Internet Movie DataBase Project

Sriharsha Gaddipati
K Vamsi Pramod
D Sudheer

IIT PALAKKAD

Professor:
Sahely Bhadra
Mrinal Kanti Das

INDICE

1

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

2

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 priviliges 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

3

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

4

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

5

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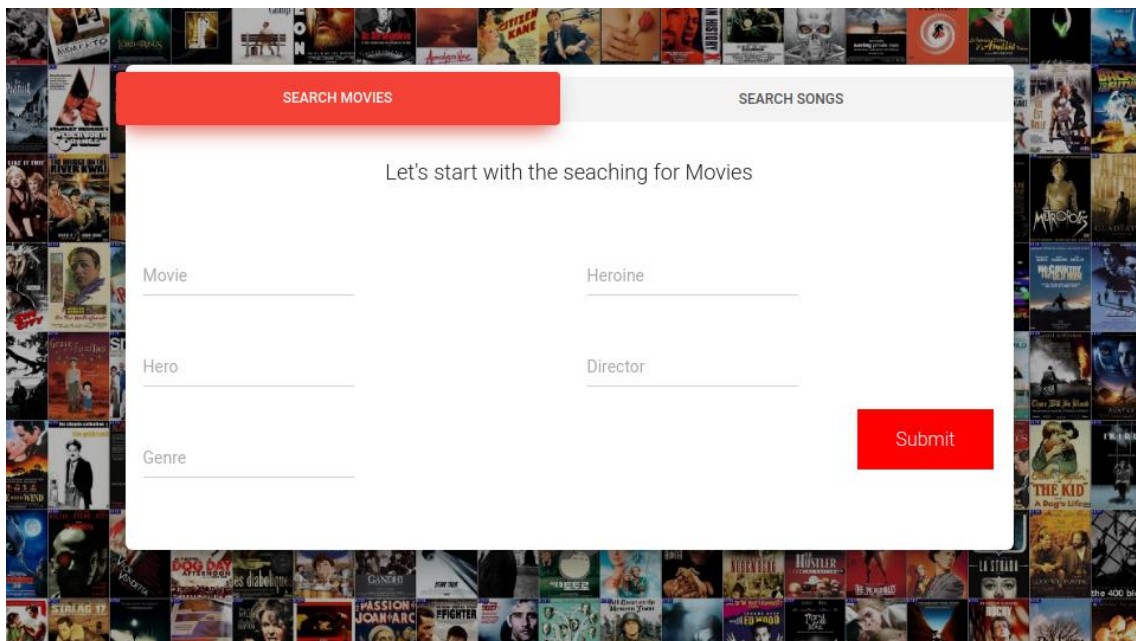 This procedure takes songname, singer as input and returns a table which contains songs

GUI Login and Register

7
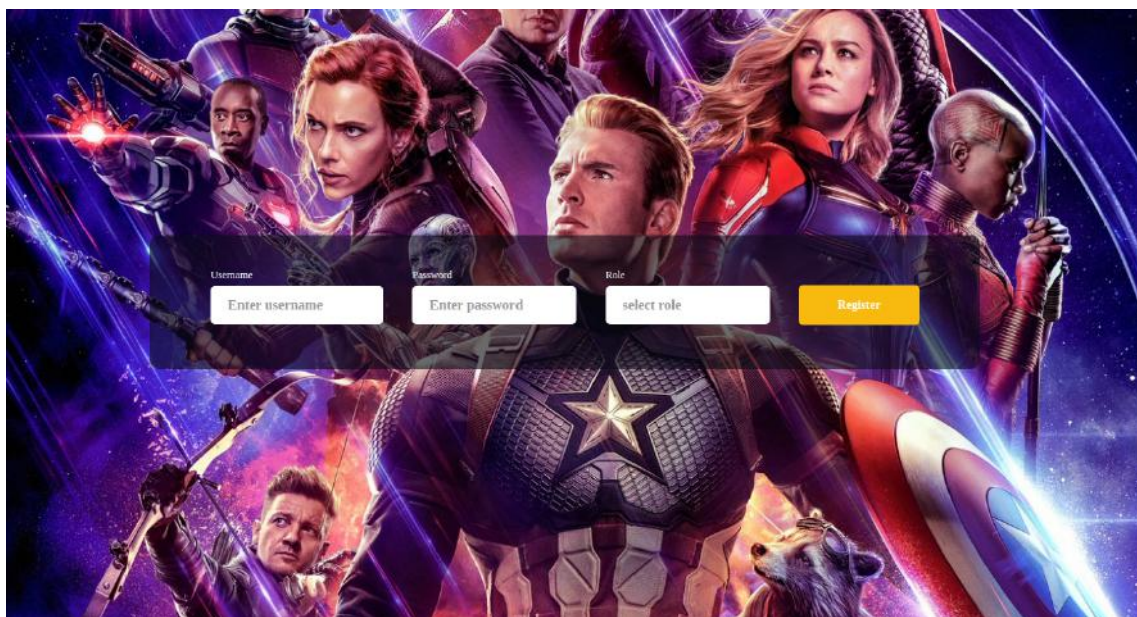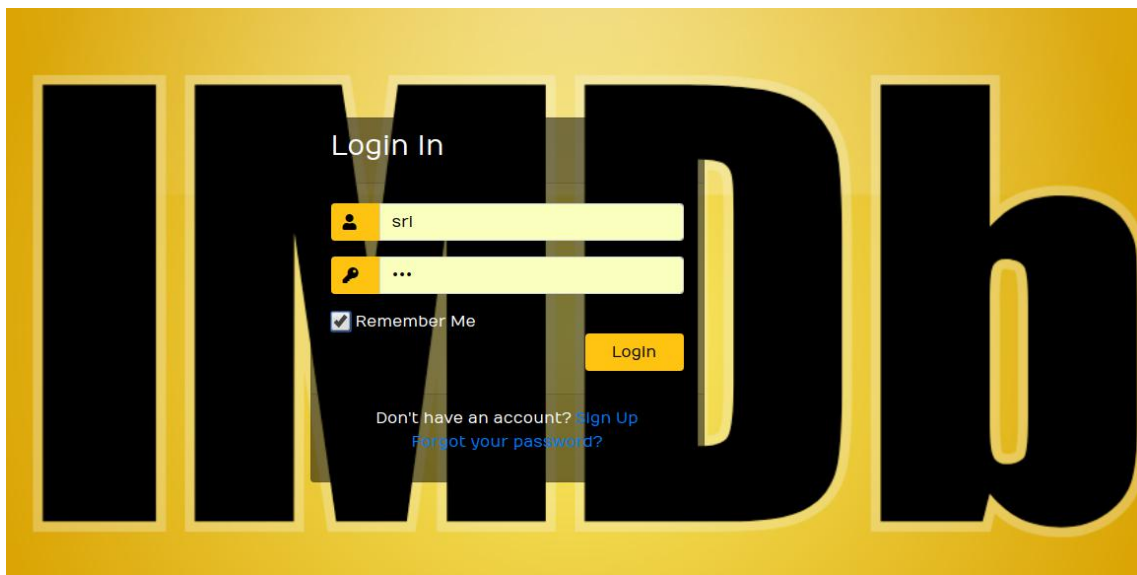
Movie Search

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
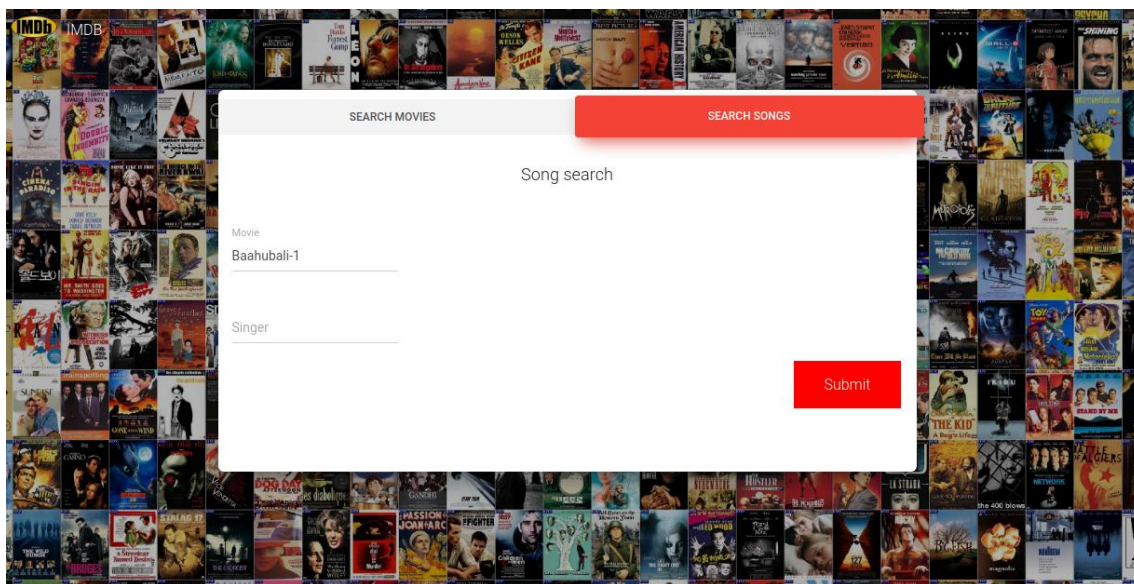
Search results for movies
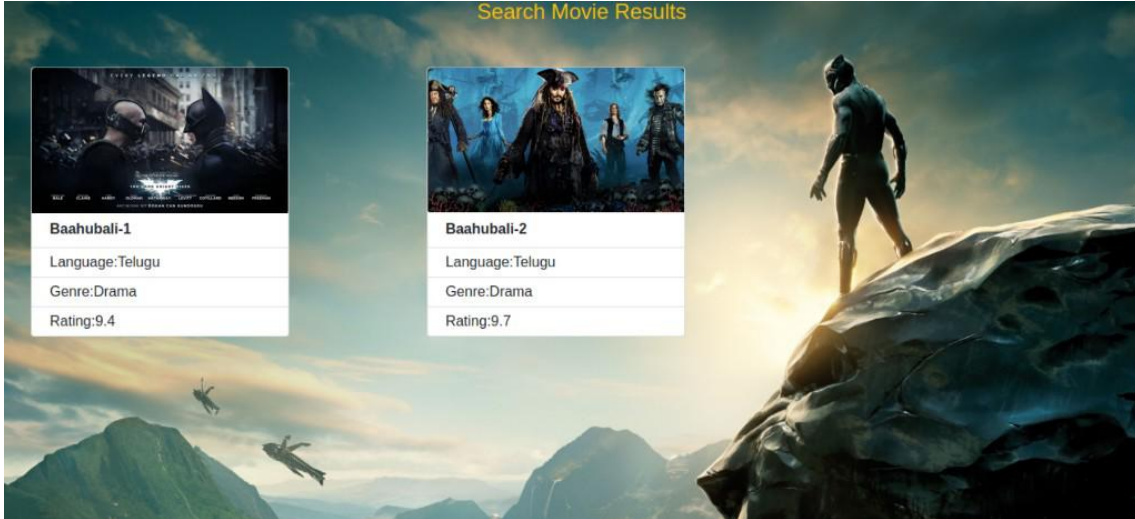
SONG SEARCH

Here we provide two input boxes (Movie aand 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 the songs sung by that singer in the movie will be displayed

9

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

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

ERD
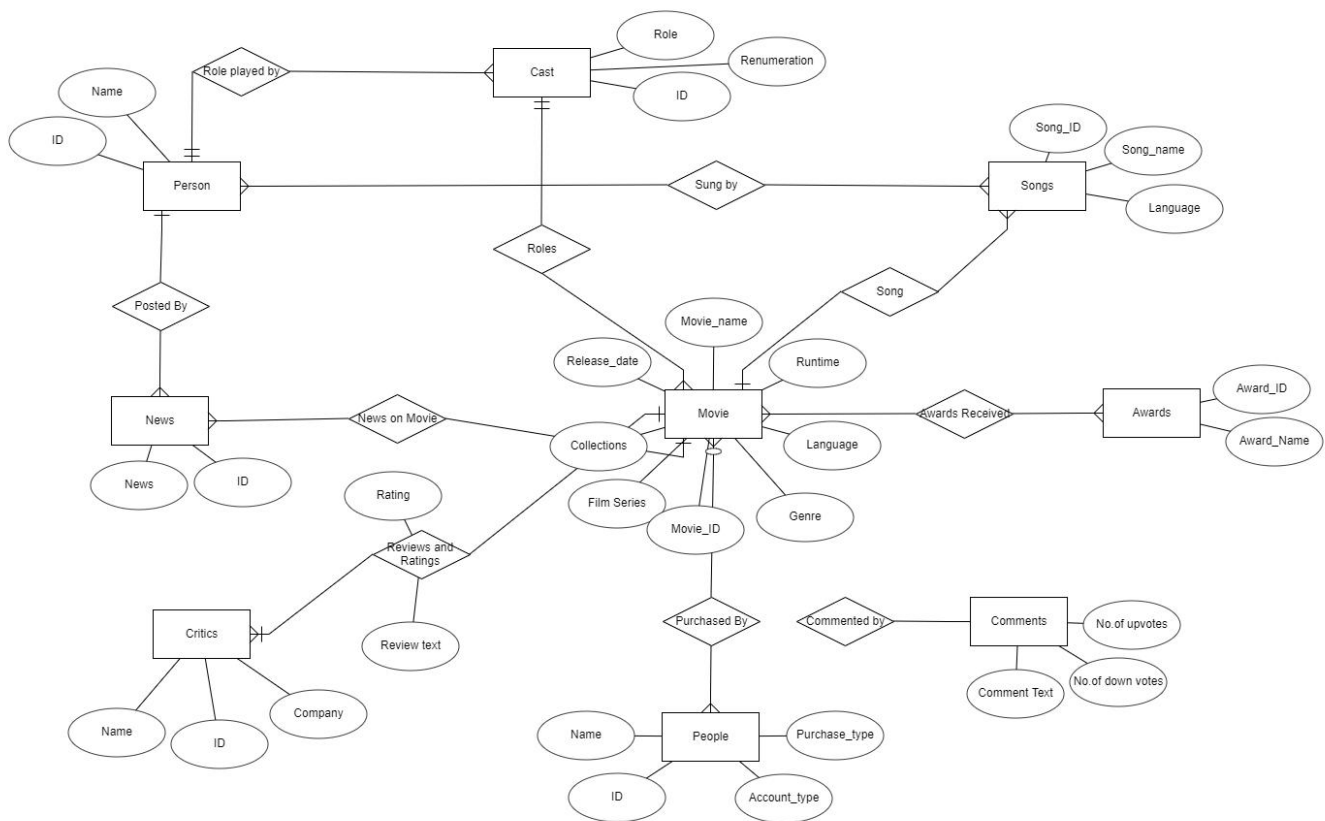
BCNF FORM

Functional dependencies in our database are as follows:

1. Movie Table

   Movie_id ⟶ Title, Language, Genre, Rating, Film_series, Collection, Runtime, Release_Date

2. Person

   Person_id ⟶ Name

3. Critic

   Critic_id ⟶ Name, Company

4. People

   People_id ⟶ Name, Account_type, Purchase_type

5. Comments

   Comment_id ⟶ Comment, Upvotes, Downvotes

6. Awards

   Award_id ⟶ Award_name

7. Cast_crew

   Cast_crew_id, Role ⟶ Remuneration

8. Songs

   Song_id ⟶ Song_name

9. News

   News_id ⟶ News

10. Commented_by

    People_id, Movie_id ⟶ 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