Movie Cards API

The primary objective is to build a robust .NET API using EF Core to manage movies, directors, actors, and genres, with a strict focus on exposing data only through DTOs.

Required Entities:

Movie:

Id, Title, Rating, ReleaseDate, Description

Relationships:

- o   One-to-Many with Director.

- o   Many-to-Many with Actor.

- o   Many-to-Many with Genre.

Director:

Id, Name, DateOfBirth

- **Relationship**:

- o   One-to-One with ContactInformation.

Actor:

Id, Name, DateOfBirth

Genre:

Id, Name

ContactInformation:

Id, Email, PhoneNumber

These endpoints are a minimum of what you should implement

Movie:

- GET /api/movies: Return a list of MovieDTO.

- GET /api/movies/{id}: Return a single MovieDTO by ID.

- POST /api/movies: Create a new movie using a MovieForCreationDTO.

- PUT /api/movies/{id}: Update an existing movie with a MovieForUpdateDTO.

- DELETE /api/movies/{id}: Delete a movie by ID

Get Detailed Movie Information:

- GET /api/movies/{id}/details: Return a MovieDetailsDTO that combines data from Movie, Director, ContactInformation, Genre, and Actor.

Validation and setup

All tables should be seeded with random testdata.

Add Validation Creating and Update an Movie.

API Should return correct status codes!

Extra

Integrate the new MovieDetails Endpoint to existing movie card exercise. Just for display from API.

Implement more endpoints for more of the other entities.

Implement add new Movie from React app.