## MUSIQ(MUSIC INTERFACE FOR QUERIES)

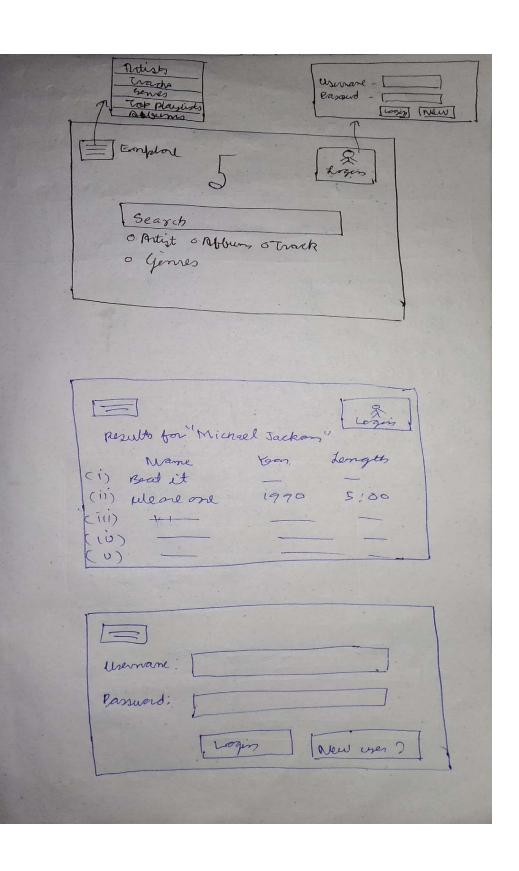
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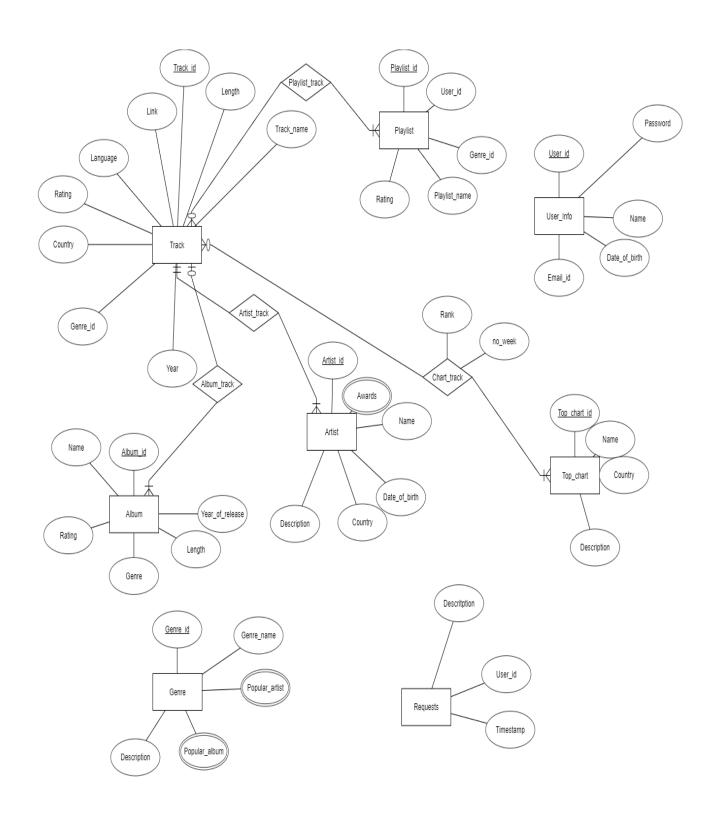
The web application proposed allows a user to search for information using different search criteria for music. The different search criteria include

- Artist
- Albums
- Top rated playlist
- New songs
- Tracks
- Genre
- User playlist
- Top charts
- ✓ A user has option to create an account after which he can create playlists which can be reviewed by other users.
- ✓ A user has more option to create a request regarding information not available currently.
- ✓ A user has option to become a contributor for the application.

#### Implementation:

Our website will have the interfaces as shown below.





### **ER DIAGRAM**

#### **Database Information:**

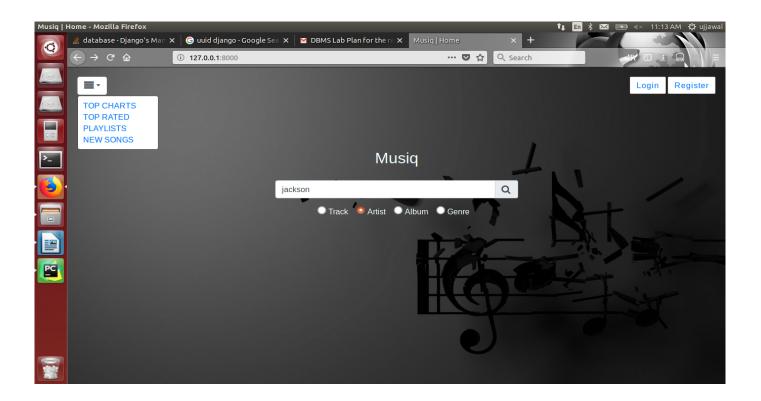
The considered relational schemas are as follows:

- ✓ Track: Information about the track
- ✓ Artist: Information regarding the artists
- ✓ Artist track: The track composed by an artist.
- ✓ Album: Information about the albums
- ✓ Album track: details of a track in a particular album.
- ✓ Artist\_award: awards received by an artist
- ✓ Genre: Description and popular artist in a genre
- ✓ Top\_chart: Description about official top charts in different contries
- ✓ Chart track: Track listing, ranking of a top chart
- ✓ User info: account information regarding a user.
- ✓ Playlist: playlist description created by an user.
- ✓ Playlist track: track listing in a playlist
- ✓ Requests: the requests made by an user for an unavailable track

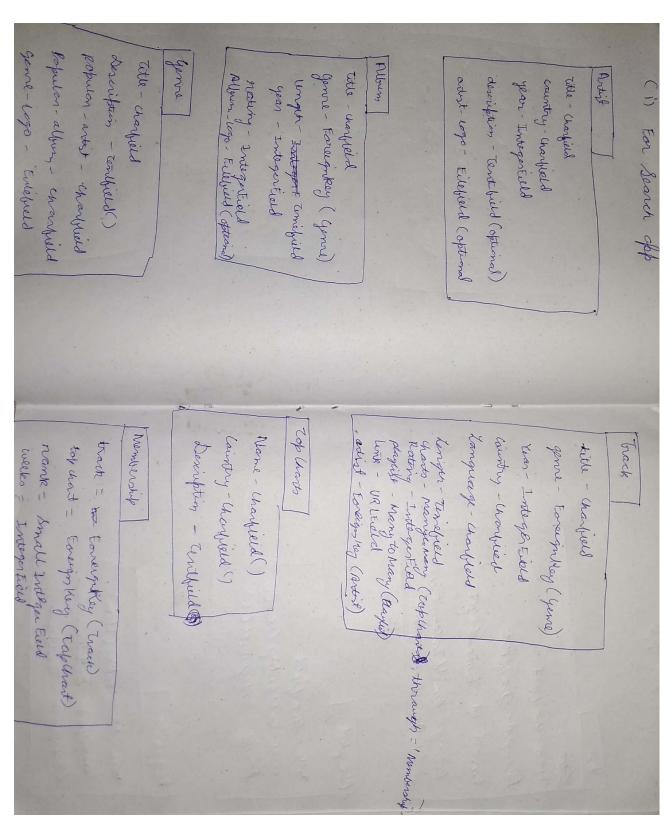
# **Schema Diagram**

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	Timestary Description	Requests	Name  Rassword  email-iel  Ratine	User-info	Genera-id «  Genera-name  Description  Popular-ortistes  Popular-ollownes	Gense
Track-id	Rlaylist-name Rating Rating	Rlaufint-id	No-of-weeks	Top short id	Name Country Description Chart-track	Tep- Most

- \*\*Details regarding the framework used:-
- -->Django is used to handle the back end of the application, as it readily provides a unified framework for database handling, a built in admin interface as well as a configured server.
- -->To take a modular approach the application is divided into two django apps-
- i)Search-handles the search and display part .
- ii)Login- handles user login,authentication, account management.
- -->At the home page there is a general search interface



\*\*Accordingly the model based database handling (MVT architecture) modifies tables as follows:



i)Models for Search app

cii Login app ther Nane-chargeed barriard - Charbleld email - id - Email Eield Recting - Small Integer Field Playlist Title - Charfield uses - Foreignkey (User) Pating - Integer Eild () Requests user - Earlighty (User) Tinestapont- Datetimebield Description - Tentfield

ii) Models for Login app