**Assignment-3 Project Requirement**

**Music Jukebox**

We are going to implement the project on “Jukebox System” which will basically

make user profile having access to large database of music files of different genres.

In order to implement this we have created various relations (Tables) which will explain about the jukebox based on our Entity Relationship Diagram(ERD).

**ERD Diagram Requirements**

1.The User table has various attributes of (user id, email, address and name).

2. Each (One) User has one Jukebox\_id, history, UserAlbum(Playlist). The History has history id as the Primary Key. Each User may has zero or more User Album

3.The Jukebox can be owned by one user and has jukeboxid as the Primary Key.

4. A user’s JukeBox has 0 or many UserAlbum which has ‘user\_album\_id’ and title as an attribute. Each JukeBox may have 0 or more songs.

5. Further, every UserAlbum has one or many songs. The Song table has song\_id, title, language, released\_date and duration as the attributes.

6.The Artist table has an artist id and name as an attribute. One Artist makes 0 or more songs. The Person Table has person id and name as an attribute. Basically, many artists consist of many persons.

7. There is a Genre relation which has genre\_id,type as an attribute. One Genre belongs to one or many songs.

8. There is Album Table which has album\_id and Title as an attribute. One Album has one or more songs. Many or zero album is made by one artist.

9.The Image table has image id and data as an attribute and each image is associated with each album

10. There is Lyrics table which has text and lyrics id as an attribute.0 or more lyrics are part of many songs.

11. There is Tag table which has tag id and keyword as an attribute. 0 or more tag can be part of 0 or more Lyrics.

12. There is a Publisher Table which has name, address and publisher id as its attributes. One Publisher publishes 0 or more Album.