**Capstone Project: Movie Rating Web Application**

**Purpose:** I want to create a movie rating web app, inspired by our weekly movie nights with friends. We go to the theater and rate the movies we see each week. I'm looking to simplify how we track our movie preferences and build on our existing database/server project to make a user-friendly platform.

The main aim of this project is to make it easy to rate, review, and organize movies using a movie database API. With this platform, I hope to create personalized lists, rank movies, and compare ratings with friends. Ultimately, I want to make an app that makes it simple to track and share our movie preferences, perfect for movie enthusiasts like me.

**MVP 1: Basic Movie Rating System**

* **Movie Database Integration:** Integrate a movie database API (e.g., IMDb API) to fetch movie details such as title, release year, synopsis, poster image, etc.
* **Movie Listing:** Display a list of popular or trending movies fetched from the movie database API.
* **Movie Rating:** Rank your top 5 movies in your personal profile, you can search, add, and delete movies from your list.
* **User Profile:** Provide users with a profile page where they can view their rated movies and their overall ratings.

**Concept:**

[Movie Database Integration]

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[Movie Listing] --- [Movie Rating] --- [User Profile]

**MVP 2: Personalized Movie List**

* **User-Specific Movie List:** Allow users to create their personalized lists of movies they have watched or want to watch.
* **List Management:** Enable users to add/remove movies from their lists.
* **List Sharing:** Allow users to share their lists with friends via a unique URL or social media integration. (Kinda the point of the application, but again wondering if this is too much)

**Concept:**

[Movie Database Integration]

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[Movie Listing] --- [Movie Rating] — [User Profile]

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[Personalized Movie List]

**MVP 3: Movie Ranking and Comparison**

* **Movie Ranking:** Allow users to rank movies in their personalized lists based on their preference.
* **Comparison Tool:** Provide a tool for users to compare their movie rankings with their friends.

**Concept:**

[Movie Database Integration]

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[Movie Listing] --- [Movie Rating] --- [User Profile]

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[Personalized Movie List] <---> [Movie Ranking & Comparison]

**Figma Layout of App:**

<https://www.figma.com/file/fSJegqYEZNp5iS3GuU4eQm/Capstone%3A-Movie-Ranking-Layout?type=design&mode=design&t=e0ZzBu1vIS6qvK88-1>

**Local Server & Database Setup Step:**

* Initialize PostgreSQL Database
* Connect to PostgreSQL via pgAdmin 4
* Create Database
* Set Up Tables
* Configure Application to Connect to PostgreSQL
* Test Connection and Database Operations