**PROJECT NAME – JUKE-BOX**

Packages we have

1. Bean Class -> Songs, Playlist

Songs -> Attributes (Song id, Song name, Artist Name, Gener, Duration, File Path)

Song id must be Auto-Generated, Type int

Playlist -> Attributes(Playlist Name, Playlist id)

Playlist id must be Auto-Generated, Type int

Playlist Details - > Attributes (Song id, Playlist Id)

1. Dao Class -> Playlist DAO, Songs DAO

Playlist DAO -> behaviours (createPlaylist, deletePlaylist, getAlldetails)

createPlaylist -> Ask the user for playlist name and PlayList id;

Song DAO -> behaviours (getAllSongs, SongsByArtistName, SongsByGenre)

1. Util Class -> DataBase\_Connection
2. Implementation

Class -> JukeBox\_Impl, AudioPlayer

* JukeBox\_Impl class 1st it will show the all the details of the songs we have(Song DAO) .
* 2nd it is going to ask the user to perform some operations like play, pause, restart, jump and create playlist.(Audio Player)
* Ask the user to add a name of the playlist (Playlist DAO)
* Add the songs in the newly Created Playlist.(Song DAO)

1. Exception

* SongNotFound Exception
* ArtistNotFound Exception

DATA BASE –

* We Have one database named Catalogue
* Catalogue have a one Table of Songs and having one primary key “Song ID”

Flow of the Project

* First, we ask the user to start the juke box by entering as an input “Y”.
* Then we’ll show all the songs to the User.
* And ask the user to enter the respective Id of the song which he/she wants to play.
* Gives different option to the user to Play, Stop, Restart, Next, Previous and Create PlayList.
* When the user go for create a playlist we will show user some options like Existing Playlist, Create, Delete PlayList.
* For Create

Ask the user Playlist id and the Name of the Playlist.

Ask the user to Add some songs in the Playlist by giving the song id as an input.