# Movies.js

```
class Movie {
  constructor(title, director, stars, description) {
    this.Title = title;
    this.Director = director;
    this.Stars = stars;
    this.Description = description;
}

module.exports = Movie;
```

## Penjelasan:

File ini berisi definisi kelas Movie yang menjadi blueprint/model struktur data film, sehingga setiap objek film yang dibuat atau diproses di aplikasi memiliki atribut Title, Director, Stars, dan Description secara konsisten.

moviesApp.js

```
const express = require("express");
const bodyParser = require("body-parser");
const fs = require("fs");
const path = require("path");
const Movie = require("./Movie");
const swaggerUi = require("swagger-ui-express");
const swaggerJsdoc = require("swagger-jsdoc");
const app = express();
const port = 3000; // You can change this if needed
// Helper to read and write JSON
const moviesFile = path.join( dirname, "movies.json");
function readMovies() {
 const data = fs.readFileSync(moviesFile, "utf-8");
  return JSON.parse(data);
function writeMovies(movies) {
fs.writeFileSync(moviesFile, JSON.stringify(movies, null, 2), "utf-8");
app.use(bodyParser.json());
const options = {
 definition: {
    openapi: "3.0.0",
   OUTPUT DEBUG CONSOLE TERMINAL PORTS
```

```
description: "API for Movies using Node.js and Express (JSON file storage)",
},
servers: [{ url: `http://localhost:${port}` }],
},
apis: ["./moviesApp.js"],
};
const swaggerSpec = swaggerJsdoc(options);
app.use("/swagger", swaggerUi.serve, swaggerUi.setup(swaggerSpec));

/**

* @swagger
* components:
* schemas:
* Movie:
* type: object
* properties:
* Title:
* type: string

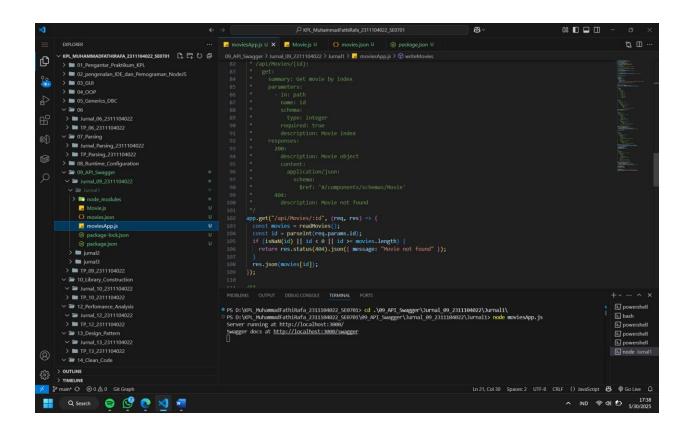
Director:
* type: string

* Stars:
* type: array
* items:
* type: string

Description:
* type: string

Description:
* type: string
```

```
@swagger
   /api/Movies:
     get:
       summary: Get all movies
       responses:
         200:
           description: List of movies
           content:
             application/json:
               schema:
                 type: array
                 items:
                   $ref: '#/components/schemas/Movie'
app.get("/api/Movies", (req, res) => {
  res.json(readMovies());
});
  @swagger
   /api/Movies/{id}:
     get:
       summary: Get movie by index
       parameters:
         - in: path
           name: id
```



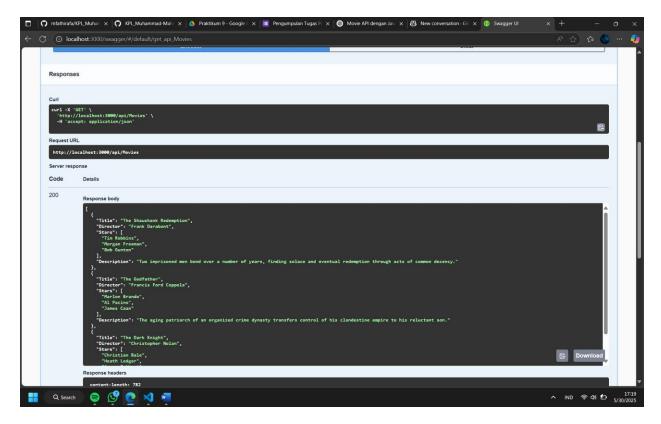
```
@swagger
  /api/Movies:
       summary: Add a new movie
       requestBody:
           application/json:
               $ref: '#/components/schemas/Movie'
      responses:
             application/json:
               schema:
                 $ref: '#/components/schemas/Movie'
app.post("/api/Movies", (req, res) => {
 const { Title, Director, Stars, Description } = req.body;
  const movie = new Movie(Title, Director, Stars, Description);
  const movies = readMovies();
  movies.push(movie);
 writeMovies(movies);
 res.status(201).json(movie);
});
   OUTPUT DEBUG CONSOLE TERMINAL PORTS
```

```
parameters:
         - in: path
           schema:
             type: integer
           required: true
           description: Movie index
       responses:
         204:
           description: Movie deleted
         404:
           description: Movie not found
app.delete("/api/Movies/:id", (req, res) => {
 const id = parseInt(req.params.id);
 const movies = readMovies();
 if (isNaN(id) || id < 0 || id >= movies.length) {
   return res.status(404).json({ message: "Movie not found" });
 movies.splice(id, 1);
 writeMovies(movies);
 res.status(204).send();
});
app.listen(port, () => {
  console.log(`Server running at http://localhost:${port}/`);
 console.log(`Swagger docs at http://localhost:${port}/swagger`);
```

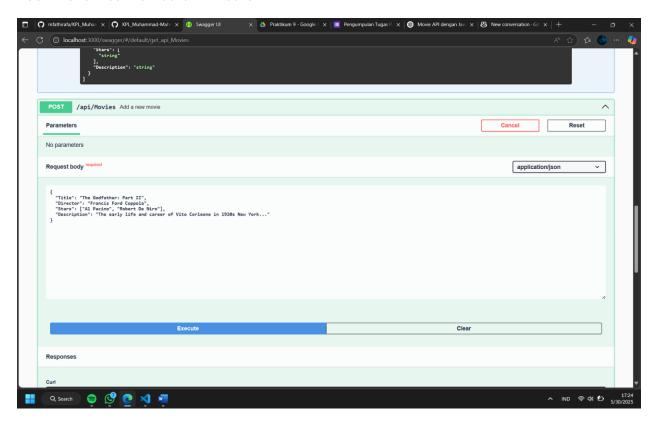
## Penjelasan:

File ini merupakan inti aplikasi yang menjalankan server Express, mengatur endpoint RESTful untuk operasi CRUD pada data film (GET, POST, DELETE), melakukan pembacaan dan penulisan data ke file movies.json, serta menyediakan dokumentasi dan antarmuka uji API menggunakan Swagger UI di endpoint /swagger.

Get- all film



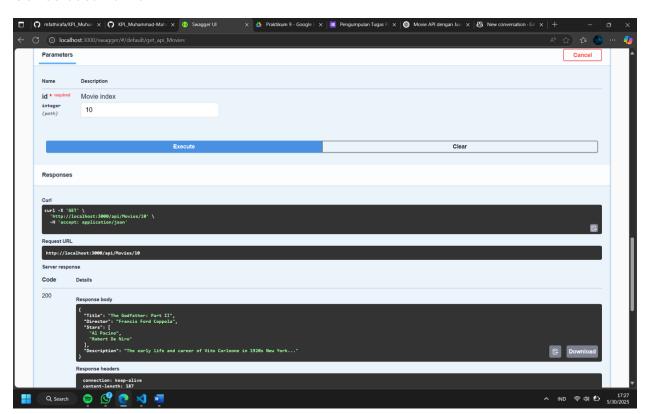
Post-menambahkan data film baru



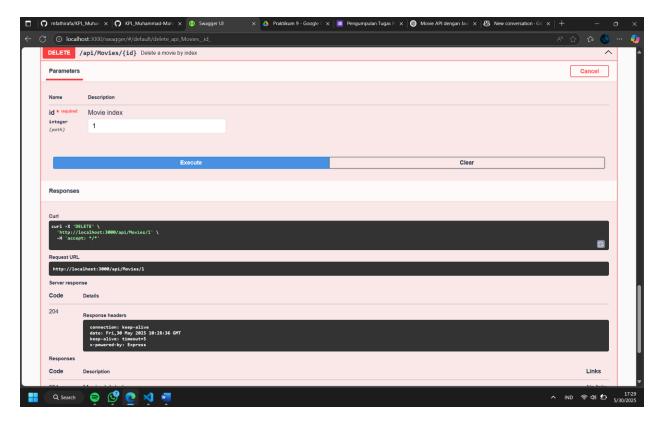
Get-melihat film yang ditambahkan

```
🜎 mfathirafa/XPL,Muhan: x 🌎 XPL,Muhammad-Mahi x 🔞 Swagger UI ... x 💩 Priktikum 9 - Google : x 📕 Pengumpulan Tugas ii: x 🔞 Movie API dengan Jav. x 😸 New conversation - Gir. x 📙
                                                                                                                                                                                                                             A<sup>3</sup> ☆ ☆ 🚳 ... 🥠
← C (  o localhost:3000/swagger/#/default/get_api_Movies
          http://localhost:3<del>000</del>/api/Movies
          Server response
         Code Details
         200
                       Response body
                        ], "Description": "When the menace known as the Joker emerges, Batman must accept one of the greatest psychological and physical tests of his ability to fight injustice."
                             "Title": "The Godfather: Part II",
"Director": "Francis Ford Coppola",
"Stars": [
"Al Pacino",
"Robert De Niro"
                                                                                                                                                                                                                              Downlo
                         connection: keep-alive
content-length: 991
content-type: application/json; charsetmutf-8
date: Fri,30 May 2805 10:23:56 GMT
eta; NY-38f-SaumPOCrnids442CKyP/b1DFNIM*
keep-alive; timeoutf's
x-powered-by: Express
         Code
         200
                       List of movies
                                                                                                                                                                                                                                          No links
                        Media type
🚆 Q Search 🌘 🥵 🙋 刘 🚾
                                                                                                                                                                                                                           へ IND 奈中 か 17:24
5/30/2025
```

#### Get-berdasarkan id



Delete-id 1



### Get-menngecek film yang telah didelete

