MOVIE WATCHLIST

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Introduction

The Movie Watchlist project is a comprehensive movie management system meant to give users a smooth and enjoyable experience when tracking and arranging the movies they intend to view. This system has a variety of capabilities, such as the ability to add, edit, and delete movies, as well as the ability for users to post reviews. This project intends to provide customers with a user-friendly and efficient platform for maintaining their movie watchlists by employing a well-structured database. To implement this project, we will use Python with Django for the backend and MySQL MariaDB for the database, while HTML and CSS will be used for the frontend.

Use Cases:

1. User Registration and Authentication:
Use Case: A new user wants to create an account to start using the Movie Watchlist application.
Actions: User registers with a unique username and email. Password is securely stored. After registration, the user can log in to their account.

2. Add a Movie to Watchlist:
Use Case: A logged-in user wants to add a movie to their watchlist for future viewing.
Actions: User searches for a movie by title, selects a movie, and adds it to their watchlist. They can choose the status of the movie (e.g., "to watch," "watched," "plan to watch").

3. Write a Movie Review:
Use Case: A user wants to write a review for a movie they have watched.
Actions: User selects a movie from their watchlist, writes a review with text, and submits it. The review is associated with the user and the movie.

4. View User's Watchlist:
Use Case: A user wants to view their list of movies in the watchlist.
Actions: User accesses their watchlist, which displays the movies they've added, along with details like title, release year, and status.

5. Delete a Movie from Watchlist:
Use Case: A user decides to remove a movie from their watchlist.
Actions: User selects a movie in their watchlist and chooses to delete it from their watchlist. The movie is removed from their list.

6. Edit Movie Details:
Use Case: An admin or authorized user wants to update details for a movie (e.g., title, release year, plot summary).
Actions: User with appropriate permissions selects a movie from the Movie Table and makes changes to its details.

Database : movie_watchlist_db

1. **User Table:**
user_id – integer (PK)
username – string
email – string
password – string
first_name – string
last_name – string

2. **Movie Table:**
movie_id – integer (PK)
title – string
release_year – integer
director – string
category_id – integer (FK)
summary – text
rating – decimal

3. **Watchlist Table:**
watchlist_id – integer (PK)
user_id – integer (FK)
movie_id – integer (FK)
timestamp – datetime
status – string

4. **Review Table:**
review_id – integer (PK)
user_id – integer (FK)
movie_id – integer (FK)
review_text – text
timestamp – dateTime

5. **Category Table:**
category_id – integer (PK)
name – string
description – text

Summary:

The Movie Watchlist project is a feature-rich and user-friendly movie management system. It allows users to create and manage watchlists of movies they want to watch, as well as rate and review them. The well-organized database saves user information, movie details, categories, watchlist entries, and reviews, allowing for effective data management and user interaction.

Thanks