

MY PROJECT

THE JUKEBOX

Presented By-

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PROJECT PRESENTATION:

Under the Guidance of-

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● INTRODUCTION:

This is a JukeBox Application. this Application allows users to log in or register as a new user.

Once a user is logged in, they can perform various actions like creating a playlist, showing playlists, searching playlists, listening to all songs, songs by artist, songs by album or by genre.

The code uses classes like LogInAndSignUp, Creation, PlaySongs, QueryDatabase and Printing to perform these actions.

The code also implements a switch case menu-driven system to allow the user to select what they want to do.

- **JAVA FEATURES USED:**

- 1. Object Oriented Programming**
- 2. Java Database Connectivity**
- 3. Operators**
- 4. Exception Handling**
- 5. Collection**
- 6. MySQL**

and more

- **What are the table used**

Album

Artist

Genre

PlayList

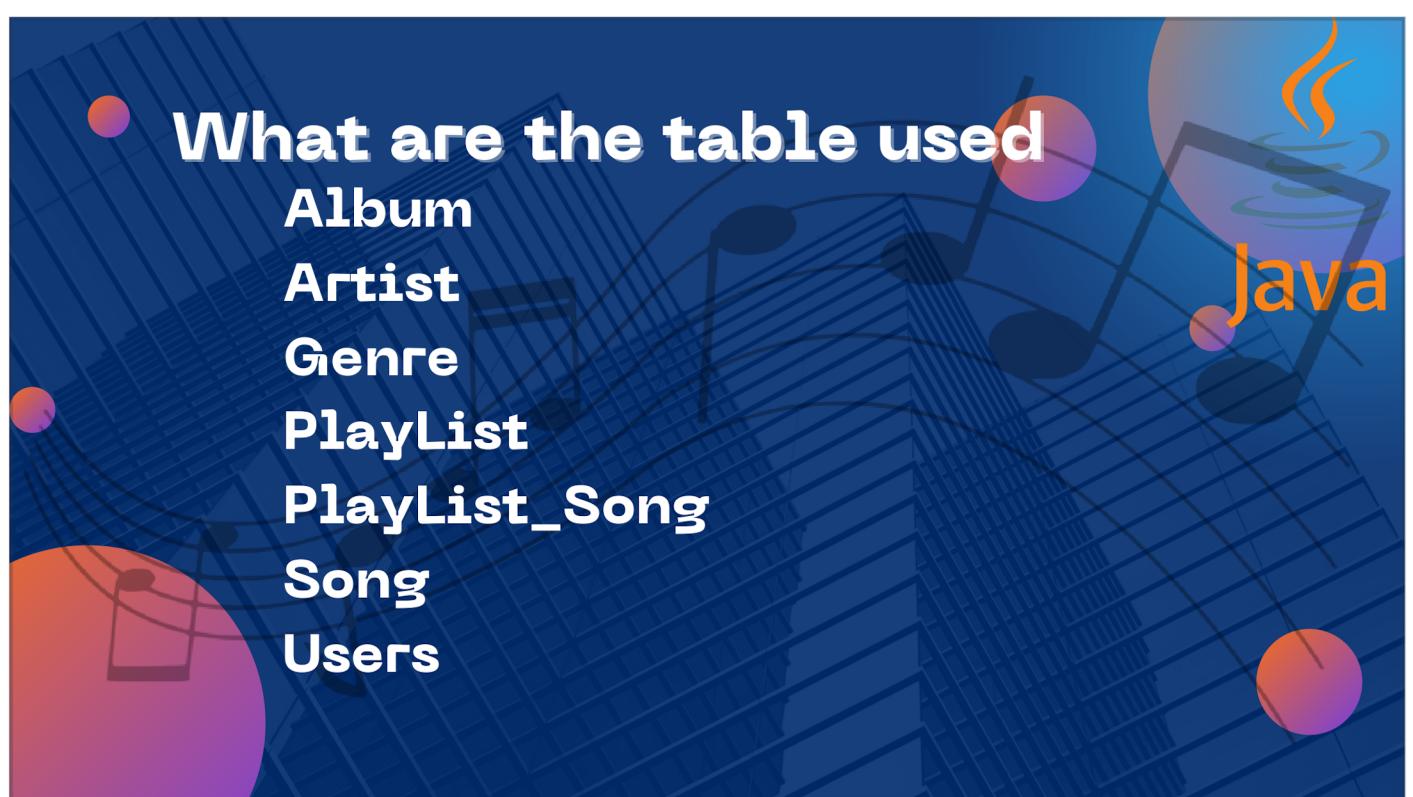
PlayList_Song

Song

Users



Java



After Running my code this output will be shown:

```
| J|u|k|e|_|B|o|x|      |A|p|p|l|i|c|a|t|i|o|n|
+-----+-----+
+-----+
| Welcome To JukeBox Application      |
+-----+
| Please Enter 1 for Login          |
| Please Enter 2 for New Registration |
| Please Enter 3 for Guest User       |
| Please Enter 4 for Exit Application |
+-----+
Please Enter Your Choose
1
```

So here display a menu for a Jukebox application. The menu displays options for the user to either log in, register as a new user, use the application as a guest user, or exit the application.

Please Enter Your Choose						
You are a guest user, so you can listen only to songs. If you want to use more functionality, you need to first create your account and then log in.						
ID	Song Name	Artist ID	Genre ID	Album ID	Song Duration	Path
1	Kalesi_chori	301	101	281	00:00:20	E:\IntelliJ IOEA\jukeboxapplicationfinalsameer\Songs\Kalesi_chori.wav
2	Jaan_Ke_Bhulekhe	302	102	202	00:04:35	E:\IntelliJ IOEA\jukeboxapplicationfinalsameer\Songs\Jaan_Ke_Bhulekhe.wav
3	Good_Luck	303	103	203	00:03:00	E:\IntelliJ IOEA\jukeboxapplicationfinalsameer\Songs\Good_Luck.wav
4	Despacito	304	104	204	00:04:40	E:\IntelliJ IOEA\jukeboxapplicationfinalsameer\Songs\English\Despacito.wav
5	13 Lag Jaa Gale	305	105	205	00:04:00	E:\IntelliJ IOEA\jukeboxapplicationfinalsameer\Songs\Hindi\13 Lag Jaa Gale.wav
6	Jhonne Jo Pathaan	306	106	205	00:03:22	E:\IntelliJ IOEA\jukeboxapplicationfinalsameer\Songs\Hindi\Jhonee Jo Pathaan.wav
7	Kiya Mujhe Pyaar Hai	306	105	205	00:04:26	E:\IntelliJ IOEA\jukeboxapplicationfinalsameer\Songs\Hindi\KKK\Kiya Mujhe Pyaar Hai.wav
8	Ajab Si (Om Shanti Om)	307	105	205	00:04:03	E:\IntelliJ IOEA\jukeboxapplicationfinalsameer\Songs\Hindi\KKK\Ajab Si .wav
9	Gori Gori Gori Gori	307	105	205	00:04:30	E:\IntelliJ IOEA\jukeboxapplicationfinalsameer\Songs\Hindi\KKK\Gori Gori Gori Gori.wav
10	Kiya Mujhe Pyaar Hai	307	105	205	00:04:26	E:\IntelliJ IOEA\jukeboxapplicationfinalsameer\Songs\Hindi\KKK\Kiya Mujhe Pyaar Hai.wav
11	Tu Jo Mila	307	105	205	00:04:03	E:\IntelliJ IOEA\jukeboxapplicationfinalsameer\Songs\Hindi\KKK\Tu Jo Mila.wav
12	Yaaron Dosti Badi Hi	307	105	205	00:04:23	E:\IntelliJ IOEA\jukeboxapplicationfinalsameer\Songs\Hindi\KKK\Yaaron Dosti Badi.wav
13	Faded	304	101	204	00:03:32	E:\IntelliJ IOEA\jukeboxapplicationfinalsameer\Songs\English\Faded.wav
14	Extremes	304	101	204	00:02:29	E:\IntelliJ IOEA\jukeboxapplicationfinalsameer\Songs\English\Extremes.wav
15	Stay	304	101	204	00:02:21	E:\IntelliJ IOEA\jukeboxapplicationfinalsameer\Songs\English\Stay.wav
16	After-party-6	304	101	204	00:10:22	E:\IntelliJ IOEA\jukeboxapplicationfinalsameer\Songs\English\After-party-6.wav
17	Moving-ON	304	101	204	00:07:22	E:\IntelliJ IOEA\jukeboxapplicationfinalsameer\Songs\English\Moving-ON.wav
18	Tujhe Dekha	307	105	205	00:00:30	E:\IntelliJ IOEA\jukeboxapplicationfinalsameer\Songs\Tujhe Dekha.wav

Please enter the id of the song that you want to play

Here I'm in Guest User So Guest User Can listen the song Only

You are a guest user, so you can listen only to songs. If you want to use more functionality, you need to first create your account and then log in

```
*-----please enter details of the user for which you want to login-----*
Please Enter username :
saifi09sameer
Please Enter password :
4amif@123
Your UserID is      : 1
Sameer Saifi has logged in successfully.
+-----+
| Which action you want to perform?   |
| Please select an option:           |
+-----+
| 1. Create playlist                 |
| 2. Show playlist                  |
| 3. Search Playlist                |
| 4. Listen all songs               |
| 5. Listen songs by artist         |
| 6. Listen songs by album          |
| 7. Listen songs by genre          |
| 8. Exit                           |
+-----+
Enter choice      :|
```

it displays a menu of actions that a logged-in user can perform in the jukebox application.

The menu options allow the user to create a playlist, show existing playlists, search for playlists, listen to all songs, listen to songs by artist, listen to songs by album, listen to songs by genre, or exit the application.

```
Your UserID is      : 1
Sameer Saifi has logged in successfully.
+-----+
| Which action you want to perform?   |
| Please select an option:           |
+-----+
| 1. Create playlist                 |
| 2. Show playlist                  |
| 3. Search Playlist                |
| 4. Listen all songs               |
| 5. Listen songs by artist         |
| 6. Listen songs by album          |
| 7. Listen songs by genre          |
| 8. Exit                           |
+-----+
Enter choice          :1
please enter playlist ID   :
12
please enter name of the playlist :
MyNewPlaylist
1- Record Inserted in playlist table
if you want to create another playlist then please enter 1 to continue or enter 0 to exit
|
```

Here I'm Using Option 1, in which I have one method called `createPlaylist` that allows the user to create one or multiple playlists.

The new playlist is inserted into the database by calling the **`QueryDatabase.insertPlayListIntoDataBase(playList)`** method.

Here `QuaeryDataBase` is my Class and `insertPlayListIntoDataBase(playList)` is my static method

```
+-----+  
| Which action you want to perform? |  
| Please select an option: |  
+-----+  
| 1. Create playlist |  
| 2. Show playlist |  
| 3. Search Playlist |  
| 4. Listen all songs |  
| 5. Listen songs by artist |  
| 6. Listen songs by album |  
| 7. Listen songs by genre |  
| 8. Exit |  
+-----+  
Enter choice : 2  
+-----+  
| Playlist ID | Playlist Name | User ID |  
+-----+  
| 1 | sad | 1 |  
| 3 | SameerPlayList | 1 |  
| 6 | myfirst | 1 |  
| 8 | Playlist1 | 1 |  
| 9 | Playlist1 | 1 |  
| 10 | Playlist1 | 1 |  
| 11 | Playlist1 | 1 |  
| 12 | MyNewPlayList | 1 |  
+-----+  
please enter id of the playList to play songs
```

Here choose Option 2 , It will show all the playList of particular User

```
+-----+-----+-----+
| Playlist ID | Playlist Name      | User ID |
+-----+-----+-----+
| 1           | sad                 | 1       |
| 3           | SameerPlayList     | 1       |
| 6           | myfirst              | 1       |
| 8           | Playlist1            | 1       |
| 9           | Playlist1            | 1       |
| 10          | Playlist1            | 1       |
| 11          | Playlist1            | 1       |
| 12          | MyNewPlayList        | 1       |
+-----+-----+-----+
please enter id of the playlist to play songs
1
Song Id      Song Name
1      Kalesi_chori
3      Good_Luck
Please enter the id of the song that you want to play
```

Here I'm Asking to the User to Open the PlayList
and User Can Play The song from playlist

```
Song Id      Song Name
1           Kalesi_chori
3           Good_Luck
Please enter the id of the song that you want to play
1
+-----+
| Song Name      : |Kalesi_chori
| Song Duration  : |00:00:20
| Song STATUS    : |Nothing
+-----+
P = play, S = Stop, L = Loop, N = Next, PP = Previous, Q = Quit
Enter your choice : p
Music started at: 00:26:04
+-----+
| Song Name      : |Kalesi_chori
| Song Duration  : |00:00:20
| Song STATUS    : |Playing
+-----+
P = play, S = Stop, L = Loop, N = Next, PP = Previous, Q = Quit
Enter your choice : |
```

Here I'm playing the song from playlist and after entering song id
User can see Current Playing (Song Name, Song Dureision, Song Status)

```
Please enter the id of the song that you want to play
1
+-----+
| Song Name      : |Kalesi_chori
| Song Duration : |00:00:20
| Song STATUS   : |Nothing
+-----+
P = play, S = Stop, L = Loop, N = Next, Q = Quit
Enter your choice : 0
Music started at: 00:34:29
+-----+
| Song Name      : |Kalesi_chori
| Song Duration : |00:00:20
| Song STATUS   : |Playing
+-----+
P = play, S = Stop, L = Loop, N = Next, Q = Quit
Enter your choice : n
+-----+
| Song Name      : |Jaan_Ke_Bhulekhe
| Song Duration : |00:04:35
| Song STATUS   : |Playing
+-----+
P = play, S = Stop, L = Loop, N = Next, Q = Quit
Enter your choice : l
+-----+
| Song Name      : |Jaan_Ke_Bhulekhe
| Song Duration : |00:04:35
| Song STATUS   : |IN LOOP
+-----+
```

While playing the Song it looks like this

```
Your UserID is      : 1
Sameer Saifi has logged in successfully.

+-----+
| Which action you want to perform? |
| Please select an option:          |
+-----+
| 1. Create playlist               |
| 2. Show playlist                 |
| 3. Search Playlist              |
| 4. Listen all songs              |
| 5. Listen songs by artist        |
| 6. Listen songs by album         |
| 7. Listen songs by genre         |
| 8. Exit                         |
+-----+
Enter choice      : 5
+-----+
| Artist ID   | Artist Name           |
+-----+
| 301        | Raga                  |
| 302        | Satinder Sartaaj       |
| 303        | Jordan sandhu          |
| 304        | DESPACITO             |
| 305        | Sanam P                |
| 306        | Arijit                 |
| 307        | KK                     |
+-----+
please enter Artist Id to play songs present in that list
```

User can play the song by Artist ,Album or Genre

```

Enter choice : 5
+-----+-----+
| Artist ID | Artist Name |
+-----+-----+
| 301 | Raga |
| 302 | Satinder Sartaaj |
| 303 | Jordan sandhu |
| 304 | DESPACITO |
| 305 | Sanam P |
| 306 | Arijit |
| 307 | KK |
+-----+
please enter Artist Id to play songs present in that list
307
+-----+-----+-----+-----+-----+-----+-----+
| ID | Song Name | Artist ID | Genre ID | Album ID | Song Duration | | Path |
+-----+-----+-----+-----+-----+-----+-----+
| 8 | Ajab Si (Om Shanti Om) | 307 | 105 | 205 | 00:04:03 | | E:\IntelliJ IDEA\jukeboxapplication\finalsameen\Songs\Hindi\WK\Ajab Si .wav |
| 9 | Gori Gori Gori Gori | 307 | 105 | 205 | 00:04:30 | | E:\IntelliJ IDEA\jukeboxapplication\finalsameen\Songs\Hindi\WK\Gori Gori Gori Gori.wav |
| 10 | Kiya Mujhe Pyaar Hai | 307 | 105 | 205 | 00:04:26 | | E:\IntelliJ IDEA\jukeboxapplication\finalsameen\Songs\Hindi\WK\Kiya Muhe Pyaar Hai.wav |
| 11 | Tu Jo Milla | 307 | 105 | 205 | 00:04:03 | | E:\IntelliJ IDEA\jukeboxapplication\finalsameen\Songs\Hindi\WK\Tu Jo Milla.wav |
| 12 | Yaaron Dosti Badi Hi | 307 | 105 | 205 | 00:04:23 | | E:\IntelliJ IDEA\jukeboxapplication\finalsameen\Songs\Hindi\WK\Yaaron Dosti Badi.wav |
| 18 | Tujhe Dekha | 307 | 105 | 205 | 00:00:30 | | E:\IntelliJ IDEA\jukeboxapplication\finalsameen\Songs\Tuhe Dekha.wav |
+-----+-----+-----+-----+-----+-----+-----+
Please enter the id of the song that you want to play

```

Here I'm Asking to the User Which Artiest Song you want to listen , By Providing the ArtiestID

After that I show Only this ArtiestID Song's , And Here User Can play the song by providng the Song ID

```
Please enter the id of the song that you want to play
21
+-----+
| Song Name      : |Tu Jo Mila
| Song Duration : |00:04:03
| Song STATUS   : |Nothing
+-----+
P = play, S = Stop, L = Loop, N = Next, Q = Quit
Enter your choice : p
Music started at: 00:47:29
+-----+
| Song Name      : |Tu Jo Mila
| Song Duration : |00:04:03
| Song STATUS   : |Playing
+-----+
P = play, S = Stop, L = Loop, N = Next, Q = Quit
Enter your choice : n
+-----+
| Song Name      : |Yaaron Dosti Badi Hi
| Song Duration : |00:04:23
| Song STATUS   : |Playing
+-----+
P = play, S = Stop, L = Loop, N = Next, Q = Quit
Enter your choice :
```

Here User Playing the Song By Artiest

```
Your UserID is      : 1
Sameer Saifi has logged in successfully.
+-----+
| Which action you want to perform?   |
| Please select an option:           |
+-----+
| 1. Create playlist                 |
| 2. Show playlist                  |
| 3. Search Playlist                |
| 4. Listen all songs               |
| 5. Listen songs by artist         |
| 6. Listen songs by album          |
| 7. Listen songs by genre          |
| 8. Exit                           |
+-----+
Enter choice      :8
You have been logged out successfully.
```

If User want to logout Application then input 8

Future Enhancement

- **Add Admin , so admin can add song into songList**



Any Questions...?



