**National Institute of Technology, Karnataka**

**Department of Computer Engineering**

**DATABASE MANAGEMENT SYSTEMS LAB (CO303) MINI PROJECT**

MOVIE DATABASE MANAGEMENT SYSTEM

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# Problem Statement

Movies and TV Shows are currently a very popular means of entertainment among adults and children alike. In this era of the Internet, movies and TV shows are available easily online, often for free. Since everyone only has a limited amount of free time, they would like to be able to know the rating and reviews of a movie or a TV show before they watch it. This creates a demand for a system where information about movies should be available easily, along with reviews by critics and ratings by other users. There is demand for a website where details about movies can be accessed in a single click.

Our project aims to design a movie database which will provide a way for users to manage the movies they have already watched and make a list of all the movies they plan to watch, reviews, or can go to the TV show or actors page instead. Pages with the top 10 movies of all time in each genre are also dynamically generated. A user has to login or sign in to be able to rate and review movies and create a list of his favourite movies.

# ACTORS

The users of this website will primarily be

* Professional movie critics employed by newspapers and magazines
* General public

# Sample Queries

A user can

* Login to the website using his email id and password
* Signup to the website, filling up a form containing all his details
* Visit the website without login or signup
* Click on a movie title to view its details
* Click on a TV Show to view its details
* Click on an Actor to view his/her details
* Rate a movie
* Write a review for a movie
* View the top 10 movies in any language or genre
* See the latest movies
* See the movies which are to be released

# ER MODEL

# Global conceptual schema

From the ER Diagram made, the following relations were created.

Movie:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MID | M\_Title | M\_Summary | M\_poster\_link | Director | Cast | Rating | Runtime | Date | Genre |

TV\_Shows

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TVID | TV\_Title | TV\_Summary | TV\_poster\_link | Director | Cast | Rating | Runtime | Date | Genre | Seasons |

Users

|  |  |  |  |
| --- | --- | --- | --- |
| Username | Password | Email | Phone\_no |

# normalization