

# **CS 5200 Project Proposal**

**Topic** – Movie Database System

**Database** – MySQL

**Front End** – HTML, CSS, PHP, Bootstrap

## **Project Description:**

People often prefer to go through the rating provided by others on a movie or tv series before watching them. So, we planned to build a Movie Database System, where users can log on to and check reviews on the movie and TV Series of their interest. The Application also allows users to provide reviews of their own.

## **Justification for SQL Database (MySQL):**

- MySQL Database can support complex queries to be performed on the data stored in the database.
- It is important that the database responds quickly to the user requirements.
- MySQL also supports Replication, so the database can be hosted on multiple servers which ensures workload balance and scalability as the users of the applications increase.
- NoSQL databases are slow in providing response if the queries are complex.
- Also, NoSQL databases are suitable if schema of the database are dynamic. In our application schema is not dynamic.

## **Description of the Application:**

We plan to make a website for searching movies and tv series. There will be three types of users – a registered user, a nonregistered user and the administrator. The administrator will have access to all registered users' information. A user can CREATE their account for first login. The movie search panel READS data from the database and displays it on the website. A user can UPDATE their personal data. Admin can UPDATE the database information or any other user information. Admin can DELETE a user or a movie related information.

Registered user can –

Create a watch list.

Comment on a movie.

Rate a movie.

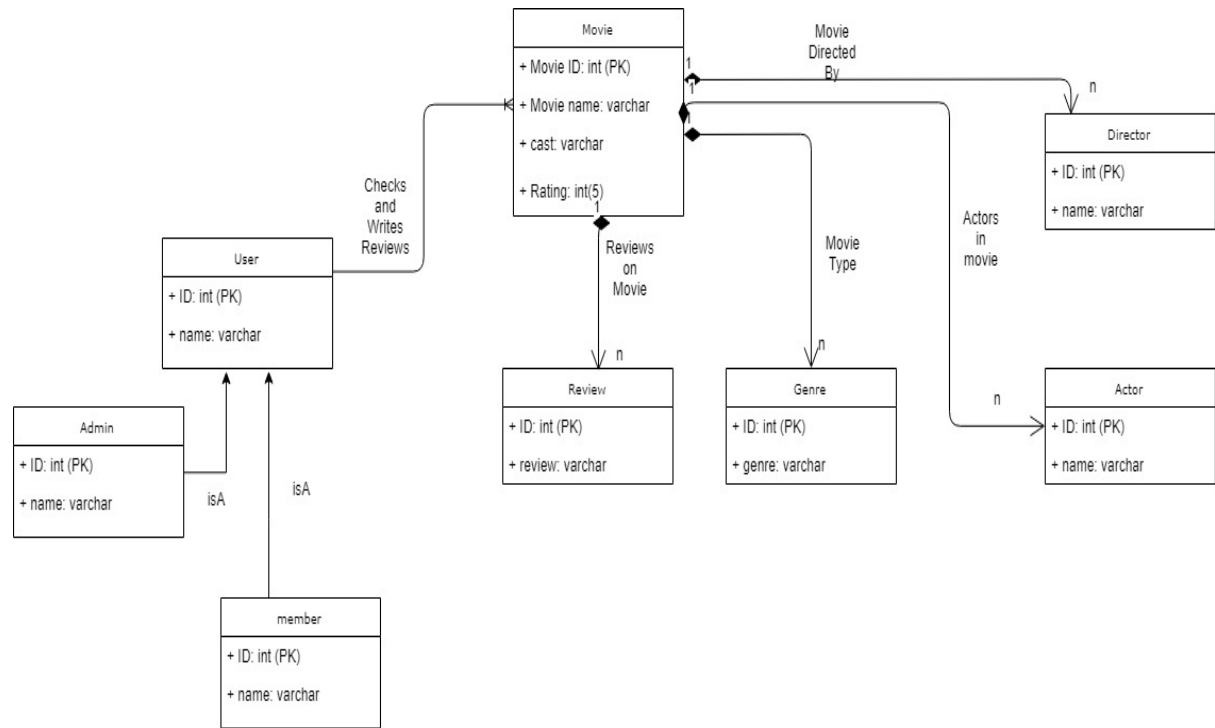
However a nonregistered user can only search for a movie title.

Apart from these we are also planning to add a movie recommendation facility which will suggest the user movies similar to their area of interest.

## **Why this project?**

We are like to watch movies in our free time and hence wanted to create a website in which user can search new movies, give reviews on movies they have watched and also create a watch list.

## UML Diagram-



## User Interaction:

The user will open the website.

User can search for a movie.

If they want to create a watch list or add a review they have to login.

User then creates an account and logs in.

User can search for a movie from the search panel.

User selects a genre and the related movies will be displayed.

User selects a movie.

User rates that movie.

User posts a review.

User goes back and selects another movie.

User add it to their watch list.

User logs out.

### Flow Chart for User Interaction:

