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Tugas : Assignment 3

Link GitHub: <https://github.com/nelsonantonio14450/OCBC-H8/tree/main/assignment3/MoviesApi>

Cara penggunaan:

- Buka aplikasinya dan terminal pada direktori yang sama
- Ketik "dotnet run"
- Buka browser dengan url "<https://localhost:5001/swagger/index.html>"
- Dan test masing-masing API yang ada

List Api:

Movies	
GET	/api/Movies
POST	/api/Movies
GET	/api/Movies/{id}
PUT	/api/Movies/{id}
DELETE	/api/Movies/{id}
GET	/api/Movies/GetAct/{act}
GET	/api/Movies/GetDate/{date1}, {date2}
GET	/api/Movies/MoreDate/{date1}
GET	/api/Movies/LessDate/{date1}
GET	/api/Movies/GetPrice/{price1}, {price2}

Schema DB:

Schemas	
MovieData ▾ {	
id	integer(\$int32)
name	string nullable: true
genre	string nullable: true
duration	string nullable: true
releaseDate	string(\$date-time)
price	integer(\$int32)
act	boolean
}	

Hasil Test:

- Get All Movies

The screenshot shows a REST client interface with the following sections:

- Method and URL:** GET /api/Movies
- Parameters:** No parameters. A "Cancel" button is visible.
- Buttons:** "Execute" and "Clear" buttons.
- Responses:** A section for viewing responses.
- Curl:** `curl -X GET "https://localhost:5001/api/Movies" -H "accept: */*"`
- Request URL:** `https://localhost:5001/api/Movies`
- Server response:** A table with two columns: "Code" and "Details".
- Code:** 200
- Details:** Response body
- Response body:** A JSON array of two movie objects:

```
{
  "id": 1,
  "name": "Ze Russian",
  "genre": "Muson/Syrikik",
  "duration": "2h 0m",
  "releaseDate": "2021-10-15T12:53:50.774",
  "price": 30000,
  "act": true
},
{
  "id": 3,
  "name": "JoJo",
  "genre": "Animsu",
  "duration": "24h 26m",
  "releaseDate": "2021-11-15T12:57:02.706",
  "price": 9999
}
```

- Insert Movie

The screenshot shows a REST client interface with the following sections:

- Method and URL:** POST /api/Movies
- Parameters:** No parameters. A "Cancel" button is visible.
- Request body:** A dropdown menu is set to "application/json".
- Request body:** A JSON object:

```
{
  "id": 0,
  "name": "Kenzo",
  "genre": "Action",
  "duration": "6h 59m",
  "releaseDate": "2021-10-16T07:07:51.830Z",
  "price": 5000,
  "act": true
}
```
- Buttons:** "Execute" and "Clear" buttons.
- Responses:** A section for viewing responses.
- Curl:** `curl -X POST "https://localhost:5001/api/Movies" -H "accept: */*" -H "Content-Type: application/json" -d '{"id":0,"name":"Kenzo","genre":"Action","duration":"6h 59m","releaseDate":"2021-10-16T07:07:51.830Z","price":5000,"act":true}'`
- Request URL:** `https://localhost:5001/api/Movies`

Request URL
`https://localhost:5001/api/Movies`

Server response

Code	Details
201	<div>Response body</div> <pre>{ "id": 6, "name": "Kenzo", "genre": "Action", "duration": "1h 59m", "releaseDate": "2021-10-16T07:07:51.832Z", "price": 5000, "act": true }</pre> <div>Download</div>

Response headers

```
content-type: application/json; charset=utf-8
date: Sat 16 Oct 2021 07:08:23 GMT
location: https://localhost:5001/api/Movies?id=6
server: Kestrel
```

Responses

Code	Description	Links
200	Success	No links

- Get Movie By Id

GET /api/Movies/{id}

Parameters

Cancel

Name	Description
id * required integer(\$int32) (path)	<input type="text" value="6"/>

Execute Clear

Responses

Curl

```
curl -X GET "https://localhost:5001/api/Movies/6" -H "accept: */*"
```

Request URL

```
https://localhost:5001/api/Movies/6
```

Server response

Code	Details
200	<div>Response body</div> <pre>{ "id": 6, "name": "Kenzo", "genre": "Action", "duration": "1h 59m", "releaseDate": "2021-10-16T07:07:51.832Z", "price": 5000, "act": true }</pre> <div>Download</div>

- Update Movie By Id

PUT

/api/Movies/{id}

Parameters

Cancel

Name	Description
id * required Integer(\$int32) (path)	6

Request body

application/json

```

{
  "id": 6,
  "name": "Kazu",
  "genre": "Fantasy",
  "duration": "2h 9m",
  "releaseDate": "2021-10-16T07:10:20.037Z",
  "price": 9999,
  "act": true
}

```

Execute

Clear

Responses

Responses

Curl

```
curl -X PUT "https://localhost:5001/api/Movies/6" -H "accept: */*" -H "Content-Type: application/json" -d '{"id":6,"name":"Kazu","genre":"Fantasy","duration":"2h 9m","releaseDate":"2021-10-16T07:10:20.037Z","price":9999,"act":true}'
```

Request URL

https://localhost:5001/api/Movies/6

Server response

Code

Details

201

Undocumented

Response body

"Data Updates"

Download

Response headers

content-type: application/json; charset=utf-8
date: Sat 16 Oct 2021 07:10:52 GMT
server: Kestrel

Responses

Code	Description	Links
200	Success	No links

- Delete Movie By Id

DELETE

/api/Movies/{id}

Cancel

Parameters

Name	Description
id * required	
integer(\$int32)	6
(path)	

Execute

Clear

Responses

Curl

curl -X DELETE "https://localhost:5001/api/Movies/6" -H "accept: */*"

Request URL

https://localhost:5001/api/Movies/6

Server response

Code

Details

201

Undocumented

Response body

"Data Deleted"

Download

Response headers

content-type: application/json; charset=utf-8
date: Sat 16 Oct 2021 07:11:52 GMT

- Get Active/Non-Active Movie

GET

/api/Movies/GetAct/{act}

Cancel

Parameters

Name	Description
act * required	
boolean	true
(path)	

Execute

Clear

Responses

Curl

curl -X GET "https://localhost:5001/api/Movies/GetAct/true" -H "accept: */*"

Request URL

https://localhost:5001/api/Movies/GetAct/true

Server response

Code

Details

200

Response body

{
 "id": 1,
 "name": "Ze Masian",
 "genre": "Mussion/Sykhik",
 "duration": "2h 0m",
 "releaseDate": "2021-10-15T12:53:50.774",
 "price": 30000,
 "act": true
}

- Get Movie Between 2 Date

GET

/api/Movies/GetDate/{date1}, {date2}

Cancel

Parameters

Name	Description
date1 * required string(\$date-time) (path)	<input type="text" value="2021-11-15T12:57:02.706"/>
date2 * required string(\$date-time) (path)	<input type="text" value="2021-11-18T12:57:02.706"/>

ExecuteClear

Responses

Curl

curl -X GET "https://localhost:5001/api/Movies/GetDate/2021-11-15T12:57:02.706, 2021-11-18T12:57:02.706" -H "accept: */*"

Request URL

https://localhost:5001/api/Movies/GetDate/2021-11-15T12:57:02.706, 2021-11-18T12:57:02.706

Server response

Code	Details
200	<div>Response body</div> <div>[</div>

https://localhost:5001/api/Movies/GetDate/2021-11-15T12:57:02.706, 2021-11-18T12:57:02.706

Server response

Code	Details
200	<div>Response body</div> <div><pre>{ "id": 3, "name": "JoJo", "genre": "Anima", "duration": "24h 26m", "releaseDate": "2021-11-15T12:57:02.706", "price": 9999, "act": true }, { "id": 4, "name": "JoJo", "genre": "Anima", "duration": "24h 26m", "releaseDate": "2021-11-15T12:57:02.706", "price": 9999, "act": true }, { "id": 5, "name": "JoJo", "genre": "Anima", "duration": "24h 26m", "releaseDate": "2021-11-15T12:57:02.706", "price": 9999, "act": true }]</pre><div>Download</div></div> <div>Response headers</div> <div>content-type: application/json; charset=utf-8 date: Sat 16 Oct 2021 07:13:37 GMT server: Kestrel</div>

Responses

Code	Description	Links
200	Success	No links

- Get Movie With Date More Than Now/Specific Date

GET
/api/Movies/MoreDate/{date1}

Parameters
Cancel

Name	Description
date1 * required string(\$date-time) (path)	<input type="text" value="2021-11-15T12:57:02.706"/>

Execute
Clear

Responses

Curl

```
curl -X GET "https://localhost:5001/api/Movies/MoreDate/2021-11-15T12:57:02.706" -H "accept: */*"
```

Request URL

```
https://localhost:5001/api/Movies/MoreDate/2021-11-15T12:57:02.706
```

Server response

Code	Details
200	<div>Response body</div> <pre>{ "id": 1, "name": "JoJo", "genre": "Anime", "duration": "24h 26m", "releaseDate": "2021-11-15T12:57:02.706", "price": 999, "act": true }</pre>

GET
/api/Movies/MoreDate/{date1}

Parameters
Cancel

Name	Description
date1 * required string(\$date-time) (path)	<input type="text" value="2021-11-16T12:57:02.706"/>

Execute
Clear

Responses

Curl

```
curl -X GET "https://localhost:5001/api/Movies/MoreDate/2021-11-16T12:57:02.706" -H "accept: */*"
```

Request URL

```
https://localhost:5001/api/Movies/MoreDate/2021-11-16T12:57:02.706
```

Server response

Code	Details
200	<div>Response body</div> <pre>[]</pre> <div>Response headers</div> <pre>content-type: application/json; charset=utf-8</pre>

- Get Movie With Date Less Than Now/Specific Date

GET

/api/Movies/LessDate/{date1}

Cancel

Parameters

Name	Description
date1 * required	
string(\$date-time)	2021-11-15T12:53:02.706
(path)	

ExecuteClear

Responses

Curl

curl -X GET "https://localhost:5001/api/Movies/LessDate/2021-11-15T12:53:02.706" -H "accept: */*"

Request URL

https://localhost:5001/api/Movies/LessDate/2021-11-15T12:53:02.706

Server response

Code	Details
200	<div>Response body</div> <div><pre>{ "id": 1, "name": "Ze Masian", "genre": "Akuson/Sykik", "duration": "2h 0m", "releaseDate": "2021-10-15T12:53:58.774", "price": 30000, "act": true }</pre></div>

- Get Movie Between Specific Price

GET

/api/Movies/GetPrice/{price1}, {price2}

Cancel

Parameters

Name	Description
price1 * required	
integer(\$int32)	9999
(path)	
price2 * required	
integer(\$int32)	30000
(path)	

ExecuteClear

Responses

Curl

curl -X GET "https://localhost:5001/api/Movies/GetPrice/9999, 30000" -H "accept: */*"

Request URL

https://localhost:5001/api/Movies/GetPrice/9999, 30000

Server response

Code	Details
200	<div>Response body</div> <div><pre>{ "id": 1, "name": "Ze Masian", "genre": "Akuson/Sykik", "duration": "2h 0m", "releaseDate": "2021-10-15T12:53:58.774", "price": 30000, "act": true }</pre></div>

Server response

Code	Details	
200	<div>Response body</div> <div><pre>{ { "id": 1, "name": "Ze Masian", "genre": "Akuson/Sykik", "duration": "2h 0m", "releaseDate": "2021-10-15T12:53:50.774", "price": 30000, "act": true }, { "id": 3, "name": "JoJo", "genre": "Animu", "duration": "24h 26m", "releaseDate": "2021-11-15T12:57:02.706", "price": 9999, "act": true }, { "id": 4, "name": "JoJo", "genre": "Animu", "duration": "24h 26m", "releaseDate": "2021-11-15T12:57:02.706", "price": 9999, "act": true }, }</pre></div> <div>Response headers</div> <div><pre>content-type: application/json; charset=utf-8 date: Sat 16 Oct 2021 07:16:48 GMT server: Kestrel</pre></div>	
Responses		
Code	Description	Links
200	Success	No links