Final project

1. **Movie class**

public class Movie {

private int movie\_id;

private String movie\_name;

private String summary;

private String cast;

private String genre;

private float average\_rating;

private int user\_id;

public int getId() {

return movie\_id;

}

public String getMovie\_name() {

return movie\_name;

}

public void setMovie\_name(String movie\_name) {

this.movie\_name = movie\_name;

}

public String getSummary() {

return summary;

}

public void setSummary(String summary) {

this.summary = summary;

}

public String getCast() {

return cast;

}

public void setCast(String cast) {

this.cast = cast;

}

public String getGenre() {

return genre;

}

public void setGenre(String genre) {

this.genre = genre;

}

public float getAverage\_rating() {

return average\_rating;

}

public void setAverage\_rating(float average\_rating) {

this.average\_rating = average\_rating;

}

public int getUser\_id() {

return user\_id;

}

public Movie(int id, String movie\_name, String summary, String cast,

String genre, float average\_rating, int user\_id) {

this.movie\_id=id;

this.movie\_name = movie\_name;

this.summary = summary;

this.cast = cast;

this.genre = genre;

this.average\_rating = average\_rating;

this.user\_id = user\_id;

}

public Movie( String movie\_name, String summary, String cast,

String genre, float average\_rating, int user\_id) {

this.movie\_name = movie\_name;

this.summary = summary;

this.cast = cast;

this.genre = genre;

this.average\_rating = average\_rating;

this.user\_id = user\_id;

}

public Movie(){}

@Override

public String toString() {

return "Movie [id=" + movie\_id + ", movie\_name=" + movie\_name + ", summary="

+ summary + ", cast=" + cast + ", genre=" + genre

+ ", average\_rating=" + average\_rating + ", user\_id=" + user\_id

+ "]";

}

}

1. **User class**

public class Users {

private int user\_id;

private String user\_name;

private String email\_id;

public int getUser\_id() {

return user\_id;

}

public String getUser\_name() {

return user\_name;

}

public void setUser\_name(String user\_name) {

this.user\_name = user\_name;

}

public String getEmail\_id() {

return email\_id;

}

public void setEmail\_id(String email\_id) {

this.email\_id = email\_id;

}

public Users(int user\_id, String user\_name, String email\_id) {

super();

this.user\_id = user\_id;

this.user\_name = user\_name;

this.email\_id = email\_id;

}

public Users(){}

public String toString() {

return "Users [user\_id=" + user\_id + ", user\_name=" + user\_name

+ ", email\_id=" + email\_id + "]";

}

}

1. **Review Class**

public class Review {

private int review\_id;

private int movie\_id;

private String review;

private int user\_id;

public int getReview\_id() {

return review\_id;

}

public int getMovie\_id() {

return movie\_id;

}

public void setMovie\_id(int movie\_id) {

this.movie\_id = movie\_id;

}

public String getReview() {

return review;

}

public void setReview(String review) {

this.review = review;

}

public int getUser\_id() {

return user\_id;

}

@Override

public String toString() {

return "Review [review\_id=" + review\_id + ", movie\_id="

+ movie\_id + ", review=" + review + ", user\_id="

+ user\_id + "]";

}

public Review(int movie\_id, String review,

int user\_id) {

super();

this.movie\_id = movie\_id;

this.review = review;

this.user\_id = user\_id;

}

public Review(){}

}

1. **Rating Class**

public class Rating {

private int rating\_id;

private int movie\_id;

private int rating;

private int user\_id;

public int getRating\_id() {

return rating\_id;

}

public int getMovie\_id() {

return movie\_id;

}

public void setMovie\_id(int movie\_id) {

this.movie\_id = movie\_id;

}

public int getRating() {

return rating;

}

public void setRating(int rating) {

this.rating = rating;

}

public int getUser\_id() {

return user\_id;

}

@Override

public String toString() {

return "Rating [rating\_id=" + rating\_id + ", movie\_id=" + movie\_id

+ ", rating=" + rating + ", user\_id=" + user\_id + "]";

}

public Rating( int movie\_id, int rating, int user\_id) {

super();

this.movie\_id = movie\_id;

this.rating = rating;

this.user\_id = user\_id;

}

public Rating(){}

}

1. **MoviesDao Class**

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import java.util.ArrayList;

import java.util.List;

public class MoviesDao {

public MoviesDao(){

}

public int save(Movie m,Connection con)

{

Statement stmt;

int s=0;

try {

stmt = con.createStatement();

s = stmt.executeUpdate

("insert into Movie(movie\_name,summary,cast,genre,average\_rating,user\_id) values('" + m.getMovie\_name() + "', '"+m.getSummary() +"','"+m.getCast()

+"','"+ m.getGenre()+"',"+m.getAverage\_rating()+",'"+m.getUser\_id()+"')");

} catch (SQLException e1) {

}

return s;

}

public int update(Movie m,Connection con)

{

Statement stmt;

int s=0;

try {

stmt = con.createStatement();

s = stmt.executeUpdate

("Update Movie "

+ "set summary= '"+m.getSummary() +"',cast='"+m.getCast()

+"',genre='"+ m.getGenre()+"'" +"where movie\_id="+m.getId());

} catch (SQLException e1) {

}

return s;

}

public List<Movie> listMovie(Connection con){

List<Movie> moviess=new ArrayList<>();

try {

Statement stmt = con.createStatement();

ResultSet rs = stmt.executeQuery("select \* from Movie");

while (rs.next())

moviess.add(new Movie(rs.getInt(1),rs.getString(2),rs.getString(3), rs.getString(4), rs.getString(5), rs.getInt(6),rs.getInt(7)));

} catch (Exception e) {}

return moviess;

}

public List<Movie> listMovie(String movie,Connection con){

List<Movie>moviess=new ArrayList<>();

try {

Statement stmt = con.createStatement();

ResultSet rs = stmt.executeQuery("select \* from Movie where movie\_name ='"+movie+"'");

while (rs.next())

moviess.add(new Movie(rs.getInt(1),rs.getString(2),rs.getString(3), rs.getString(4), rs.getString(5), rs.getInt(6),rs.getInt(7)));

} catch (Exception e) {}

return moviess;

}

public List<Movie> listMoviebygenre(String genre,Connection con){

List<Movie>moviess=new ArrayList<>();

try {

Statement stmt = con.createStatement();

ResultSet rs = stmt.executeQuery("select \* from Movie where genre ='"+genre+"'");

while (rs.next())

moviess.add(new Movie(rs.getInt(1),rs.getString(2),rs.getString(3), rs.getString(4), rs.getString(5), rs.getFloat(6),rs.getInt(7)));

} catch (Exception e) {}

return moviess;

}

public List<String> top10genre(String genre,Connection con){

List<String> m=new ArrayList<>();

try{

Statement stmt=con.createStatement();

ResultSet rs=stmt.executeQuery("Select movie\_name from Movie where genre='"+genre+"' order by average\_rating desc limit 10");

while(rs.next()){

m.add(rs.getString(1));

}

}catch(Exception e){}

return m;

}

public List<String> top10Overall(Connection con){

List<String> m=new ArrayList<>();

try{

Statement stmt=con.createStatement();

ResultSet rs=stmt.executeQuery("Select movie\_name from Movie order by average\_rating desc limit 10");

while(rs.next()){

m.add(rs.getString(1));

}

}catch(Exception e){}

return m;

}

public int movieIdbyName(String name,Connection con){

Statement stmt;

int s=0;

try{

stmt=con.createStatement();

ResultSet x=stmt.executeQuery("Select movie\_id from Movie where movie\_name='"+name+"'");

while(x.next())

s=x.getInt(1);

return s;

}

catch(Exception e){}

return s;

}

public List<String> moviereview(String name,Connection con){

List<String>x=new ArrayList<>();

Statement stmt;

try{

stmt=con.createStatement();

ResultSet rs=stmt.executeQuery("Select Movie.movie\_name,Movie.summary,cast,"

+ "Movie.genre,Review.review from Movie Inner Join"

+ " Review on Movie.movie\_id=Review.movie\_id where movie\_name='"+name+"'");

String s1=null,s2=null,s3=null,s4=null,s5=null;

while(rs.next()){

s1=rs.getString(1);

s2=rs.getString(2);

s3=rs.getString(3);

s4=rs.getString(4);

s5=rs.getString(5);

}

x.add(s1);x.add(s2);x.add(s3);x.add(s4);x.add(s5);

}catch(Exception e2){}

return x;

}

}

1. **RatingDao**

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.Statement;

public class RatingDao {

public RatingDao(){

}

public int addrating (Rating rt,Connection con){

Statement stmt;

int s=0;

try{

stmt=con.createStatement();

s=stmt.executeUpdate("Insert into Rating(movie\_id,rating,user\_id) values("

+ rt.getMovie\_id()+","+rt.getRating()+","+rt.getUser\_id()+")" );

}

catch(Exception e){}

return s;

}

public int UpdateRating(int movie\_id,Connection con){

Statement stmt;

int s=0;

try{

stmt=con.createStatement();

s=stmt.executeUpdate("update Movie set average\_rating= (Select sum(rating)/count(rating\_id) "

+ "from Rating where movie\_id="+movie\_id+") where movie\_id="+movie\_id);

}catch(Exception e){}

return s;

}

}

1. **REview Dao**

import java.sql.Connection;

import java.sql.Statement;

public class ReviewsDao {

public ReviewsDao(){

}

public int addreview(Review r,Connection con){

Statement stmt;

int s=0;

try{

stmt=con.createStatement();

s=stmt.executeUpdate("Insert into Review(movie\_id,review,user\_id) values("

+ r.getMovie\_id()+",'"+r.getReview()+"',"+r.getUser\_id()+")" );

}

catch(Exception e){}

return s;

}

}

1. **UsersDao**

import java.sql.Connection;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import java.util.ArrayList;

import java.util.List;

public class UsersDao {

public UsersDao(){

}

public boolean isUser(String user,String email,Connection con){

Statement stmt;

try {

stmt=con.createStatement();

ResultSet rs=stmt.executeQuery("select user\_id from Users where email\_id='"+email+

"' and user\_name='"+user+"'");

if(rs.next())return true;

return false;

} catch (Exception e) {}

return false;

}

public List<Users> listUsers(Connection con){

List<Users> emps=new ArrayList<>();

try {

Statement stmt = con.createStatement();

ResultSet rs = stmt.executeQuery("select \* from Users");

while (rs.next())

emps.add(new Users(rs.getInt(1),rs.getString(2),rs.getString(3)));

} catch (Exception e) {}

return emps;

}

public int Users\_id(String user\_name,String email\_id,Connection con){

Statement stmt;

try {

stmt=con.createStatement();

ResultSet rs=stmt.executeQuery("select \* from Users where email\_id='"+email\_id+

"' and user\_name='"+user\_name+"'");

int a=0;

while(rs.next())a=rs.getInt(1);

return a;

} catch (SQLException e) {}

return -1;

}

}

1. **Main**

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.SQLException;

import java.util.List;

import java.util.Scanner;

public class Main {

public static void main(String[] args) throws SQLException {

Scanner sc=new Scanner(System.in);

Scanner sc2=new Scanner(System.in);

int menu=0;

MoviesDao m=new MoviesDao();

UsersDao user=new UsersDao();

ReviewsDao rev=new ReviewsDao();

RatingDao rat=new RatingDao();

int f1=0;

Connection con=null;

try {

Class.forName("com.mysql.jdbc.Driver");

con = DriverManager.getConnection(

"jdbc:mysql://localhost:3306/movies", "root", "pentanone12@");

}

catch(Exception e)

{}

while(true){

System.out.println("Welcome to movies and reviews" );

System.out.println("Enter 1 to add a new movie entry");

System.out.println("Enter 2 to edit a existing movie entry");

System.out.println("Enter 3 to add a review to a movie");

System.out.println("Enter 4 to rate a movie");

System.out.println("Enter 5 to view movie from any genre");

System.out.println("Enter 6 to view top 10 movies overall");

System.out.println("Enter 7 to view top 10 movies from a genre");

System.out.println("Enter 8 to search a movie by name");

System.out.println("Enter 9 to view details of a movie");

System.out.println("Enter any other number to exit");

menu=sc.nextInt();

if(menu>=1 && menu <=4){

System.out.println("please enter your username");

String u=sc2.nextLine();

System.out.println("please enter your email\_id");

String e=sc2.nextLine();

if(!user.isUser(u,e,con)){

System.out.println("You are not a user please enter a number between 5 to 10 ");

}

else{

System.out.println("Please enter the movie name");

String a1=sc2.nextLine();

int movie\_id=m.movieIdbyName(a1, con);

f1=user.Users\_id(u, e,con);

if(menu==1){

//done

System.out.println("Please enter the summary");

String a2=sc2.nextLine();

System.out.println("Please enter the cast");

String a3=sc2.nextLine();

System.out.println("Please enter the genre");

String a4=sc2.nextLine();

m.save(new Movie(a1,a2,a3,a4,0.0F,f1),con);

}

//done

else if(menu ==2){

System.out.println("Please enter the summary update");

String a2=sc2.nextLine();

System.out.println("Please enter the cast update ");

String a3=sc2.nextLine();

System.out.println("Please enter the genre update");

String a4=sc2.nextLine();

m.update(new Movie(movie\_id,a1,a2,a3,a4,0.0F,f1),con);

}

//done

else if(menu==3){

System.out.println("Please enter the review");

String a2=sc2.nextLine();

rev.addreview(new Review(movie\_id,a2,f1), con);

}

else{

System.out.println("Please give the rating");

int a2=sc2.nextInt();

rat.addrating(new Rating(movie\_id,a2,f1), con);

rat.UpdateRating(movie\_id, con);

}

}

}

//done

else if(menu==5){

System.out.println("Please enter the genre of the movie");

String g=sc2.nextLine();

List<Movie>mo=m.listMoviebygenre(g,con);

System.out.println(mo);

}

//done

else if(menu==6){

System.out.println("Top 10 movies overall are :");

List<String>mo=m.top10Overall(con);

System.out.println(mo);

}

//done

else if(menu==7){

System.out.println("Please enter the genre of the movie");

String g=sc2.nextLine();

System.out.println("Top 10 movies from the genre that you have entered are :");

List<String>mo=m.top10genre(g,con);

System.out.println(mo);

}

//done

else if(menu==8){

System.out.println("Please enter the name of the movie");

String x=sc2.nextLine();

System.out.println("Here are the details :");

List<Movie>r=m.listMovie(x,con);

System.out.println(r);

}

else if(menu==9){

System.out.println("Please enter the name of the movie");

String x=sc2.nextLine();

System.out.println("Here are the details :");

System.out.println(m.moviereview(x, con));

}

else {

con.close();

break;

}

}

}

}

**All the inputs**

Welcome to movies and reviews

Enter 1 to add a new movie entry

Enter 2 to edit a existing movie entry

Enter 3 to add a review to a movie

Enter 4 to rate a movie

Enter 5 to view movie from any genre

Enter 6 to view top 10 movies overall

Enter 7 to view top 10 movies from a genre

Enter 8 to search a movie by name

Enter 9 to view details of a movie

Enter any other number to exit

1

please enter your username

Sultan

please enter your email\_id

chc

You are not a user please enter a number between 5 to 10

Welcome to movies and reviews

Enter 1 to add a new movie entry

Enter 2 to edit a existing movie entry

Enter 3 to add a review to a movie

Enter 4 to rate a movie

Enter 5 to view movie from any genre

Enter 6 to view top 10 movies overall

Enter 7 to view top 10 movies from a genre

Enter 8 to search a movie by name

Enter 9 to view details of a movie

Enter any other number to exit

1

please enter your username

che1010

please enter your email\_id

che1010@gmail.com

Please enter the movie name

Sultan

Please enter the summary

Movie about a wrestler

Please enter the cast

Salman Khan,Anushka Sharma

Please enter the genre

Romance

Welcome to movies and reviews

Enter 1 to add a new movie entry

Enter 2 to edit a existing movie entry

Enter 3 to add a review to a movie

Enter 4 to rate a movie

Enter 5 to view movie from any genre

Enter 6 to view top 10 movies overall

Enter 7 to view top 10 movies from a genre

Enter 8 to search a movie by name

Enter 9 to view details of a movie

Enter any other number to exit

1

please enter your username

che1011

please enter your email\_id

che1011@gmail.com

Please enter the movie name

Dhoom

Please enter the summary

Story of a thief running from the police

Please enter the cast

john Abraham,Aishwariya Rai,Abhishek

Please enter the genre

Action

Welcome to movies and reviews

Enter 1 to add a new movie entry

Enter 2 to edit a existing movie entry

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Enter 4 to rate a movie

Enter 5 to view movie from any genre

Enter 6 to view top 10 movies overall

Enter 7 to view top 10 movies from a genre

Enter 8 to search a movie by name

Enter 9 to view details of a movie

Enter any other number to exit

1

please enter your username

che1012

please enter your email\_id

che1012@gmail.com

Please enter the movie name

Kargil

Please enter the summary

Story of Kargil war 1999

Please enter the cast

Sunny Deol,Suniel Shetty,Jackie Sharoff

Please enter the genre

Action

Welcome to movies and reviews

Enter 1 to add a new movie entry

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Enter 4 to rate a movie

Enter 5 to view movie from any genre

Enter 6 to view top 10 movies overall

Enter 7 to view top 10 movies from a genre

Enter 8 to search a movie by name

Enter 9 to view details of a movie

Enter any other number to exit

1

please enter your username

che1013

please enter your email\_id

che1013@gmail.com

Please enter the movie name

MS Dhoni

Please enter the summary

Biography of indian Captain ms dhoni

Please enter the cast

Sushank Singh Rajput,Kiara Advani

Please enter the genre

Biography

Welcome to movies and reviews

Enter 1 to add a new movie entry

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Enter 5 to view movie from any genre

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Enter 7 to view top 10 movies from a genre

Enter 8 to search a movie by name

Enter 9 to view details of a movie

Enter any other number to exit

1

please enter your username

che1014

please enter your email\_id

che1014@gmail.com

Please enter the movie name

Dangal

Please enter the summary

Story of two wrestler sisters

Please enter the cast

Ameer Khan,Fatima

Please enter the genre

Biography

Welcome to movies and reviews

Enter 1 to add a new movie entry

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Enter 7 to view top 10 movies from a genre

Enter 8 to search a movie by name

Enter 9 to view details of a movie

Enter any other number to exit

1

please enter your username

che1015

please enter your email\_id

che1015@gmail.com

Please enter the movie name

Jaadugar

Please enter the summary

Story of A magician

Please enter the cast

Jeetendra kumar

Please enter the genre

Comedy

Welcome to movies and reviews

Enter 1 to add a new movie entry

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Enter 5 to view movie from any genre

Enter 6 to view top 10 movies overall

Enter 7 to view top 10 movies from a genre

Enter 8 to search a movie by name

Enter 9 to view details of a movie

Enter any other number to exit

1

please enter your username

che1016

please enter your email\_id

che1016@gmail.com

Please enter the movie name

Dhoom 2

Please enter the summary

Story of a thief and sequel of Dhoom

Please enter the cast

Abhsihek,Vivek,shilpa

Please enter the genre

Action

Welcome to movies and reviews

Enter 1 to add a new movie entry

Enter 2 to edit a existing movie entry

Enter 3 to add a review to a movie

Enter 4 to rate a movie

Enter 5 to view movie from any genre

Enter 6 to view top 10 movies overall

Enter 7 to view top 10 movies from a genre

Enter 8 to search a movie by name

Enter 9 to view details of a movie

Enter any other number to exit

1

please enter your username

che1017

please enter your email\_id

che1017@gmail.com

Please enter the movie name

Dhoom 3

Please enter the summary

Sequel of Dhoom 2

Please enter the cast

Ameer,Abhishek

Please enter the genre

Action

Welcome to movies and reviews

Enter 1 to add a new movie entry

Enter 2 to edit a existing movie entry

Enter 3 to add a review to a movie

Enter 4 to rate a movie

Enter 5 to view movie from any genre

Enter 6 to view top 10 movies overall

Enter 7 to view top 10 movies from a genre

Enter 8 to search a movie by name

Enter 9 to view details of a movie

Enter any other number to exit

1

please enter your username

che1018

please enter your email\_id

che1018@gmail.com

Please enter the movie name

Bahubali

Please enter the summary

It is a story of a king finding his reality

Please enter the cast

Prabhas,Anushka Shetty

Please enter the genre

Action

Welcome to movies and reviews

Enter 1 to add a new movie entry

Enter 2 to edit a existing movie entry

Enter 3 to add a review to a movie

Enter 4 to rate a movie

Enter 5 to view movie from any genre

Enter 6 to view top 10 movies overall

Enter 7 to view top 10 movies from a genre

Enter 8 to search a movie by name

Enter 9 to view details of a movie

Enter any other number to exit

1

please enter your username

che1019

please enter your email\_id

che1019@gmail.com

Please enter the movie name

Bahubali 2

Please enter the summary

Sequel of Bahubali

Please enter the cast

Prabhas,Anushka SHetty

Please enter the genre

Action

Welcome to movies and reviews

Enter 1 to add a new movie entry

Enter 2 to edit a existing movie entry

Enter 3 to add a review to a movie

Enter 4 to rate a movie

Enter 5 to view movie from any genre

Enter 6 to view top 10 movies overall

Enter 7 to view top 10 movies from a genre

Enter 8 to search a movie by name

Enter 9 to view details of a movie

Enter any other number to exit

1

please enter your username

che1020

please enter your email\_id

che1020@gmail.com

Please enter the movie name

ShawShank Redemption

Please enter the summary

Story of a jailBreak

Please enter the cast

Leonardo,Vinci

Please enter the genre

JailBreak

Welcome to movies and reviews

Enter 1 to add a new movie entry

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Enter 5 to view movie from any genre

Enter 6 to view top 10 movies overall

Enter 7 to view top 10 movies from a genre

Enter 8 to search a movie by name

Enter 9 to view details of a movie

Enter any other number to exit

2

please enter your username

che1010@gmail.com

please enter your email\_id

che1010@gmai

You are not a user please enter a number between 5 to 10

Welcome to movies and reviews

Enter 1 to add a new movie entry

Enter 2 to edit a existing movie entry

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Enter 4 to rate a movie

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Enter 6 to view top 10 movies overall

Enter 7 to view top 10 movies from a genre

Enter 8 to search a movie by name

Enter 9 to view details of a movie

Enter any other number to exit

2

please enter your username

che1010@gmail.com

please enter your email\_id

ch

You are not a user please enter a number between 5 to 10

Welcome to movies and reviews

Enter 1 to add a new movie entry

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Enter 7 to view top 10 movies from a genre

Enter 8 to search a movie by name

Enter 9 to view details of a movie

Enter any other number to exit

2

please enter your username

che1010

please enter your email\_id

che1010@gmail.com

Please enter the movie name

Sultan

Please enter the summary update

Story of wrestler finding his wife and playing

Please enter the cast update

Salman Khan,Anushka

Please enter the genre update

Romance

Welcome to movies and reviews

Enter 1 to add a new movie entry

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Enter any other number to exit

3

please enter your username

che1010@gmail.com

please enter your email\_id

ch

You are not a user please enter a number between 5 to 10

Welcome to movies and reviews

Enter 1 to add a new movie entry

Enter 2 to edit a existing movie entry

Enter 3 to add a review to a movie

Enter 4 to rate a movie

Enter 5 to view movie from any genre

Enter 6 to view top 10 movies overall

Enter 7 to view top 10 movies from a genre

Enter 8 to search a movie by name

Enter 9 to view details of a movie

Enter any other number to exit

3

please enter your username

che1010

please enter your email\_id

che1010@gmail.com

Please enter the movie name

Sultan

Please enter the review

Good

Welcome to movies and reviews

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4

please enter your username

che1010@gmail.com