychological thriller | Todd Phillips | 2019 |
| 11 | Nobody knows | mystery sci-fi | mister | 2025 |
| 12 | Nobody knows2 | mystery sci-fi | mister | 2025 |
| 13 | Nobody knows3 | mystery sci-fi | mister | 2025 |
| 14 | test | Sci-fi | gee | 2001 |
| 15 | test2 | Sci-fi | gee | 2002 |
| 16 | test3 | Sci-fi | gee | 2003 |
| 17 | Uwaa | psychological thriller musical | mies | 2024 |
| 18 | Uwaa ss2 | psychological thriller musical | meis | 2025 |
| 19 | woahhh | weird | miess | 2005 |

# ทดสอบ ระบบ Search

## Create Movie

Title

Nobody knows3

Genre

mystery sci-fi

Director | Release Year
mister | 2025

Create

## Movie Search

Bro | Search

## Movies

| Movie Id | Title | Genre | Director | Release |
|----------|-------|-------|----------|---------|
| 1 | Bro i need ya | psychological thriller weird | Whoam | 2023 |
| 2 | Bro i need ya ss2 | psychological thriller weird | Whoam | 2024 |
| 3 | Bro i need ya ss5 | psychological thriller musical | fiewwss | 2027 |

### Movies Created

3

Get all Movies

# Movies List

## Create Movie

Title

Nobody knows3

Genre

mystery sci-fi

Director | Release Year
mister | 2025

Create

## Movie Search

Nobody | Search

## Movies

| Movie Id | Title | Genre | Director | Release |
|----------|-------|-------|----------|---------|
| 1 | Nobody knows | mystery sci-fi | mister | 2025 |
| 2 | Nobody knows2 | mystery sci-fi | mister | 2025 |
| 3 | Nobody knows3 | mystery sci-fi | mister | 2025 |

### Movies Created

3

Get all Movies

## Create Movie

Title

Nobody knows3

Genre

mystery sci-fi

Director

mister

Release Year

2025

Create

## Movie Search

test    Search

## Movies

| Movie Id | Title | Genre | Director | Release |
| --- | --- | --- | --- | --- |
| 1 | test | Sci-fi | gee | 2001 |
| 2 | test2 | Sci-fi | gee | 2002 |
| 3 | test3 | Sci-fi | gee | 2003 |

## Movies Created

3

Get all Movies