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MovieReviewApp

MovieReview.java

import java.util.Scanner;

import JdbcPkg.MovieDAO;

import JdbcPkg.ReviewAndRatingDAO;

import JdbcPkg.UserDAO;

import entities.Movie;

import entities.ReviewAndRating;

import entities.User;

//Create table movies (id INT Auto\_increment NOT NULL Primary Key, title varchar(100) Not Null,summary varchar(500),cast varchar(200),genres varchar(200),userId int, FOREIGN KEY (userId) REFERENCES users(id) );

//Create table ReviewAngRating (id INT Auto\_increment NOT NULL Primary Key,review varchar(200),Rating int , movieaiad int not Null,userId int, FOREIGN KEY (userId) REFERENCES users(id))

//Create table users(id int Auto\_increment NOT NULL Primary Key, name varchar(100) Not Null,emailId varchar(100) Not Null Unique )

public class MovieReview {

public static void main(String[] args) {

System.out.println("Hii");

UserDAO userdao = new UserDAO();

MovieDAO moviedao = new MovieDAO();

ReviewAndRatingDAO rdao = new ReviewAndRatingDAO();

Scanner sc = new Scanner(System.in);

while (true) {

System.out.println("Press 1 to add new user");

System.out.println("Press 2 to add new movie");

System.out.println("Press 3 to add new review or rate a movie");

System.out.println("Press 4 to print movies");

System.out.println("Press 5 to update summary details oof movie");

System.out.println("Press 6 to view reviews for a movie");

System.out.println("Press 7 to see all details of a movie");

System.out.println("Press 8 to view top 10 movies based on rating");

System.out.println("Press 9 to exit");

int x = sc.nextInt();

if (x == 1) {

System.out.println("Enter your name:");

String name = sc.next();

System.out.println("Enter your email:");

String email = sc.next();

int save = userdao.save(new User(name, email));

if (save == 1)

System.out.println("Success");

else

System.out.println("Email id already exists");

} else if (x == 2) {

System.out.println("Enter your registered email:");

String email = sc.next();

int id = userdao.find(email);

if (id != 0) {

System.out.println("Enter movie title:");

String title = sc.next();

System.out.println(("Enter summary:"));

String summary = sc.nextLine();

summary = sc.nextLine();

System.out.println("Enter genres:");

String genres = sc.next();

System.out.println("Enter lead cast:");

String cast = sc.next();

int save = moviedao.save(new Movie(title, summary, genres, cast, id));

if (save == 1)

System.out.println("Success!!");

else

System.out.println("Something went wrong, Please try again");

} else

System.out.println("Email id doesn't exist. Please try again!");

}

if (x == 3) {

System.out.println("Enter your email:");

String email = sc.next();

int userid = userdao.find(email);

if (userid == 0) {

System.out.println("Please register and come again?");

continue;

}

System.out.println("Enter title of movie:");

String title = sc.next();

int movieid = moviedao.find(title);

if (movieid == 0) {

System.out.println("Sorry movie does not exists.");

continue;

}

System.out.println("Please give ur valuable reviews.");

String review = sc.nextLine();

review = sc.nextLine();

System.out.println("Please rate our movie in the scale of 1-5 :");

int rating = sc.nextInt();

int save = rdao.save(new ReviewAndRating(review, rating, movieid, userid));

if (save == 1)

System.out.println("Success!");

else

System.out.println("Something went wrong Please try again!");

} else if (x == 4) {

System.out.println(moviedao.listMovie());

} else if (x == 5) {

System.out.println("Enter your registered email:");

String email = sc.next();

int id = userdao.find(email);

if (id == 0) {

System.out.println("Not a valid user!");

continue;

}

System.out.println("Enter title of movie:");

String title = sc.next();

int movieid = moviedao.find(title);

if (movieid == 0) {

System.out.println("Movie does not exist");

continue;

}

System.out.println("Enter summary of movie:");

String summary = sc.nextLine();

summary = sc.nextLine();

int update = moviedao.update(title, summary);

if (update == 1)

System.out.println("Success");

else

System.out.println("omething went wroong!");

} else if (x == 6) {

System.out.println("Enter title of movie:");

String title = sc.next();

int id = moviedao.find(title);

if (id == 0) {

System.out.println("Movie does not exists");

continue;

}

System.out.println(rdao.find(id));

} else if (x == 7) {

System.out.println("Enter title of movie:");

String title = sc.next();

int id = moviedao.find(title);

if (id == 0) {

System.out.println("Movie does not exist.");

continue;

}

moviedao.detail(id);

} else if (x == 8) {

rdao.top10();

} else if (x == 9) {

break;

} else

System.out.println("Please enter correct choice.");

}

System.out.println("Thank You");

sc.close();

}

}

Movie.java

package entities;

public class Movie {

int id;

private String title,summary,genres,cast;

int userId;

public int getId() {

return id;

}

public void setId(int id) {

this.id = id;

}

public String getTitle() {

return title;

}

public void setTitle(String title) {

this.title = title;

}

public String getSummary() {

return summary;

}

public void setSummary(String summary) {

this.summary = summary;

}

public String getGenres() {

return genres;

}

public void setGenres(String genres) {

this.genres = genres;

}

public String getCast() {

return cast;

}

public void setCast(String cast) {

this.cast = cast;

}

public int getUserId() {

return userId;

}

public void setUserId(int userId) {

this.userId = userId;

}

public Movie(String title, String summary, String genres, String cast, int userId) {

super();

this.title = title;

this.summary = summary;

this.genres = genres;

this.cast = cast;

this.userId = userId;

}

@Override

public String toString() {

return "Movie [id=" + id + ", title=" + title + ", summary=" + summary + ", genres=" + genres + ", cast=" + cast

+ ", userId=" + userId + "]";

}

}

ReviewAndRating.java

package entities;

public class ReviewAndRating {

private int id;

public int getId() {

return id;

}

public void setId(int id) {

this.id = id;

}

public String getReview() {

return review;

}

public void setReview(String review) {

this.review = review;

}

public int getRating() {

return rating;

}

public void setRating(int rating) {

this.rating = rating;

}

public int getMovieId() {

return movieId;

}

public void setMovieId(int movieId) {

this.movieId = movieId;

}

public int getUserId() {

return userId;

}

public void setUserId(int userId) {

this.userId = userId;

}

private String review;

private int rating;

private int movieId;

private int userId;

@Override

public String toString() {

return "ReviewAndRating [review=" + review + ", rating=" + rating + ", movieId=" + movieId + ", userId="

+ userId + "]";

}

public ReviewAndRating(String review, int rating, int movieId, int userId) {

super();

this.review = review;

this.rating = rating;

this.movieId = movieId;

this.userId = userId;

}

}

User.java

package entities;

public class User {

private int id;

private String name;

private String emailId;

@Override

public String toString() {

return "User [id=" + id + ", name=" + name + ", emailId=" + emailId + "]";

}

public int getId() {

return id;

}

public void setId(int id) {

this.id = id;

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public String getEmailId() {

return emailId;

}

public void setEmailId(String emailId) {

this.emailId = emailId;

}

public User(String name, String emailId) {

this.name = name;

this.emailId = emailId;

}

public User() {

}

}

MovieDAO.java

package JdbcPkg;

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;

import entities.Movie;

public class MovieDAO {

Connection con;

public MovieDAO() {

con = null;

try {

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

con = DriverManager.getConnection("jdbc:mysql://localhost:3306/javadb", "root", "password");

// here javadb is database name, root is username and password

} catch (Exception e) {

}

}

public int save(Movie e) {

Statement stmt;

int s = 0;

try {

stmt = con.createStatement();

s = stmt.executeUpdate("insert into Movies(`title`,`summary`,`cast`,`genres`,`userId`) values('"

+ e.getTitle() + "','" + e.getSummary() + "', '" + e.getCast() + "','" + e.getGenres() + "',"

+ e.getUserId() + ")");

} catch (SQLException e1) {

}

return s;

}

public int update(String title, String summary) {

Statement stmt;

int s = 0;

try {

stmt = con.createStatement();

s = stmt.executeUpdate("Update Movies set summary ='" + summary + "' where title='" + title + "'");

} catch (SQLException e1) {

}

return s;

}

public List<Movie> listMovie() {

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

try {

Statement stmt = con.createStatement();

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

while (rs.next())

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

} catch (Exception e) {

}

return movies;

}

public int find(String title) {

int x = 0;

try {

Statement stmt = con.createStatement();

ResultSet rs = stmt.executeQuery("select id from Movies where title='" + title + "'");

while (rs.next())

x = rs.getInt(1);

} catch (Exception e) {

}

return x;

}

public void detail(int id) {

try {

Statement stmt = con.createStatement();

ResultSet rs = stmt.executeQuery("select \* from Movies where id=" + id);

while (rs.next())

System.out.println(

new Movie(rs.getString(2), rs.getString(3), rs.getString(5), rs.getString(4), rs.getInt(6)));

ResultSet rs1 = stmt.executeQuery("select \* from ReviewAndRating where movieId=" + id);

while (rs1.next())

System.out.println("Review:" + rs1.getString(2) + " Rating:" + rs1.getInt(3));

} catch (Exception e) {

}

}

public void finalise() {

try {

con.close();

} catch (SQLException e) {

}

}

}

ReviewAndRatingDAO.java

package JdbcPkg;

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;

import entities.ReviewAndRating;

public class ReviewAndRatingDAO {

Connection con;

public ReviewAndRatingDAO() {

con = null;

try {

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

con = DriverManager.getConnection("jdbc:mysql://localhost:3306/javadb", "root", "password");

// here javadb is database name, root is username and password

} catch (Exception e) {

}

}

public int save(ReviewAndRating e) {

Statement stmt;

int s = 0;

try {

stmt = con.createStatement();

s = stmt.executeUpdate("insert into ReviewAndRating(`review`,`rating`,`movieId`,`userId`) values('"

+ e.getReview() + "','" + e.getRating() + "', " + e.getMovieId() + "," + e.getUserId() + ")");

} catch (SQLException e1) {

}

return s;

}

public List<String> find(int movieId) {

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

try {

Statement stmt = con.createStatement();

ResultSet rs = stmt.executeQuery("select review from ReviewAndRating where movieId=" + movieId);

while (rs.next())

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

} catch (Exception e) {

}

return l;

}

public void top10() {

try {

Statement stmt = con.createStatement();

ResultSet rs = stmt.executeQuery(

"select title,avg(rating) as Rating from movies right join reviewandrating on movies.id=movieId group by movieId order by Rating desc limit 10");

while (rs.next())

System.out.println(rs.getString(1) + " " + rs.getDouble(2));

} catch (Exception e) {

}

}

public void finalise() {

try {

con.close();

} catch (SQLException e) {

}

}

}

UserDAO.java

package JdbcPkg;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import entities.User;

public class UserDAO {

Connection con;

public UserDAO() {

con = null;

try {

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

con = DriverManager.getConnection("jdbc:mysql://localhost:3306/javadb", "root", "password");

// here javadb is database name, root is username and password

} catch (Exception e) {

}

}

public int save(User e) {

Statement stmt;

int s = 0;

try {

stmt = con.createStatement();

s = stmt.executeUpdate(

"insert into Users(`name`,`emailId`) values('" + e.getName() + "', '" + e.getEmailId() + "')");

} catch (SQLException e1) {

}

return s;

}

public int find(String email) {

int x = 0;

try {

Statement stmt = con.createStatement();

ResultSet rs = stmt.executeQuery("select id from Users where emailId='" + email + "' ");

while (rs.next())

x = (rs.getInt(1));

} catch (Exception e) {

}

return x;

}

public void finalise() {

try {

con.close();

} catch (SQLException e) {

}

}

}

Output:

Hii

Loading class `com.mysql.jdbc.Driver'. This is deprecated. The new driver class is `com.mysql.cj.jdbc.Driver'. The driver is automatically registered via the SPI and manual loading of the driver class is generally unnecessary.

Press 1 to add new user

Press 2 to add new movie

Press 3 to add new review or rate a movie

Press 4 to print movies

Press 5 to update summary details oof movie

Press 6 to view reviews for a movie

Press 7 to see all details of a movie

Press 8 to view top 10 movies based on rating

Press 9 to exit

1

Enter your name:

Ashutosh

Enter your email:

ashutosh@gmailcom

Success

Please enter correct choice.

Press 1 to add new user

Press 2 to add new movie

Press 3 to add new review or rate a movie

Press 4 to print movies

Press 5 to update summary details oof movie

Press 6 to view reviews for a movie

Press 7 to see all details of a movie

Press 8 to view top 10 movies based on rating

Press 9 to exit

2

Enter your registered email:

ashutosh@gmail.com

Email id doesn't exist. Please try again!

Press 1 to add new user

Press 2 to add new movie

Press 3 to add new review or rate a movie

Press 4 to print movies

Press 5 to update summary details oof movie

Press 6 to view reviews for a movie

Press 7 to see all details of a movie

Press 8 to view top 10 movies based on rating

Press 9 to exit

2

Enter your registered email:

ashutosh@gmailcom

Enter movie title:

Rocketey

Enter summary:

It is based on biography of our gr8 scientist Nambi Narayanan.

Enter genres:

Documentry-type

Enter lead cast:

R.madhavan

Success!!

Press 1 to add new user

Press 2 to add new movie

Press 3 to add new review or rate a movie

Press 4 to print movies

Press 5 to update summary details oof movie

Press 6 to view reviews for a movie

Press 7 to see all details of a movie

Press 8 to view top 10 movies based on rating

Press 9 to exit

3

Enter your email:

ashutosh@gmailcom

Enter title of movie:

Rocketry

Sorry movie does not exists.

Press 1 to add new user

Press 2 to add new movie

Press 3 to add new review or rate a movie

Press 4 to print movies

Press 5 to update summary details oof movie

Press 6 to view reviews for a movie

Press 7 to see all details of a movie

Press 8 to view top 10 movies based on rating

Press 9 to exit

3

Enter your email:

ashutosh@gmailcom

Enter title of movie:

Rocketey

Please give ur valuable reviews.

It was really an inspiring movie

Please rate our movie in the scale of 1-5 :

5

Success!

Press 1 to add new user

Press 2 to add new movie

Press 3 to add new review or rate a movie

Press 4 to print movies

Press 5 to update summary details oof movie

Press 6 to view reviews for a movie

Press 7 to see all details of a movie

Press 8 to view top 10 movies based on rating

Press 9 to exit

4

[Movie [id=0, title=Mahakaal, summary=Superb, Outstanding, genres=Lord, cast=Ajay Devgan, userId=1], Movie [id=0, title=harry, summary=, genres=aresome, cast=Aamir, userId=4], Movie [id=0, title=demon, summary=its an awesome movie which include fight thrill action etc., genres=fantastic, cast=Akshay, userId=1], Movie [id=0, title=Rocketey, summary=It is based on biography of our gr8 scientist Nambi Narayanan., genres=Documentry-type, cast=R.madhavan, userId=6]]

Press 1 to add new user

Press 2 to add new movie

Press 3 to add new review or rate a movie

Press 4 to print movies

Press 5 to update summary details oof movie

Press 6 to view reviews for a movie

Press 7 to see all details of a movie

Press 8 to view top 10 movies based on rating

Press 9 to exit

5

Enter your registered email:

ashutosh@gmailcom

Enter title of movie:

Rocketey

Enter summary of movie:

TIt was an inspiring movie as stated earlier of the gr8 scientist Nambi Narayanan.

Success

Press 1 to add new user

Press 2 to add new movie

Press 3 to add new review or rate a movie

Press 4 to print movies

Press 5 to update summary details oof movie

Press 6 to view reviews for a movie

Press 7 to see all details of a movie

Press 8 to view top 10 movies based on rating

Press 9 to exit

6

Enter title of movie:

Rocketey

[It was really an inspiring movie]

Press 1 to add new user

Press 2 to add new movie

Press 3 to add new review or rate a movie

Press 4 to print movies

Press 5 to update summary details oof movie

Press 6 to view reviews for a movie

Press 7 to see all details of a movie

Press 8 to view top 10 movies based on rating

Press 9 to exit

7

Enter title of movie:

Rocketey

Movie [id=0, title=Rocketey, summary=TIt was an inspiring movie as stated earlier of the gr8 scientist Nambi Narayanan., genres=Documentry-type, cast=R.madhavan, userId=6]

Review:It was really an inspiring movie Rating:5

Press 1 to add new user

Press 2 to add new movie

Press 3 to add new review or rate a movie

Press 4 to print movies

Press 5 to update summary details oof movie

Press 6 to view reviews for a movie

Press 7 to see all details of a movie

Press 8 to view top 10 movies based on rating

Press 9 to exit

8

Mahakaal 5.0

Rocketey 5.0

harry 4.5

demon 3.0

Press 1 to add new user

Press 2 to add new movie

Press 3 to add new review or rate a movie

Press 4 to print movies

Press 5 to update summary details oof movie

Press 6 to view reviews for a movie

Press 7 to see all details of a movie

Press 8 to view top 10 movies based on rating

Press 9 to exit

9

Thank You