**package** com.jspiders.multiplayercasestudy.casestudy;

**import** java.sql.PreparedStatement;

**import** java.sql.ResultSet;

**import** java.sql.SQLException;

**import** java.util.Scanner;

**import** com.jspiders.multiplayercasestudy.main.SongApp;

**public** **class** SongOperation {

**private** **static** SongApp *songApp*;

**private** **static** Scanner *scanner*=**new** Scanner(System.***in***);

**private** **static** PreparedStatement *preparedStatement*;

**private** **static** **int** *result*;

**private** **static** ResultSet *resultSet*;

**public** SongOperation(SongApp obj)

{

**this**.*songApp*=obj;

}

//Default no argument constructor

**public** SongOperation()

{

}

**public** **void** createSong() **throws** SQLException

{

System.***out***.println("=========TO create song enter below details===========");

System.***out***.println("Enter the song ID: ");

**int** id=*scanner*.nextInt();

System.***out***.println("Enter the Song Name:\n ");

String name=*scanner*.nextLine();

System.***out***.println("Enter the Artist Name: \n");

String artist=*scanner*.nextLine();

System.***out***.println("Enter the song duration: \n");

**double** duration=*scanner*.nextDouble();

System.***out***.println("Enter the albulm name: \n");

String album=*scanner*.nextLine();

*preparedStatement*=*songApp*.getConnection().prepareStatement(*songApp*.getProperties().getProperty("createquery"));

*preparedStatement*.setInt(1, id);

*preparedStatement*.setString(2, name);

*preparedStatement*.setString(3, artist);

*preparedStatement*.setString(4, album);

*preparedStatement*.setDouble(5, duration);

**int** result=*preparedStatement*.executeUpdate();

System.***out***.println(name +" is created succesfully");

}

// public void createPlayList() throws SQLException

// {

// System.out.println("Enter the name for new PlayList: \n");

// String playListName=scanner.nextLine();

//

// preparedStatement = songApp.getConnection().prepareStatement(songApp.getProperties().getProperty("findPlayList"));

//

// int result1 =preparedStatement.executeUpdate();

//

// if(result1==0)

// {

// preparedStatement = songApp.getConnection().prepareStatement(songApp.getProperties().getProperty("createPlayList"));

// preparedStatement.setString(1, playListName);

// result=preparedStatement.executeUpdate();

// }

// else

// {

// System.out.println("Playlisyt is already present.");

// }

//

//

//

//

// }

// public void addSong() throws SQLException

// {

// System.out.println("Enter the playlist name: \n");

// String playlistname=scanner.nextLine();

//

// System.out.println("enter the song name to add into the playlist: \n");

// String songName=scanner.nextLine();

//

//

//

// System.out.println("");

//

// preparedStatement = SongApp.getConnection().prepareStatement(songApp.getProperties().getProperty("addSong"));

//

// }

**public** **void** removeSong() **throws** SQLException

{

*preparedStatement* = *songApp*.getConnection().prepareStatement(*songApp*.getProperties().getProperty("removeSong"));

System.***out***.println("Enter the song name which you want to remove: \n");

String name=*scanner*.nextLine();

*preparedStatement*.setString(1, name);

*result*=*preparedStatement*.executeUpdate();

System.***out***.println("Song succesfully removed from the List");

}

**public** **void** updateSongDetails() **throws** SQLException

{

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*You can only update album name:\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \n");

*preparedStatement* = *songApp*.getConnection().prepareStatement(*songApp*.getProperties().getProperty("updateSongDetails"));

System.***out***.println("Enter the song Id to update details: ");

**int** id=*scanner*.nextInt();

System.***out***.println("Enter the new album name: \n");

String albumName=*scanner*.next();

*preparedStatement*.setString(1, albumName);

*preparedStatement*.setInt(2, id);

*result*=*preparedStatement*.executeUpdate();

System.***out***.println("Song details updated");

System.***out***.println("Do you want to see (y/n)");

**char** ch=*scanner*.next().charAt(0);

**if**(ch=='y')

{

**this**.displaySong();

}

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Thank you for an update\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

}

**public** **void** displaySong() **throws** SQLException

{

*resultSet*=*preparedStatement*.executeQuery(*songApp*.getProperties().getProperty("displaySong"));

**while**(*resultSet*.next())

{

System.***out***.println(*resultSet*.getString(1) + "|" + *resultSet*.getString(2) + "|" + *resultSet*.getString(3) + "|" + *resultSet*.getString(4) + "|" + *resultSet*.getString(5));

}

}

}