



INTERNET MOVIE DATABASE PROJECT

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CONTRIBUTIONS

Contribution

Sriharsha - Project report, ERD, Schema, Triggers, Login GUI, Functions, Roles GUI, Search GUI, Php backend for roles

Vamsi - User requirements, ERD, roles, views, Handling database, Register GUI, Php backend for roles, Procedures

Sudheer - Creating tables and values, Styling GUI, Php backend for login and registration, views, project report

USER REQUIREMENTS

1. Search for information related to a movie(movie title)
2. Search for the movies done by a particular actor
3. Search for the movies done by a particular actress
4. Search for the movies done by a particular director
5. Search for the movies of the combination of Actor, Actress, Director
6. Critics can give a rating and a review on the movie
7. Producer can access cast and crew details(remuneration etc) of the movie
8. Music director have all privileges to access songs
9. News about the movie can be posted by journalists
10. Critics can grant an award to the movie
11. Search for the songs in a movie
12. Search for the songs sung by a singer in a movie

SCHEMA

1.Movie

Movieid
Title
Language
Genre
Rating
FilmSeries
Collection
RunTime
ReleaseDate

2.Person

Personid
Name

3.Critic

Criticid
Name
Company

4.People

Peopleid
Name
Accounttype
Purchasetype

5.Comments

Commentid
Comment
Upvotes
Downvotes

6.Awards

Awardid
Awardname

7.Cast&crew

Castcrewid
Role
Renumeration

8.Songs

Songid
SongName

9.News

Newsid
News

VIEWS, TRIGGERS AND ROLES

4.1 VIEWS

1. SEEPURCHASERS

This view contains movie, people who purchased that movie, comments, upvotes and downvotes

2. SEEAWARDS

This view contains movie and the awards it got

3. MOVIENEWS

This view contains movie, news related to the movie and the person who posted it

4. MOVIEACTORS

This view contains movie, cast&crew and their remuneration details in that movie

4.2 TRIGGERS

1. RATINGTRIGGER

Whenever a critic posts a rating for a movie, then automatically MovieRating of the movie gets updated in Movie table

4.3 ROLES

1. MUSICDIRECTOR

This role permits the user to see, insert, delete songs in the song table and also links the song, singer to the particular movie

- Select, Insert, Delete on Songs
- Insert MovieSongs

2. CRITIC

This role permits the user to access seeawards view, grant an award to the movie and post ratings and reviews as a critic

- Select on SeeAwards(View)
- Select, Insert on Critics
- Select, Insert on Awards

3. JOURNALIST

This role permits the user to see news on the movie ,add news on the movie and person who posted it

- Select on MovieNews(View)
- Select on Movie, Person
- Select, Insert, Delete on News

4. PRODUCER

This role permits the user to access and modify cast and crew and their remuneration details

- Select on MovieOwner(View)
- Select on MovieActor(View)
- Select on Movie, Person
- Select, Insert, Update on Cast&Crew

FUNCTIONS AND PROCEDURES

5.1 FUNCTIONS

- No of Awards

This functions takes movie name as a input and returns no of awards movie has gained

5.2 PROCEDURES

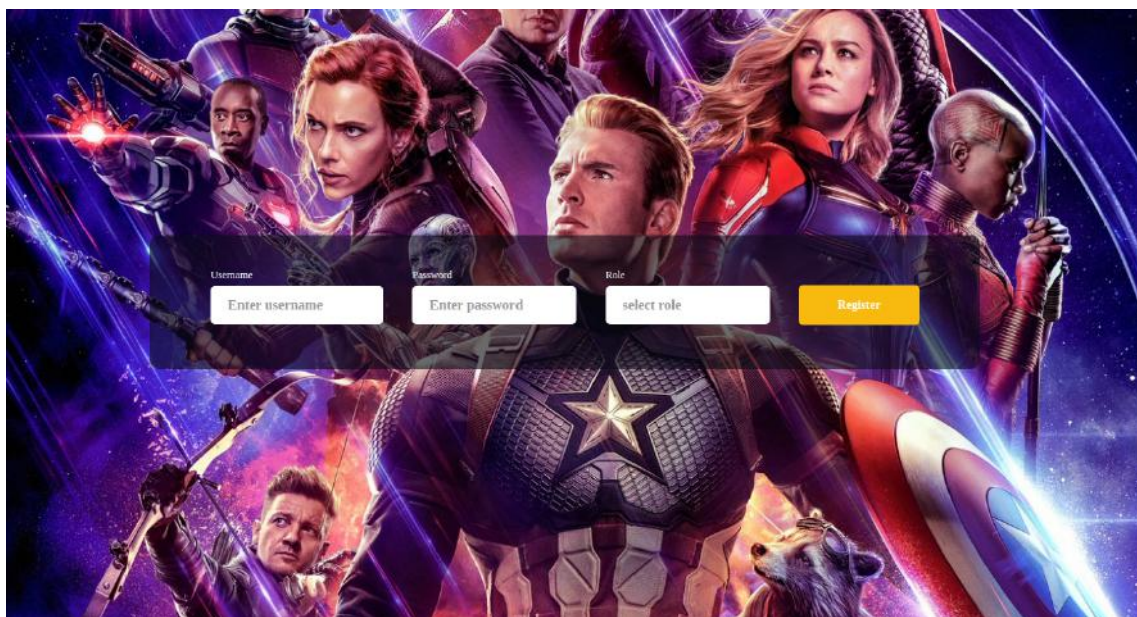
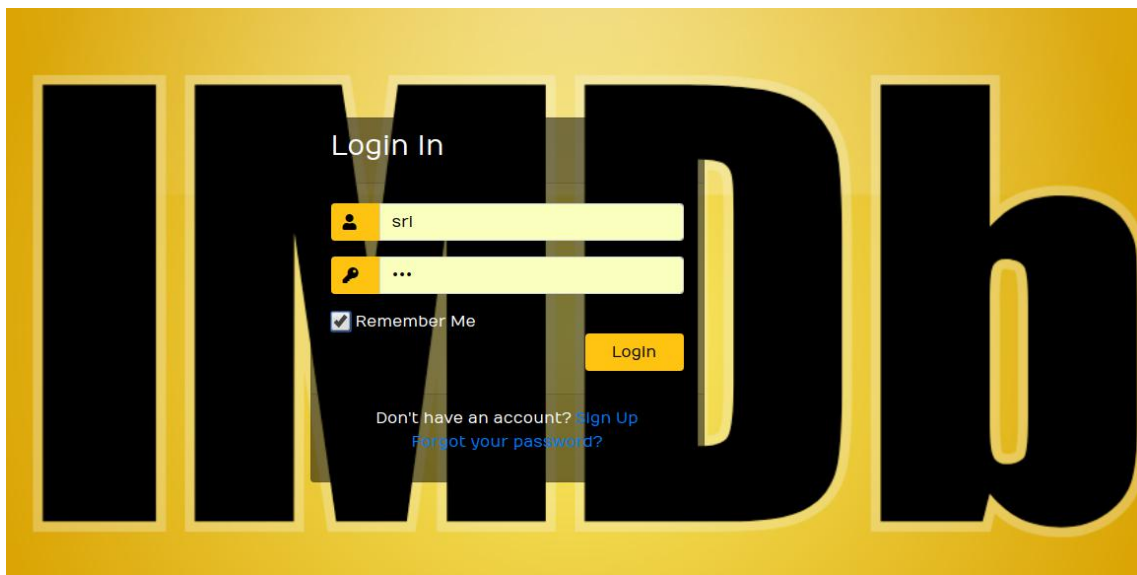
- Movie Search

This procedure takes movie, actor, actress, director, genre as inputs and returns a table which contains movies done by them together

- Song Search

This procedure takes songname, singer as input and returns a table which contains songs

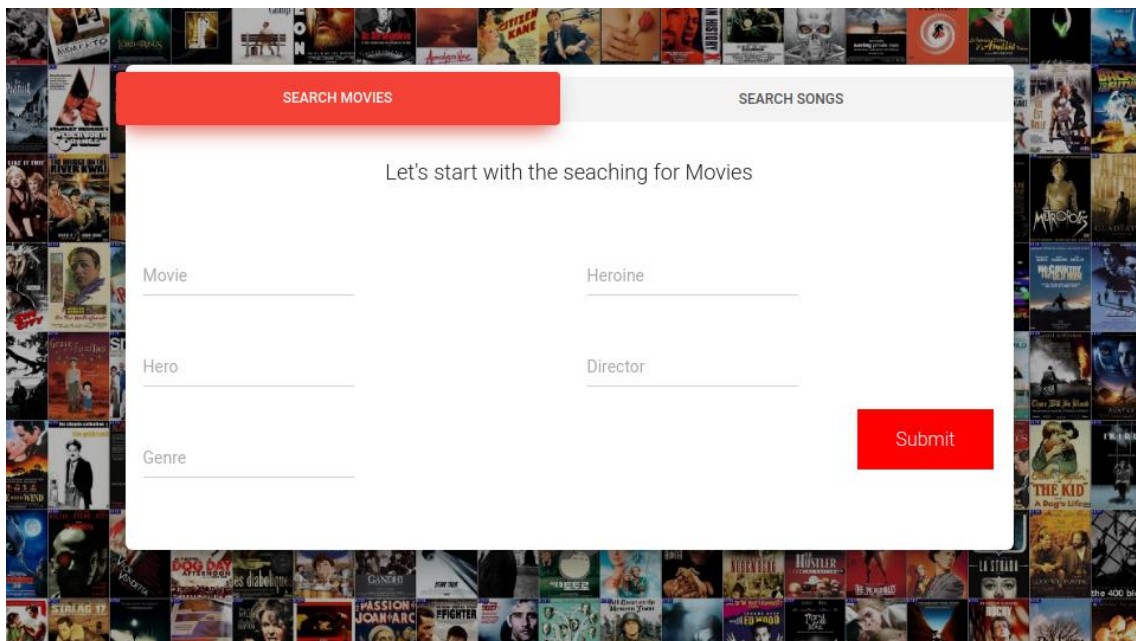
GUI LOGIN AND REGISTER



MOVIE SEARCH

Here we provide five input boxes(Movie, Hero, Heroine, Director, Genre) to the user
These 5 input boxes acts like a filter kind of thing to search for the movies

If the user enters movie, hero, heroine then movies done by them together will be displayed
If the user enters director then movies directed by that director will be displayed



The screenshot shows a web application for searching movies. The background is a dense grid of movie posters. A white search form is centered on the screen. At the top of the form, there are two tabs: "SEARCH MOVIES" (highlighted in red) and "SEARCH SONGS". Below the tabs, the text "Let's start with the seaching for Movies" is displayed. The form contains five input fields arranged in two columns: "Movie", "Heroine", "Hero", "Director", and "Genre". A red "Submit" button is located at the bottom right of the form.

SEARCH MOVIES SEARCH SONGS

Let's start with the seaching for Movies

Movie Heroine


Hero Director

Genre

Submit

Search results for movies

Search Movie Results



Baahubali-1

Language: Telugu

Genre: Drama

Rating: 9.4

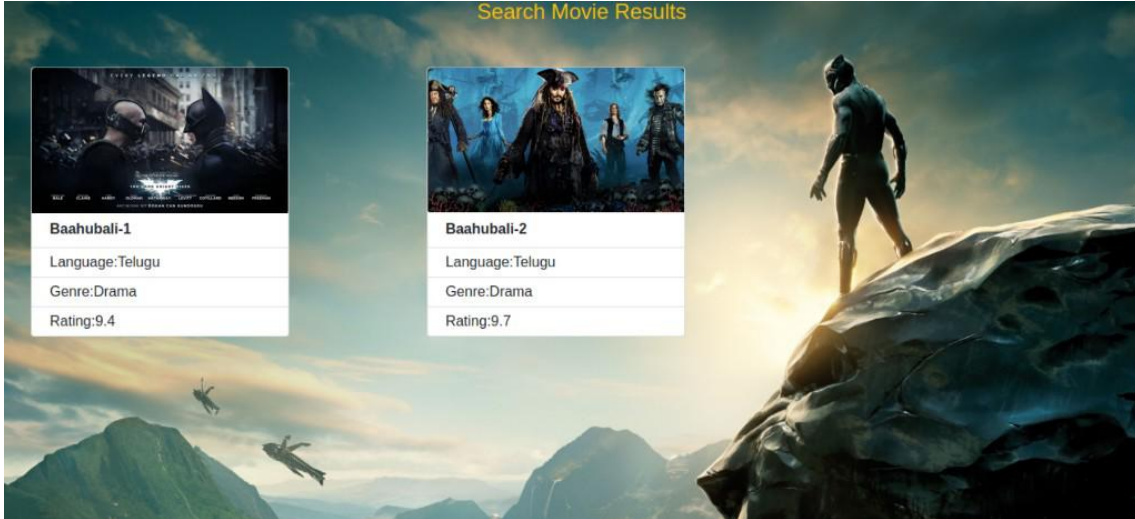


Baahubali-2

Language: Telugu

Genre: Drama

Rating: 9.7

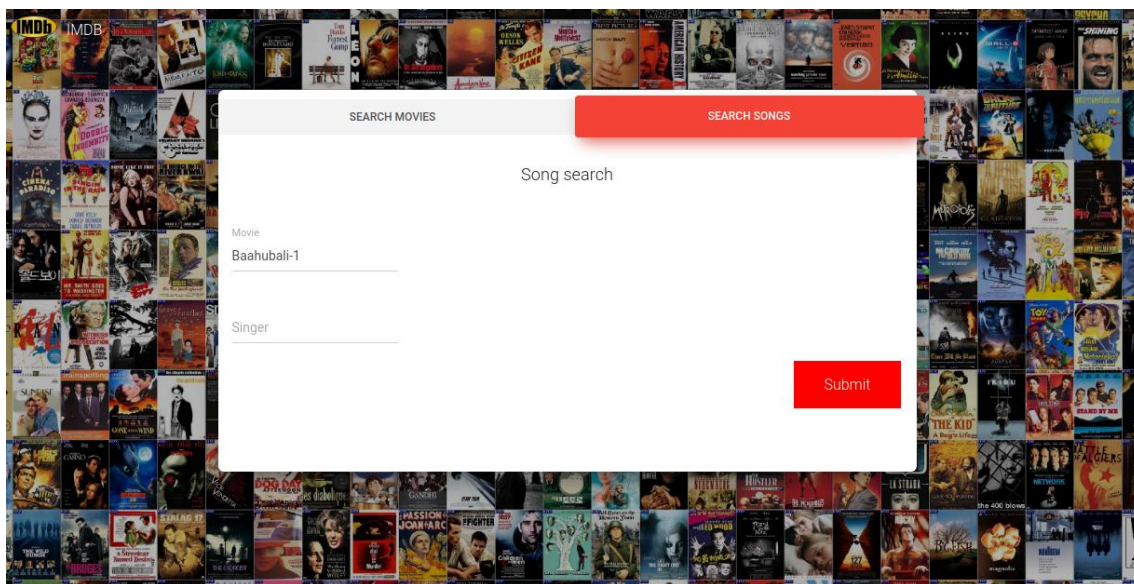


SONG SEARCH

Here we provide two input boxes (Movie and Singer) to the user

If the user enters only movie and clicks submit button, then the songs in that movie will be displayed

If the user enters both movie, singer and then clicks, then the songs sung by that singer in the movie will be displayed



The screenshot shows a web application interface for searching songs. The background is a dense grid of movie posters. In the center, there is a white search form with a red header bar containing two buttons: "SEARCH MOVIES" and "SEARCH SONGS". Below the header, the text "Song search" is displayed. The form has two input fields: "Movie" with the text "Baahubali-1" entered, and "Singer" which is currently empty. A red "Submit" button is located at the bottom right of the form.

IMPLEMENTING ROLES

Music Director

Here we assign Music Director role to the user

Then the user will be provided with three functionalities

He can add songs to the database

He can delete songs from the database

He can view the songs in the database

Welcome MusicDirector

INSERT SONGS DELETE SONGS VIEW TABLES TOGGLE CONTENT

Insert
Please fill in this form to insert a song

Movie

Song

Singer

INSERT

Delete
Please fill in this form to delete a song

Song

DELETE

IMDB database connected successfully

Movie Table

Id	Title
1	Baahubali-1
2	Baahubali-2
3	3-Idiots
4	Basha
5	Simhadri
6	Magadheera

Song Table

Id	Song Name
1	Deevara
2	SivuniAna
3	Dandalayya

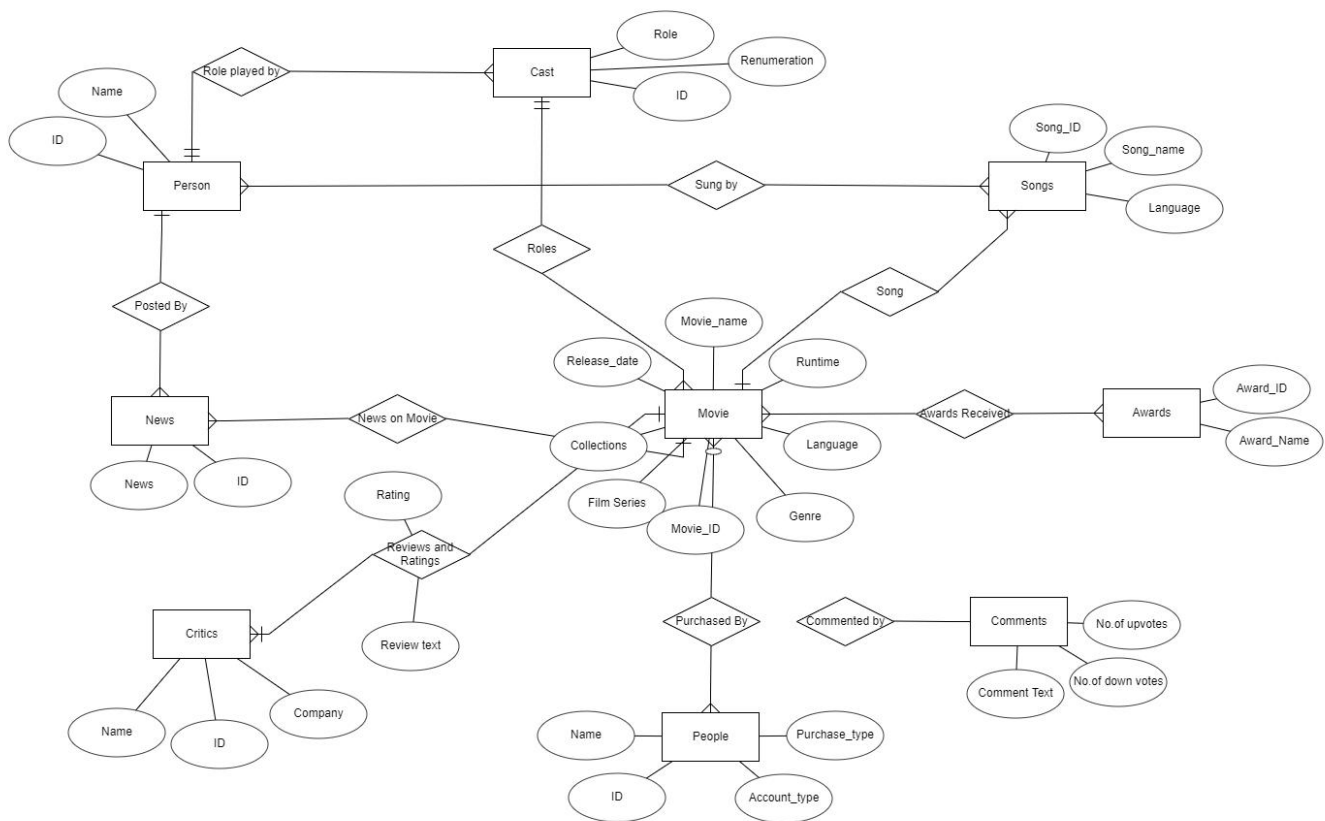
Singers Table

Id	Singer Name
1	Prabhas
2	Anushka
3	Rajamouli
4	Keeravani

Note: In the similar way, same theme is implemented for Journalist, Producer and Critic Pages

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ERD



BCNF FORM

Functional dependencies in our database are as follows:

1. Movie Table
 $\text{Movie_id} \longrightarrow \text{Title, Language, Genre, Rating, Film_series, Collection, Runtime, Release_Date}$
2. Person
 $\text{Person_id} \longrightarrow \text{Name}$
3. Critic
 $\text{Critic_id} \longrightarrow \text{Name, Company}$
4. People
 $\text{People_id} \longrightarrow \text{Name, Account_type, Purchase_type}$
5. Comments
 $\text{Comment_id} \longrightarrow \text{Comment, Upvotes, Downvotes}$
6. Awards
 $\text{Award_id} \longrightarrow \text{Award_name}$
7. Cast_crew
 $\text{Cast_crew_id, Role} \longrightarrow \text{Remuneration}$
8. Songs
 $\text{Song_id} \longrightarrow \text{Song_name}$
9. News
 $\text{News_id} \longrightarrow \text{News}$
10. Commented_by
 $\text{People_id, Movie_id} \longrightarrow \text{Comment_id}$

11. Purchased_by
People_id, Movie_id \longrightarrow People_id, Movie_id
12. Awards_received
People_id, Award_id \longrightarrow People_id, Award_id
13. Movie_songs
Song_id, Movie_id \longrightarrow Song_id, Movie_id
14. Sung_by
Song_id \longrightarrow Person_id
15. Role_Played_by
Cast_crew_id, Person_id \longrightarrow Role
16. Posted_by
Person_id, News_id \longrightarrow Person_id, News_id
17. NewsonMovie
News_id, Movie_id \longrightarrow News_id, Movie_id
18. Roles
Cast_crew_id, Movie_id \longrightarrow Cast_crew_id, Movie_id