# Movie API Documentation

This document describes the available API endpoints for managing movies and directors.

## Movies API

### 1. Get All Movies

Method: GET

URL: http://localhost:<your-port>/api/movies

Description: Retrieves a list of all movies, including their directors.

Response:

[  
 {  
 "id": 1,  
 "title": "Inception",  
 "releaseYear": 2010,  
 "directorId": 1,  
 "director": {  
 "id": 1,  
 "name": "Christopher Nolan"  
 }  
 }  
]

### 2. Get a Specific Movie

Method: GET

URL: http://localhost:<your-port>/api/movies/{id}

Description: Retrieves details of a specific movie by ID.

Response:

{  
 "id": 1,  
 "title": "Inception",  
 "releaseYear": 2010,  
 "directorId": 1,  
 "director": {  
 "id": 1,  
 "name": "Christopher Nolan"  
 }  
}

### 3. Create a New Movie

Method: POST

URL: http://localhost:<your-port>/api/movies

Headers: Content-Type: application/json

Body:

{  
 "title": "Interstellar",  
 "releaseYear": 2014,  
 "directorId": 1  
}

Response:

{  
 "id": 2,  
 "title": "Interstellar",  
 "releaseYear": 2014,  
 "directorId": 1  
}

### 4. Update a Movie

Method: PUT

URL: http://localhost:<your-port>/api/movies/{id}

Description: Updates an existing movie by ID.

Body:

{  
 "id": 1,  
 "title": "Inception (Updated)",  
 "releaseYear": 2010,  
 "directorId": 1  
}

### 5. Delete a Movie

Method: DELETE

URL: http://localhost:<your-port>/api/movies/{id}

Description: Deletes a movie by ID.

Response: 204 No Content

## Directors API

### 1. Get All Directors

Method: GET

URL: http://localhost:<your-port>/api/directors

Description: Retrieves a list of all directors and their movies.

### 2. Get a Specific Director

Method: GET

URL: http://localhost:<your-port>/api/directors/{id}

### 3. Create a New Director

Method: POST

URL: http://localhost:<your-port>/api/directors

Body:

{  
 "name": "Christopher Nolan"  
}

### 4. Delete a Director

Method: DELETE

URL: http://localhost:<your-port>/api/directors/{id}