

# **MUSIQ(MUSIC INTERFACE FOR QUERIES)**

## **Group No.-11**

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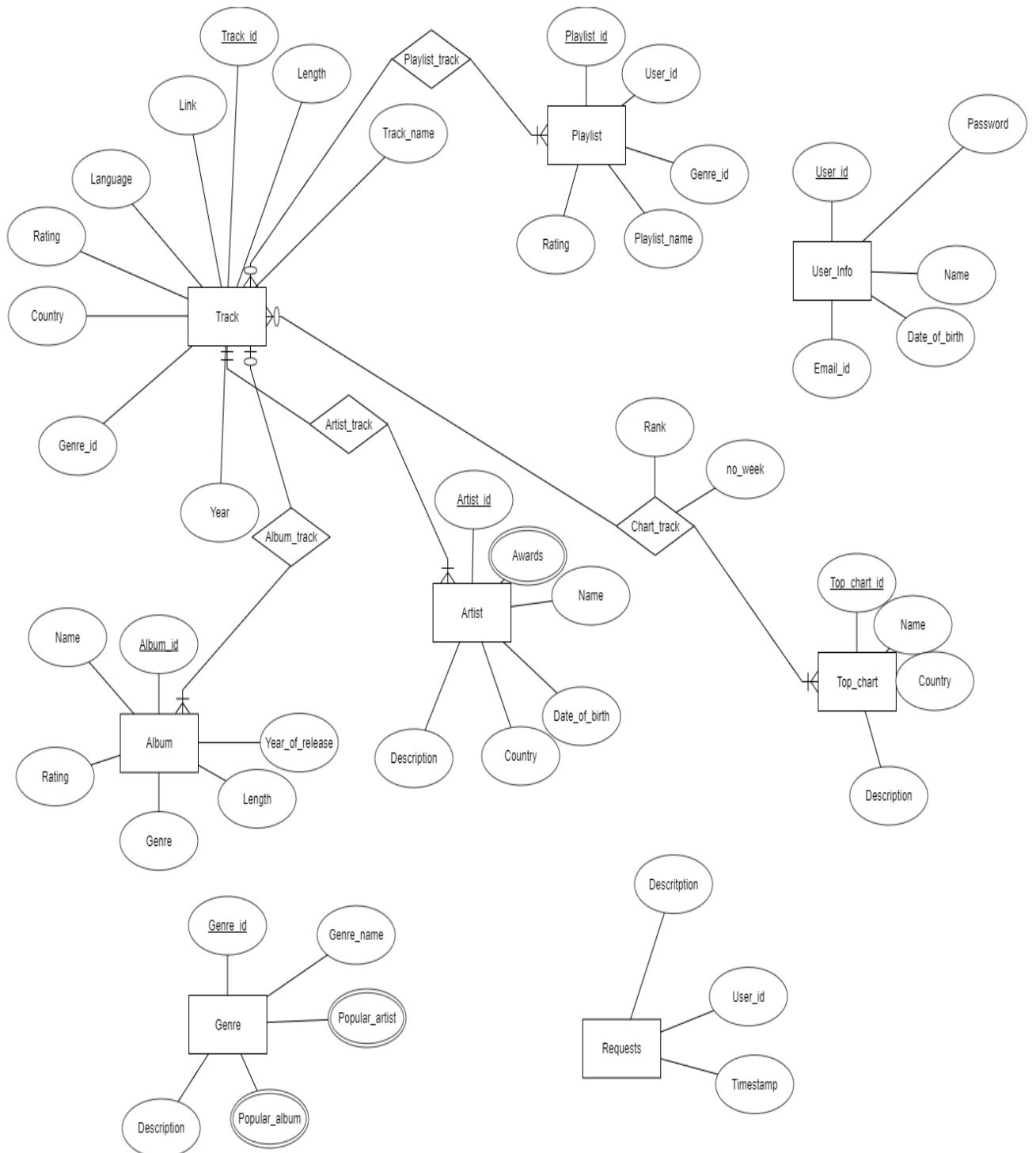
-15CS10049 Vaibhav Gupta

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**

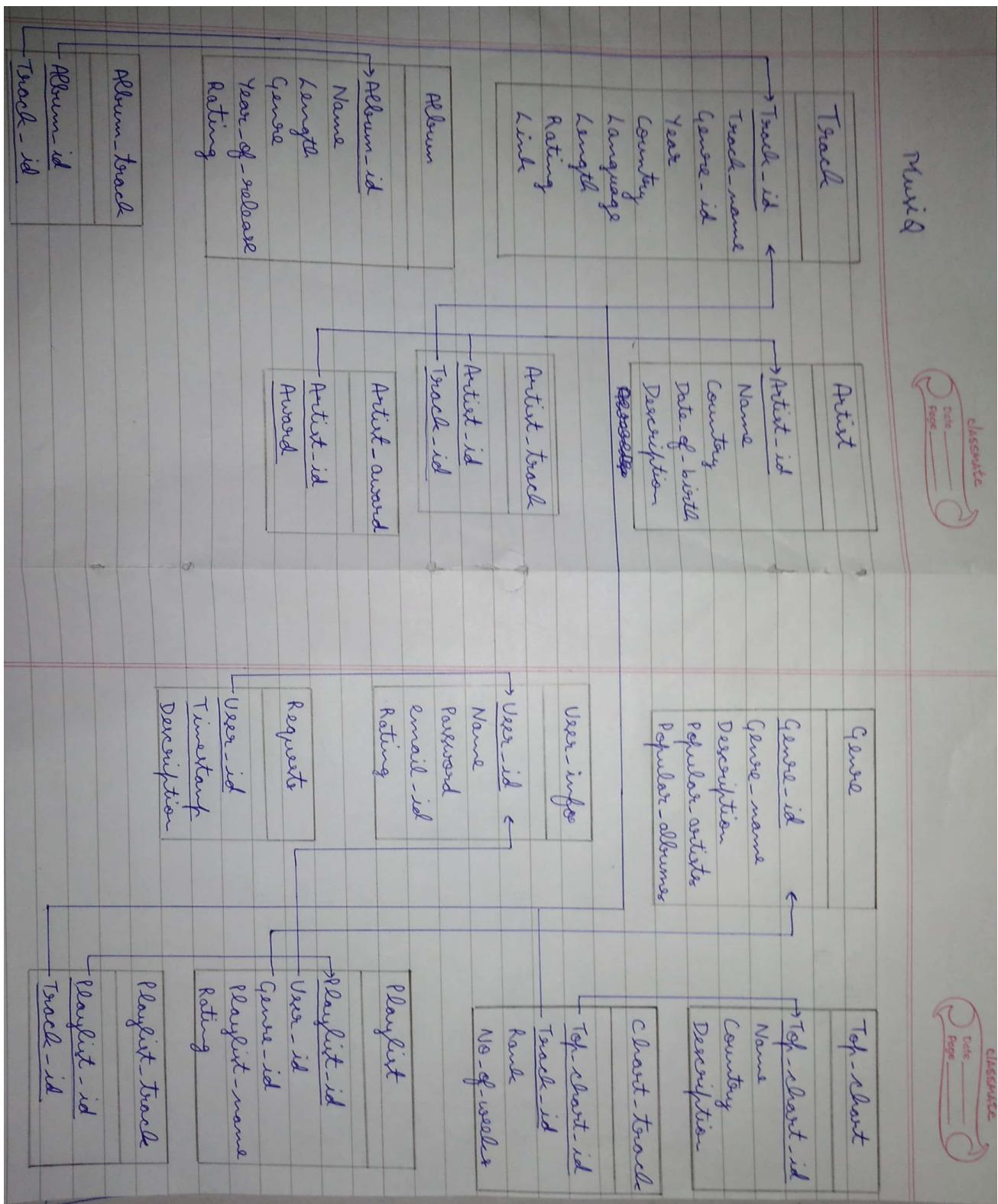
### **Database Information:**

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 countries
- ✓ 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**

## Musiq

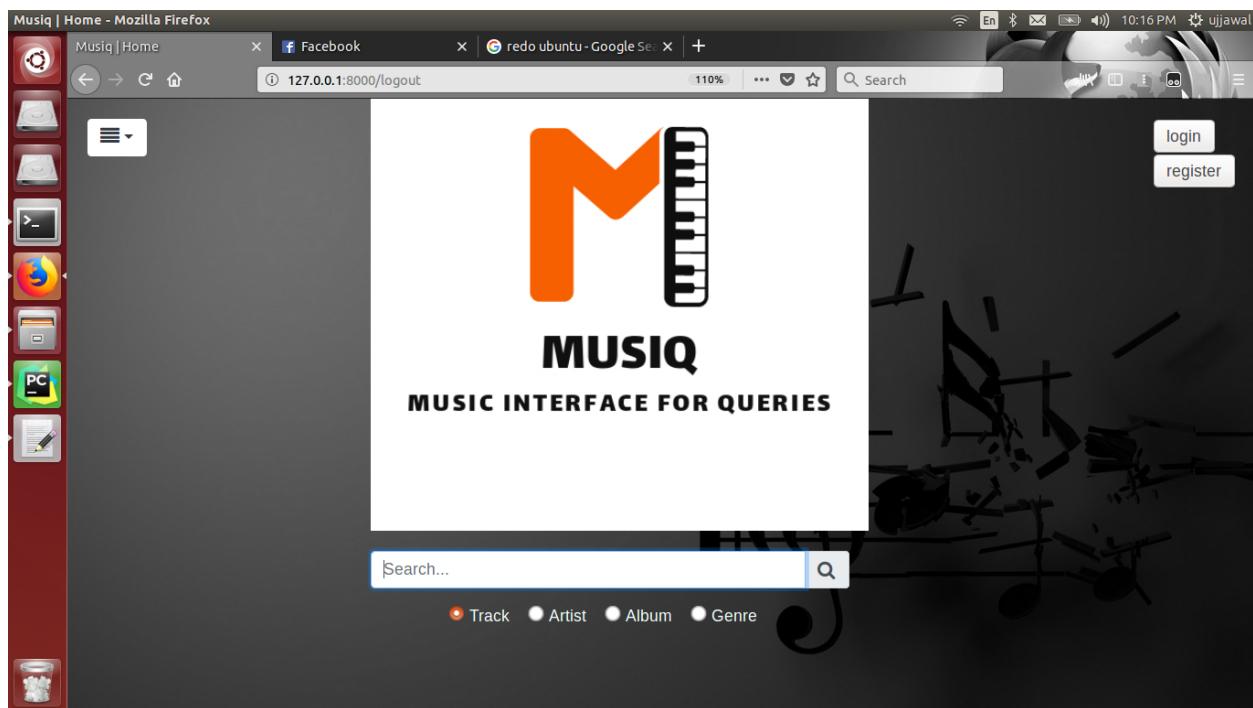


**PAGES:**

## **DEFAULT PAGE:**

This is the default page of our website. In this page we can search by typing the name of the artist, track ,album and genre. We can select the search filter by clicking on the radio buttons at the bottom of the window. At the top right there are two buttons namely login and register .By Clicking on login will take you to the login page and register to the registration page.

And on the top right there is drop box where we can find drop box giving top charts, new songs and other new features.

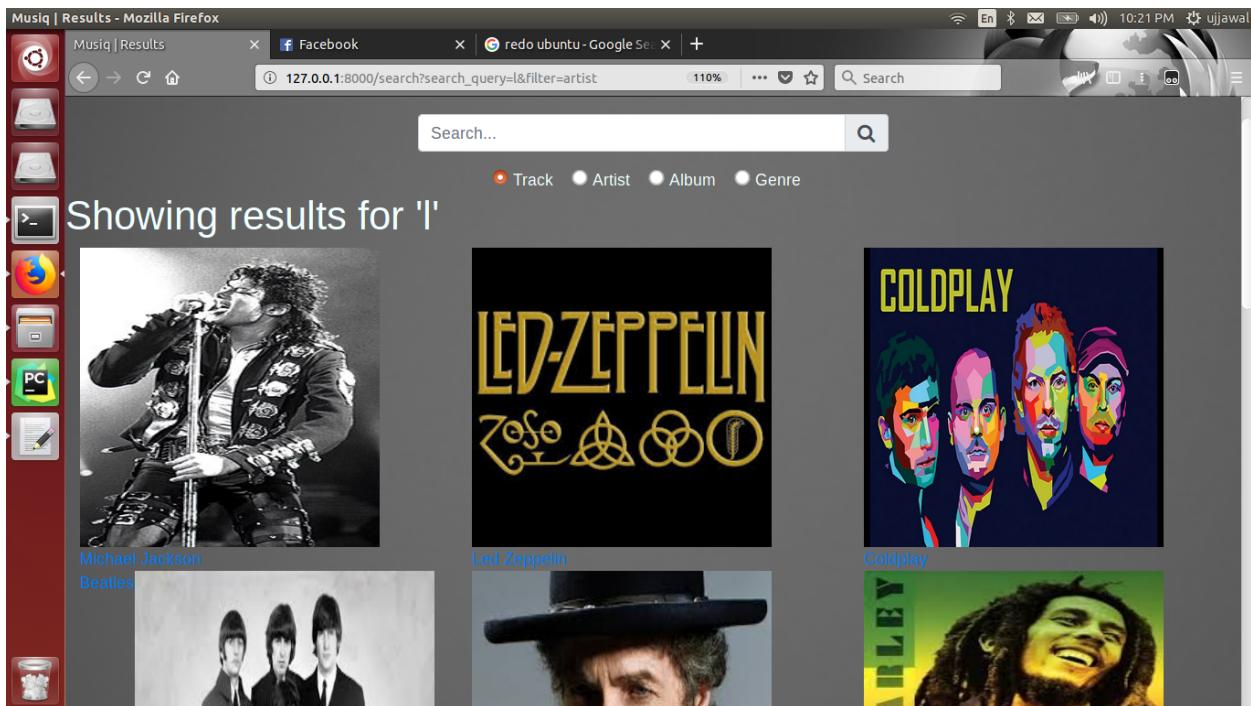


## Search Results page:

Given below is the search results page showing the results of the search query by letter 'L'.

All the tracks containing the keyword will be shown in the thumbnails view as shown below.

Also there is an option to change the search query as in the default page. If we click on any artist then we move on the artist page.



## Artist Page:

In this page the description of the artist i.e.His name country and starting year along with his description is shown.

Also for every artist all his songs in the database will shown below in the grid with their general info along with their you tube link which is generated by us using python script and selecting the first search of youtube. By clicking on the you tube icon we'll be redirected to the the youtube video of the song.

Musiq | Details - Mozilla Firefox

127.0.0.1:8000/search/artist/Led Zeppelin

LED-ZEPPELIN

Led Zeppelin  
Country-England  
Year-1968

Led Zeppelin were an English rock band formed in London in 1968. The group consisted of guitarist Jimmy Page, singer Robert Plant, bassist and keyboardist John Paul Jones, and drummer John Bonham. The band's heavy, guitar-driven sound has led them to be cited as one of the progenitors of heavy metal. Their style drew from a wide variety of influences, including blues, psychedelia, and folk music. After changing their name from the New Yardbirds, Led Zeppelin signed a deal with Atlantic Records that afforded them considerable artistic freedom. Although the group was initially unpopular with critics, they achieved significant commercial success with albums such as Led Zeppelin (1969), Led Zeppelin II (1969), Led Zeppelin III (1970), Led Zeppelin IV (1971), Houses of the Holy (1973), Physical Graffiti (1975), Presence (1976) and In Through the Out Door (1979). Their fourth album, which features the song "Stairway to Heaven", is among the most popular and influential works in rock music.

Track Listing

Title	Album	Genre	Length	Language	Rating	Links
Custard Pie	Physical Graffiti	Rock	00:04:15	English	★★★★★	
The Rover	Physical Graffiti	Rock	00:05:39	English	★★★★★	
In My Time of Dying	Physical Graffiti	Rock	00:11:08	English	★★★★★	
Houses of the holy	Physical Graffiti	Rock	00:04:04	English	★★★★★	

## **Top Charts page:**

This page describes the top charts available in database along with their songs and youtube link.

The Billboard Hot 100 is the music industry standard record chart in the United States for singles, published weekly by Billboard magazine. Chart rankings are based on sales (physical and digital), radio play, and online streaming. The weekly sales period was originally Monday to Sunday, when Nielsen started tracking sales in 1991, but was changed to Friday to Thursday in July 2015. Radio airplay, which, unlike sales figures and streaming data, is readily available on a real-time basis, and is tracked on a Monday to Sunday cycle (previously Wednesday to Tuesday).<sup>[1]</sup> A new chart is compiled and officially released to the public by Billboard on Tuesdays

Title	Album	Artist	Genre	Length	Year	Country	Language	Rating	Links
God's Plan	None	Drake	Hip Hop	00:03:18	2018	USA	English		
Perfect	None	Ed Sheeran	Pop Music	00:04:23	2018	England	English		

The UK Singles Chart (currently entitled Official Singles Chart) is compiled by the Official Charts Company (OCC), on behalf of the British record industry, listing the top-selling singles in the United Kingdom, based upon physical sales, paid-for downloads and streaming. The Official Chart, broadcast on BBC Radio 1 and MTV (Official UK Top 40), is the UK music industry's recognised official measure of singles and albums popularity because it is the most comprehensive research panel of its kind, today surveying over 15,000 retailers and digital services daily, capturing 99.9% of all singles consumed in Britain across the week, and over 98% of albums.<sup>[1]</sup> To be eligible for the chart, a single is currently defined by the Official Charts Company (OCC) as either a 'single bundle' having no more than four tracks and not lasting longer than 25 minutes or one digital audio track not longer than 15 minutes with a minimum sale price of 40 pence.<sup>[2]</sup> The rules have changed many times as technology has developed, the most notable being the inclusion of digital downloads in 2005 and streaming in July 2014

Title	Album	Artist	Genre	Length	Year	Country	Language	Rating	Links
God's Plan	None	Drake	Hip Hop	00:03:18	2018	USA	English		
Perfect	None	Ed Sheeran	Pop Music	00:04:23	2018	England	English		
say something	None	Justin Timberlake	Pop Music	00:04:39	2018	United States	English		
supermarket flowers	None	Ed Sheeran	Pop Music	00:03:41	2017	England	English		
river	None	Eminem	Hip Hop	00:03:41	2017	United States of America	English		

## **NEW SONGS PAGE:**

This songs provide the info of the new songs in the database which are of current ongoing year along with their general information and you tube link.

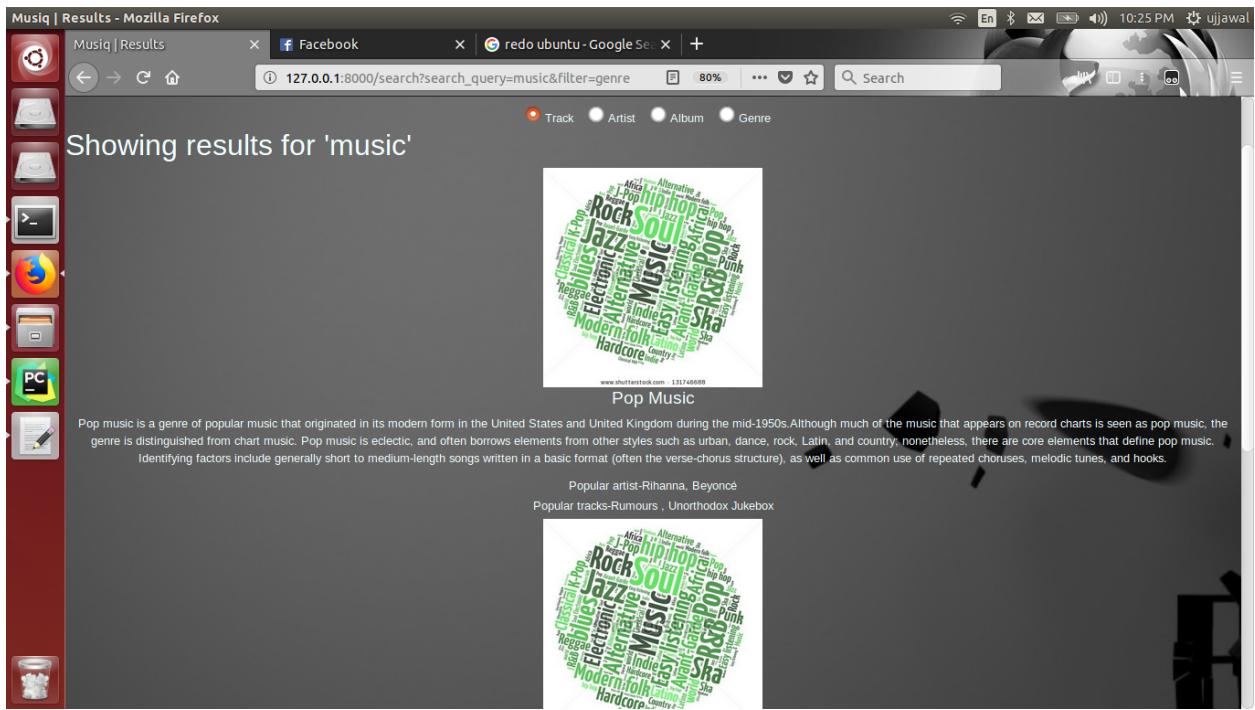
Musiq | Details - Mozilla Firefox

Showing results for 'New Songs'

Title	Album	Artist	Genre	Length	Year	Country	Language	Rating	Links
God's Plan	None	Drake	Hip Hop	00:03:18	2018	USA	English	★★★★★	
Perfect	None	Ed Sheeran	Pop Music	00:04:23	2018	England	English	★★★★★	
say something	None	Justin Timberlake	Pop Music	00:04:39	2018	United States	English	★★★★★	
delicate	None	Taylor Swift	Pop Music	00:03:52	2018	United States of America	English	★★★★★	
pray for me	None	The Weeknd	Hip Hop	00:03:31	2018	United States	English	★★★★★	

## Genres PAGE:

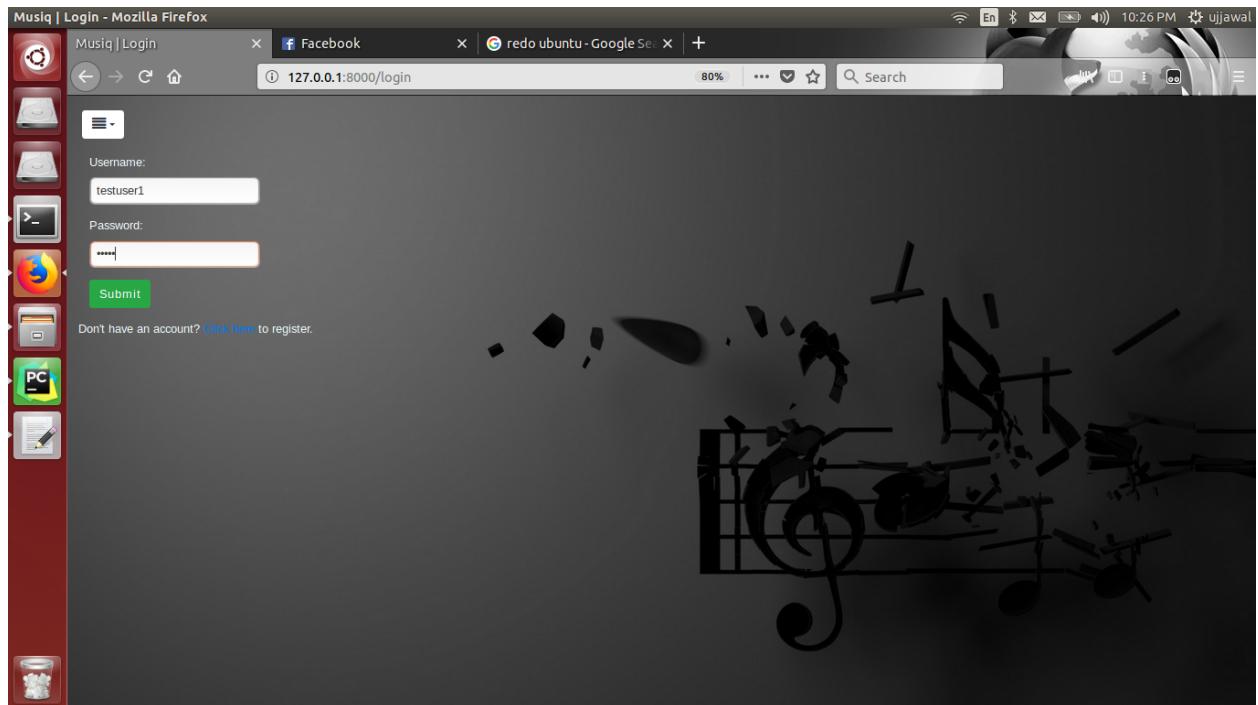
This page contains the GENRES available along with their description icon, POPULAR artists of that genre(top 2) and popular tracks of the genre.  
(top 2)



**Login Page:**

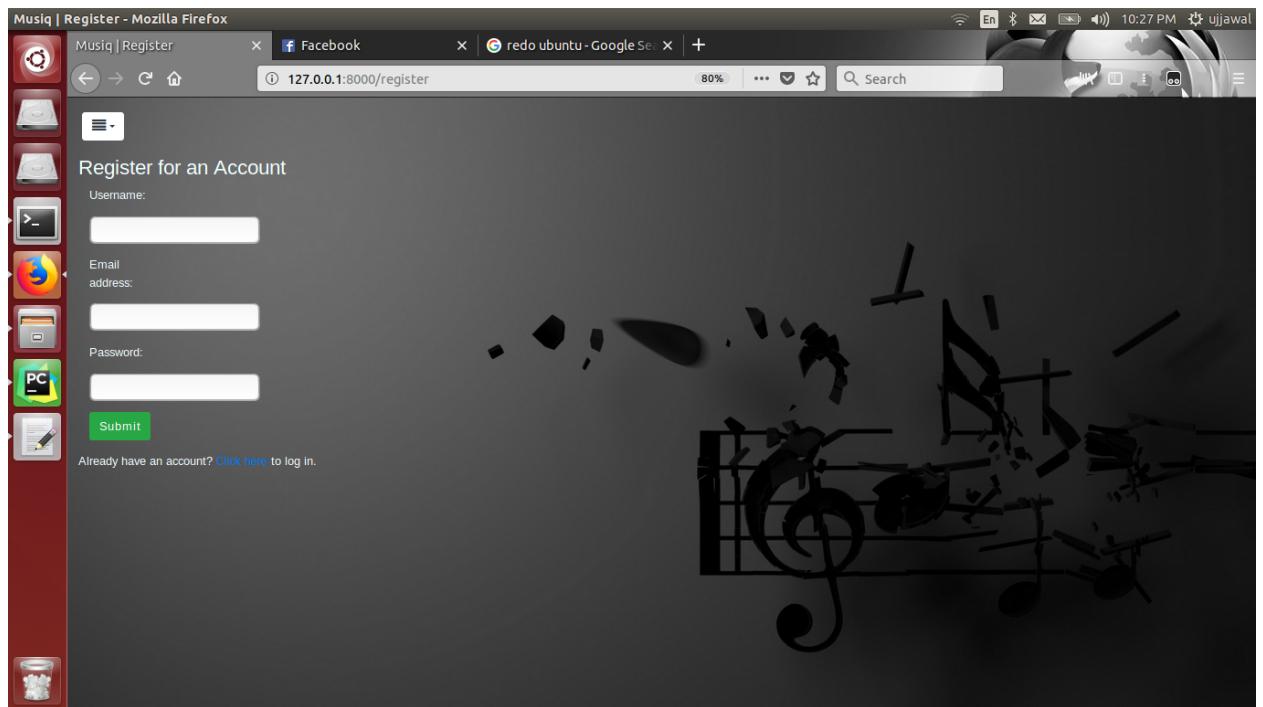
The given below is the login page. It contains two boxes username and login. Also it contains a link to register in it.

It matches the username and password from the database and make you online if it's correct. You can create your own playlist after logging in.



## **REGISTRATION PAGE:**

Registration page contains the general information form asking username, email address and Password . it also contains login option.



**TOP PLAYLIST Page:**

The page shows the top rated playlist along with the songs in it with basic description and you tube links showing title.

Musiq | Top Playlist - Mozilla Firefox

Facebook Log in | Django site admin python - How can I get th 11:13 PM ujjawal

127.0.0.1:8000/top\_playlist 90% ... Search

Home Logout

Search...

Track Artist Album Genre

Title-I am admin

Rating-90%

Title	Album	Artist	Genre	Length	Year	Country	Language	Rating	Links
Hey Jude	None	Beatles	Rock	00:07:11	1968	England	English		
Rap God	The Marshall Mathers LP 2	Eminem	Hip Hop	00:06:03	2010	United States of America	English		

## User Home page:

If you click on the home button on the top right, Then it will show your playlist along with the songs and their youtube link for it.

Musiq | Home User - Mozilla Firefox

Facebook Log in | Django site admin python - How can I get th ... 11:10 PM ujjawal

127.0.0.1:8000/home 90% Search...

Home Logout

TOP CHARTS TOP RATED PLAYLISTS NEW SONGS

Search...

Track Artist Album Genre

Welcome ujjawal

Title-I am admin

Rating-90%

Title	Album	Artist	Genre	Length	Year	Country	Langauge	Rating	Links
Hey Jude	None	Beatles	Rock	00:07:11	1968	England	English	5/5	
Rap God	The Marshall Mathers LP 2	Eminem	Hip Hop	00:06:03	2010	United States of America	English	5/5	

## Create Playlist Page:

User can create his playlist by specifying the name in the home page.

Musiq | Home User - Mozilla Firefox

Facebook | Log in | Django site admin | python - How can I get th | submit html form on sel

127.0.0.1:8000/home\_user?title=testplaylist 90% 11:36 PM ujjawal

Home Logout

Search... 

Track Artist Album Genre

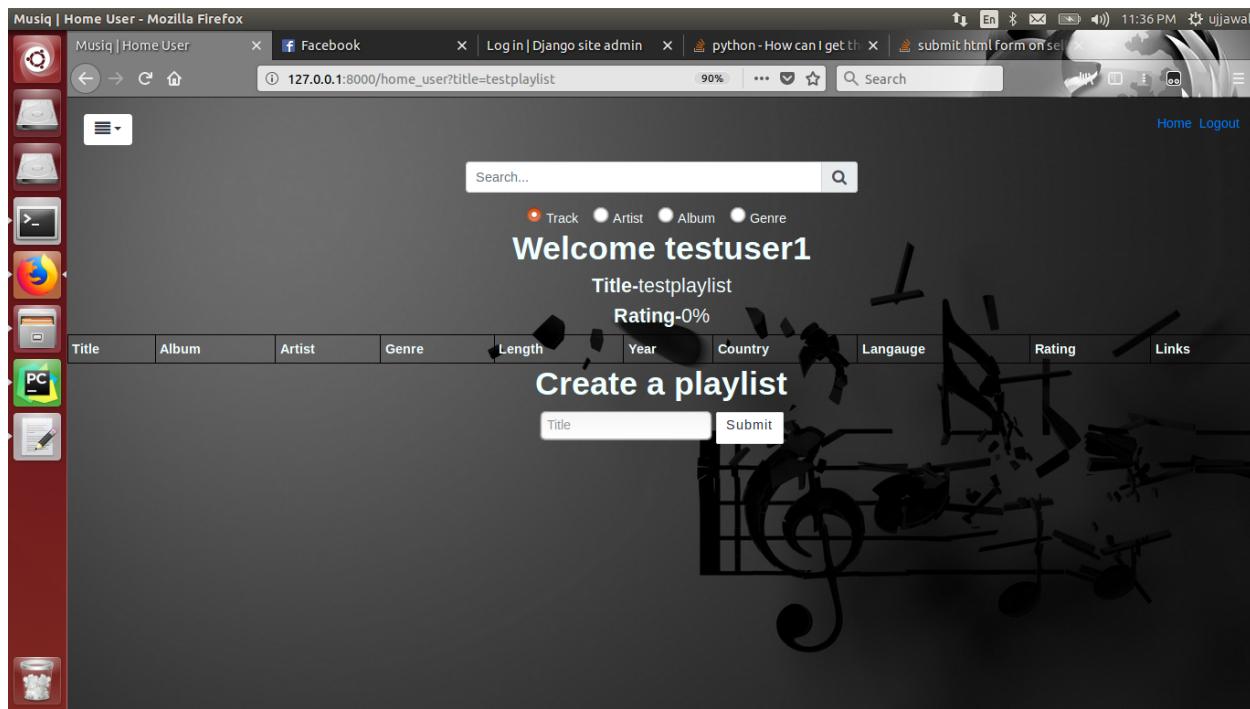
Welcome testuser1

Title-testplaylist  
Rating-0%

Create a playlist

Title  Submit

Music notes graphic



The screenshot shows a Mozilla Firefox browser window with several tabs open. The active tab is '127.0.0.1:8000/home\_user?title=testplaylist'. The page title is 'Musiq | Home User'. The main content area displays a welcome message 'Welcome testuser1' and a 'Create a playlist' form. The form has a 'Title' input field containing 'testplaylist' and a 'Submit' button. Above the form, there are four radio buttons labeled 'Track', 'Artist', 'Album', and 'Genre', with 'Track' being selected. Below the form, there is a decorative background image featuring musical notes and a treble clef. On the left side of the browser window, there is a vertical toolbar with various icons, including a red one for 'Musiq'.