

# **Project report on**

## **Movie management system**

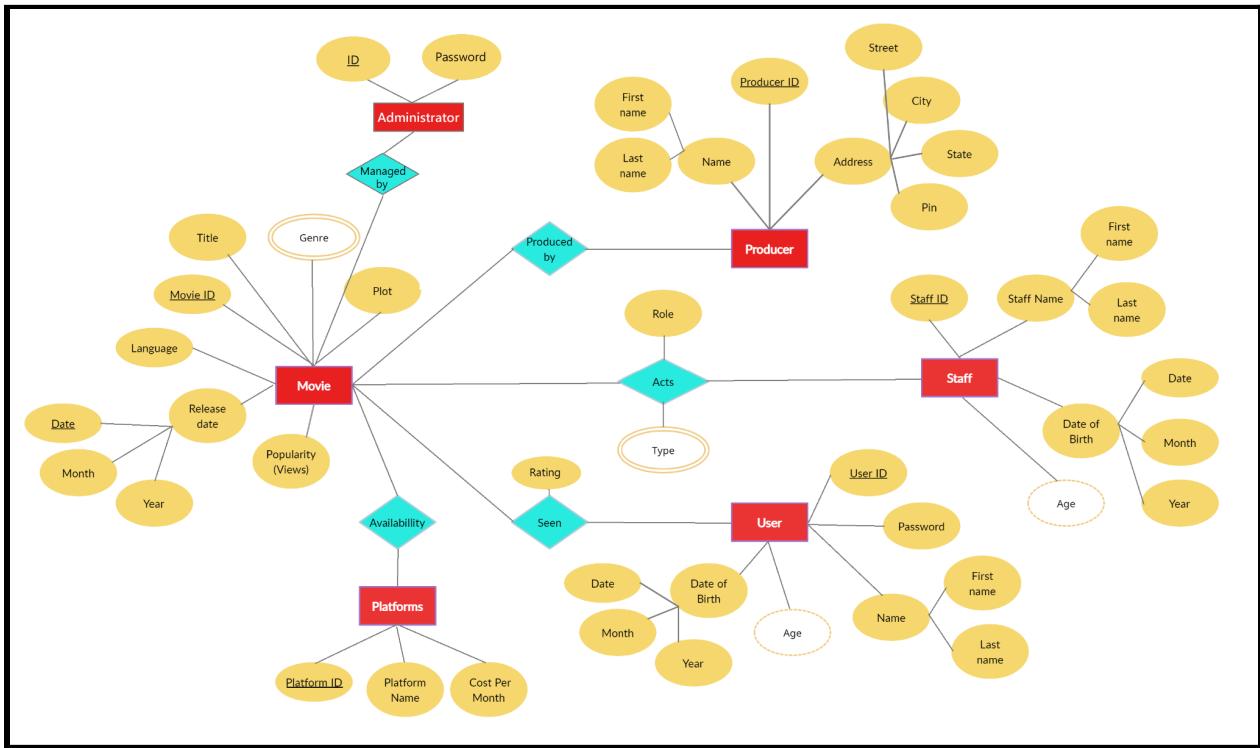
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### **Abstract**

In this project we've built a comprehensive and well-organized database of movies where users can check the latest movies and ratings to find movies according to their preferences. The features that we've incorporated are-

- Users can create their account in order to access and rate movies. Each user will have their own watchlist where they can see their previously seen movies. Also, users will have their unique id from which we can uniquely identify them.
- Users can also rate the movies that they have watched and it will be updated in the database.
- Users can also view upcoming films in addition to prior films. Also, they can find out on which platforms they can watch the movie.
- The database will be accessible by the administrator, who will be able to add new movies and remove old ones as needed.
- Each movie will have its details like cast, director, year of release, brief title, and plot, etc. (similar to IMDb)

### **E-R diagram**



## Relation schema

- **Movie\_Genre (Movie ID, Genre)**
- **Administrator (Administrator ID, Password)**

ID->Password

- **Managed-By (Movie ID, Administrator ID)**
- **Platforms (Platform ID, Platform Name, Cost Per Month)**

Platform ID -> Platform Name, Cost Per Month

Platform Name -> Cost Per Month (*This violate 3NF so we will make a separate table*)

- **Platform1 (Platform ID, Platform Name)**

Platform ID -> Platform Name

- **Platform2 (Platform Name, Cost Per Month)**

Platform Name -> Cost Per Month

- **Availability (Platform ID, Movie ID)**
- **User (User ID, Password, First Name, Last Name, Date, Month, Year)**

User ID->Password, First Name, Last Name, Date, Month, Year

- **Seen (User ID, Movie ID, Rating, Watchlist)**
- **Staff (Staff ID, First Name, Last Name)**

Staff ID ->First Name, Last Name

- **Acts (Movie ID, Staff ID, Role)**
- **Acts\_Type (Movie ID, Staff ID, Type)**
- **Producer (Producer ID, First Name, Last Name, Street, City, State, Pin)**

Producer ID->First Name, Last Name, Street, City, State, Pin

Pin-> City, State (*This violate 3NF so we will make a separate table*

- **Producer1(Producer ID, First Name, Last Name, Street, Pin)**

Producer ID->First Name, Last Name, Street, Pin

- **Producer2(Pin, City, State)**

Pin-> City, State

- **Produced BY(Movie ID, Producer ID)**
- **Movie (Movie ID, Title, Language, Plot, Popularity, Date, Month, Year, Rating)**

Movie ID ->Title, Language, Plot, Popularity, Date, Month, Year, Rating

Title, ReleaseDate -> Plot (*This violate 3NF so we will make a separate table*

- **Movie1 (Movie ID, Title, Language, Popularity, Date, Month, Year, Rating)**

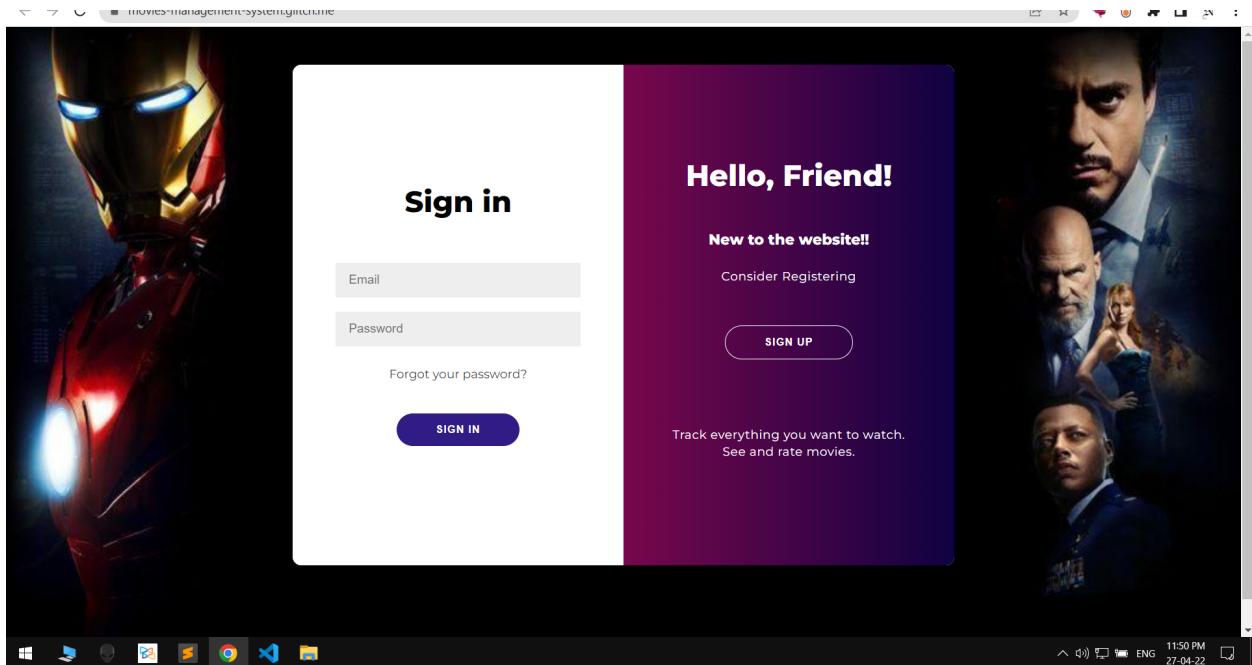
Movie ID ->Title, Language, Popularity, Date, Month, Year, Rating

- **Movie2(Title, ReleaseDate, Plot)**

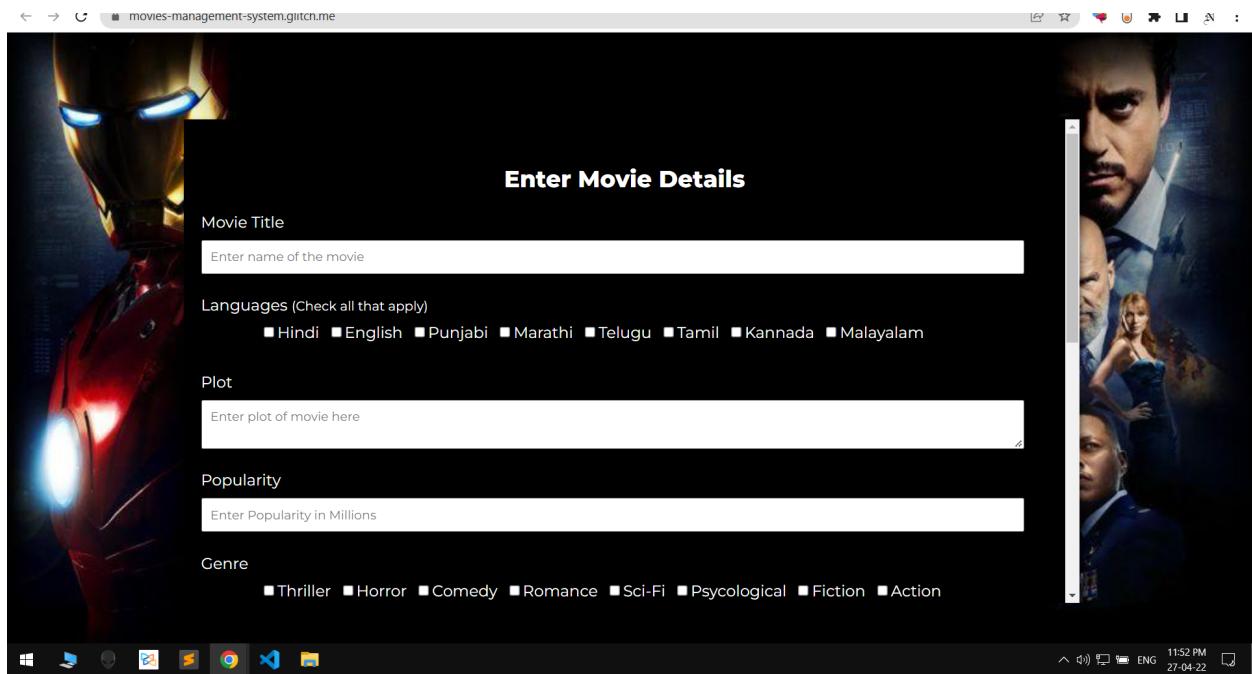
Title, ReleaseDate -> Plot

## Project frontend:

### Login/signup:



## Admin can add movie:



**Enter Movie Details**

Movie Title

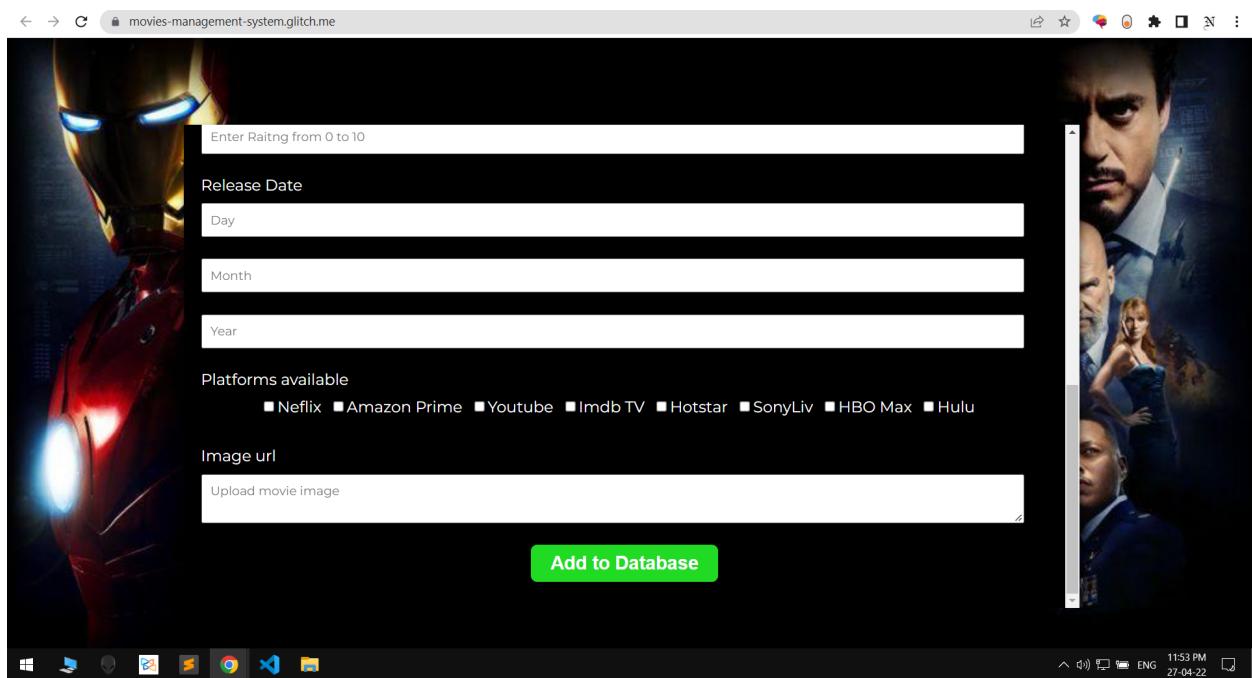
Languages (Check all that apply)  
 Hindi  English  Punjabi  Marathi  Telugu  Tamil  Kannada  Malayalam

Plot

Popularity

Genre  
 Thriller  Horror  Comedy  Romance  Sci-Fi  Psychological  Fiction  Action

Windows taskbar at the bottom.



Enter Rating from 0 to 10

Release Date  
Day  
  
Month  
  
Year

Platforms available  
 Netflix  Amazon Prime  Youtube  Imdb TV  Hotstar  SonyLiv  HBO Max  Hulu

Image url

**Add to Database**

Windows taskbar at the bottom.

## Admin can add staff:

Enter Staff Details

Staff Name

First Name

Last Name

Date of birth

Date

Month

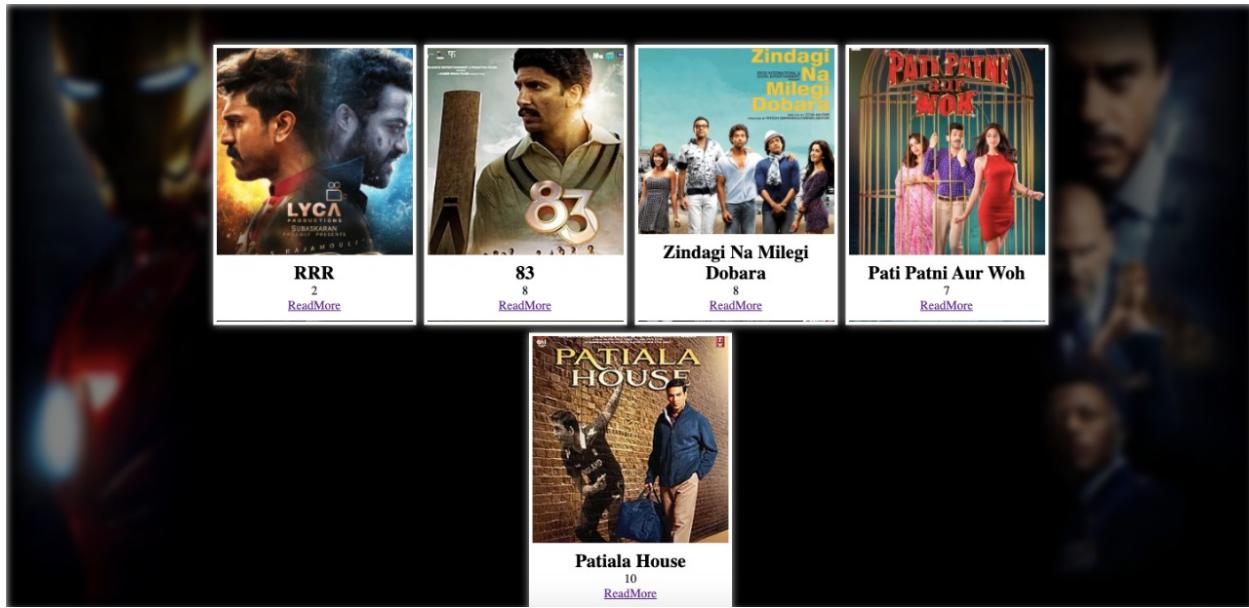
Year

Staff Type

Actress / Actor    Director    Writer    Editor    Costume Designer    Music Supervisor

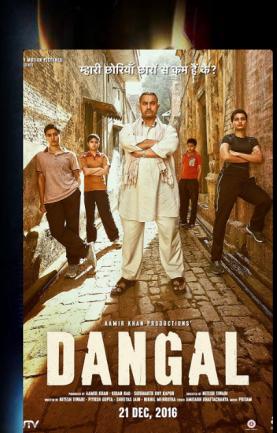
Submit

## User can see movies:



## User can see movie description:

[movies-management-system.gittcn.me](http://movies-management-system.gittcn.me)



**Movie Description:**  
This is the random description i am writing. Former wrestler Mahavir Singh Phogat and his two wrestler daughters struggle towards glory at the Commonwealth Games in the face of societal oppression. Former wrestler Mahavir Singh Phogat and his two wrestler daughters struggle towards glory at the Commonwealth Games in the face of societal oppression.

**Genre:**  
Comedy, documentary



**Movie cast:**

Firstname	Lastname	Type	role
Amir	khan	actor	positive role, father of actor/actress
Nitesh	Tiwari	Director	this is director

**Movie name**  
**Rating:** 10  
**release date:** 10/10/2015

**Producer:**  
Amir khan productions



```
74  console.log(req.body);
75~ let movie = {
76   title: req.body.title,
77 };
78 let sql = "DELETE from Movie where ?";
79~ let query = db.query(sql, movie, (err, res) => {
80   if (err) console.log(err);
81   else console.log("Movie deleted");
82 });
83 });
84
85~ app.post("/check_movie_in_db", (req, res) => {
86~ let movie_title = {
87   title: req.body.title,
88 };
89 //movie_title.toUpperCase();
90 console.log(req.body.title + " from server");
91 let sql = "SELECT id from Movie where ?";
92~ let query = db.query(sql, movie_title, (err, res) => {
93   if (err) console.log(err);
94   else console.log("DB checked");
95   console.log(res);
96   if (res[0] == undefined) present = 0;
97   else present = 1;
98   console.log("present = ", present);
99 });
100 });
101
102~ app.get("/present_val", (req, res) => {
103   res.send(present.toString());
104 });
105
106~ app.get("/show_staff", (req, res) => {
107 }
```