

Ahutosh Bhalothia

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`,`movied`,`userId`) values("
            + e.getReview() + "," + e.getRating() + "," + " +
e.getMovied() + "," + e.getUserId() + ")");
        } catch (SQLException e1) {
        }
        return s;
    }

    public List<String> find(int movied) {
        List<String> l = new ArrayList<String>();
        try {
            Statement stmt = con.createStatement();
            ResultSet rs = stmt.executeQuery("select review from ReviewAndRating
where movied=" + movied);
            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=movied group by movied 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 of 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@gmail.com
Enter title of movie:

Rocketey

Please give us 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 of 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=awesome, 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 of 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:

TIIt 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=TIIt 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