

Greeting Dev,

I have created a Spotify type app named MELODY . It is based on MEAN Stack where i have used languages as follows:-

Frontend:- Angular 8.0.1 , HTML/CSS , TypeScript , Bootstrap

Backend:- Node-Js , Express

Database:- MYSQL (LAMP)

My github link:- <https://github.com/rahulmukherjee68/>

Melody-frontend Git Repos link:- <https://github.com/rahulmukherjee68/Melody>

Melody-backend Git Repos link:- <https://github.com/rahulmukherjee68/MelodyBack-end>

In backend only there is a file called **melody.sql** which contains the databases queries

I am providing the documents on how you can access the app with screenshots :-

**For any repos I have not added the node\_modules please use “npm i” before using the app For both Front-end and back-end.**

Make sure you have installed node and angular on your system with mysql as db

Please change your db user and password on node-js by following steps:-

1. **Go to my melody-backend folder there you would find models folder**
2. **In the models folder we have db.js file open it and change it to the user and password of your system.**
3. **Make sure the melody-back folder you download is not on the root folder otherwise the image uploading will not take place**

I have given the database sql file in the melody-backend folder repository and moreover i am sending it on my mail please see to it.

I have created 4 tables there :-

Artists table:-

Field	Type	Null	Key	Default	Extra
id	int(11)	NO	PRI	NULL	auto_increment
name	varchar(225)	NO		NULL	
date_of_birth	varchar(225)	YES		NULL	
Bio	varchar(500)	NO		NULL	
created_at	datetime	NO		CURRENT_TIMESTAMP	
updated_at	datetime	YES		NULL	

6 rows in set (0.00 sec)

Songs table:-

Field	Type	Null	Key	Default	Extra
id	int(11)	NO	PRI	NULL	auto_increment
name	varchar(225)	NO		NULL	
date_of_release	varchar(225)	NO		NULL	
total_rating	int(11)	NO		0	
total_users_rated	int(11)	NO		0	
rating	float	NO		0	
image_file_path	varchar(225)	NO		NULL	
created_at	datetime	NO		CURRENT_TIMESTAMP	
updated_at	datetime	YES		NULL	

9 rows in set (0.00 sec)

Users:-

Field	Type	Null	Key	Default	Extra
id	int(11)	NO	PRI	NULL	auto_increment
name	varchar(225)	NO		NULL	
email	varchar(225)	NO		NULL	
created_at	datetime	NO		CURRENT_TIMESTAMP	
updated_at	datetime	YES		NULL	

5 rows in set (0.00 sec)

Artist\_song\_map:-

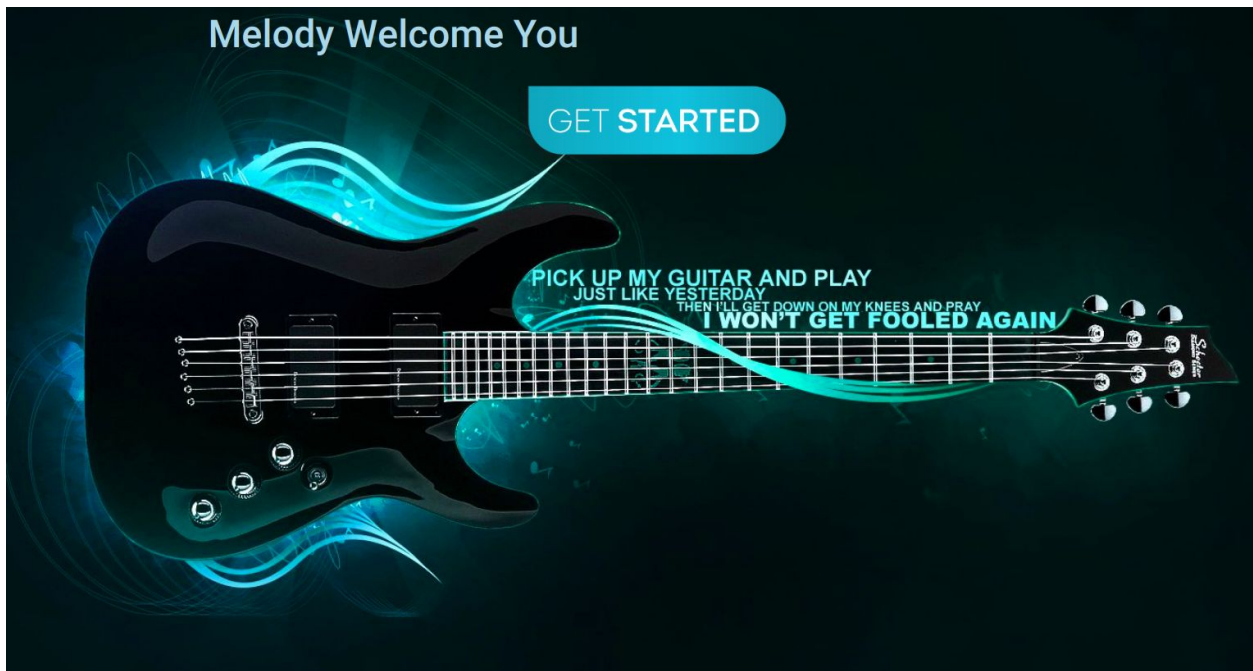
Field	Type	Null	Key	Default	Extra
id	int(11)	NO	PRI	NULL	auto_increment
song_id	int(11)	NO		NULL	
artist_id	int(11)	NO		NULL	
created_at	datetime	NO		CURRENT_TIMESTAMP	
updated_at	datetime	YES		NULL	

5 rows in set (0.00 sec)

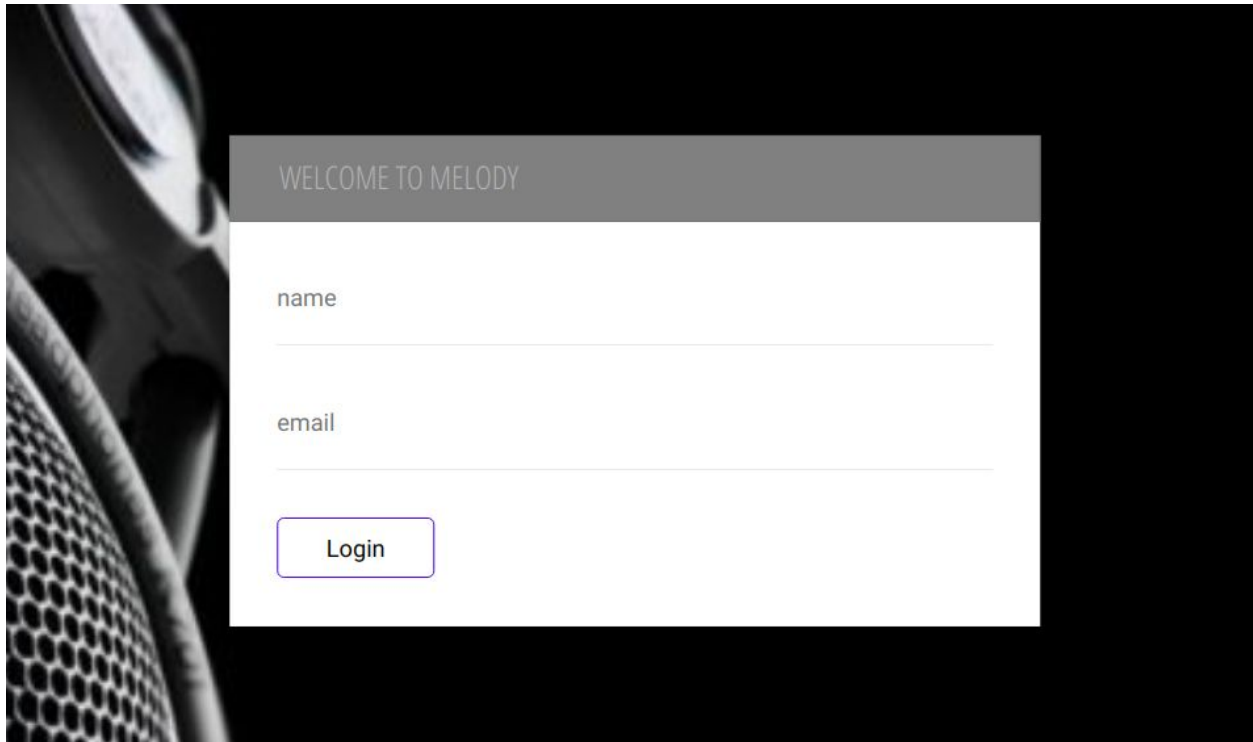
Where i am keeping the mapping relationship in my last table that is Artist\_song\_map and it is getting rated by user and fetched by join with higher rating as first where i have kept the name and email as required field in my app

Below i am providing the screenshots of how you can access my web -console

Get Started:-

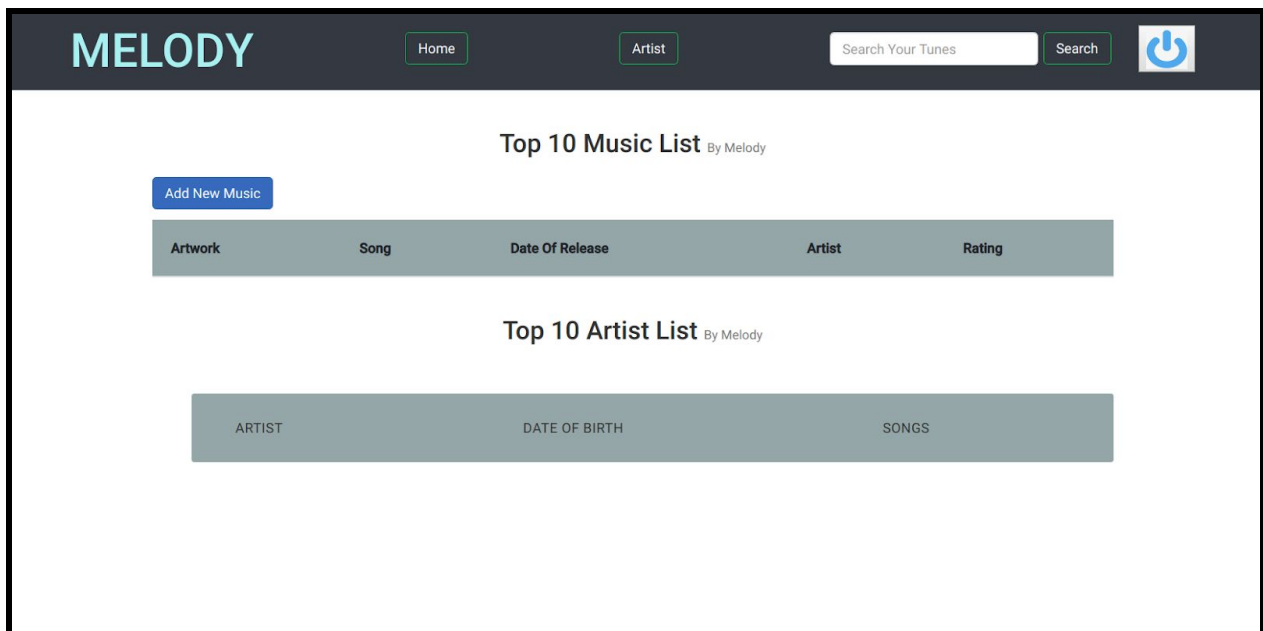


Please click on get started.. To proceed  
Login Page:-




Please login with name and email

If there is no data in our database then the home page will come as a blank page  
HomePage if no data is inserted:-




Add New Music :-

# MELODY

[Home](#)[Search](#)

## Adding New Music


**Song Name**

**Date Released :-**  

**Artwork**

No file chosen

**Artist**



All validation are made here all fields are required and from here a user can add a artist since angular works on virtual DOM so ajax call is always made without page refresh

Please fill all the details the music will be saved with the provided artist.

Add Artist:-

The image shows a web application interface with a modal window titled "Add New Artist". The modal contains the following fields:

- Artist Name:** A text input field with the placeholder text "Enter Artist Name".
- Date Of Birth :-** A date input field with the placeholder text "dd/mm/yyyy" and a calendar icon.
- Bio :-** A text area with the placeholder text "Enter Bio (Max 200 Characters)".

At the bottom of the modal, there are two buttons: "Close" and "Save changes".

In the background, there is a search bar with the text "Search" and a list of artists. The list has a header "Select Artists" and a dropdown arrow. Below the list, there are two buttons: "Cancel" and "Save".

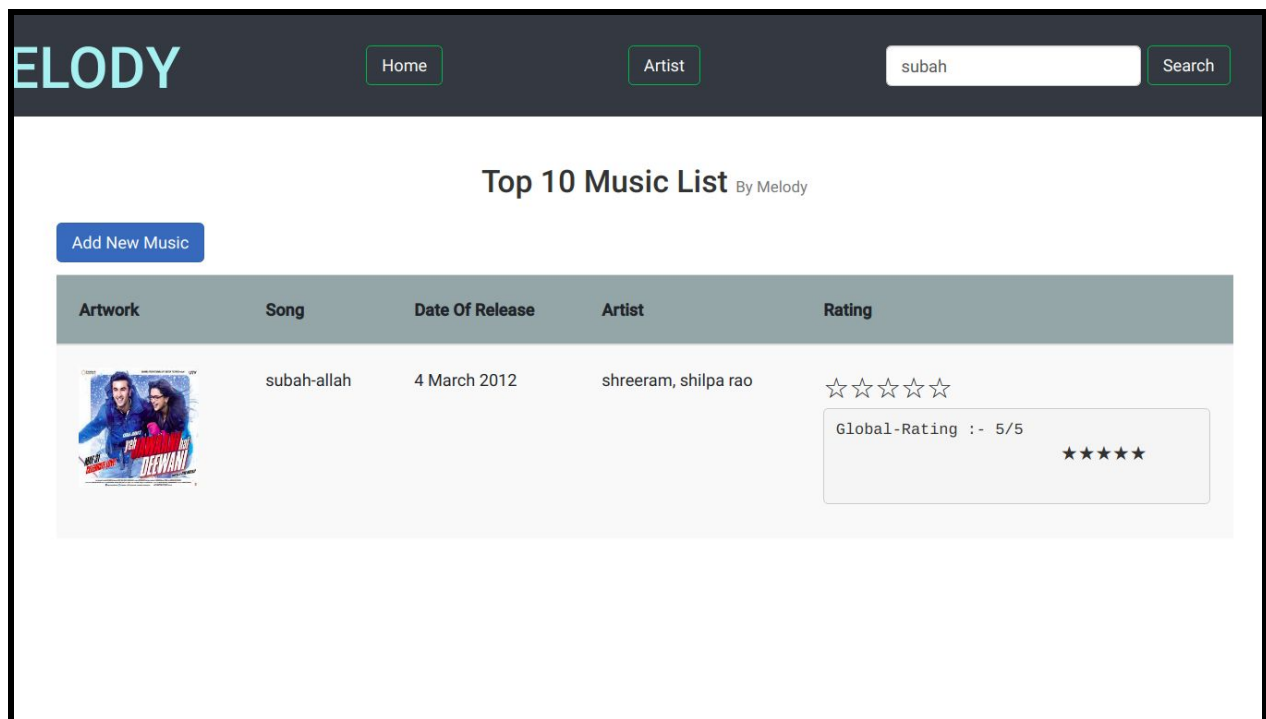
This modal Adds a new Artist to the db .

After saving the new song the page will redirect you to the mail home page where you can rate a particular song

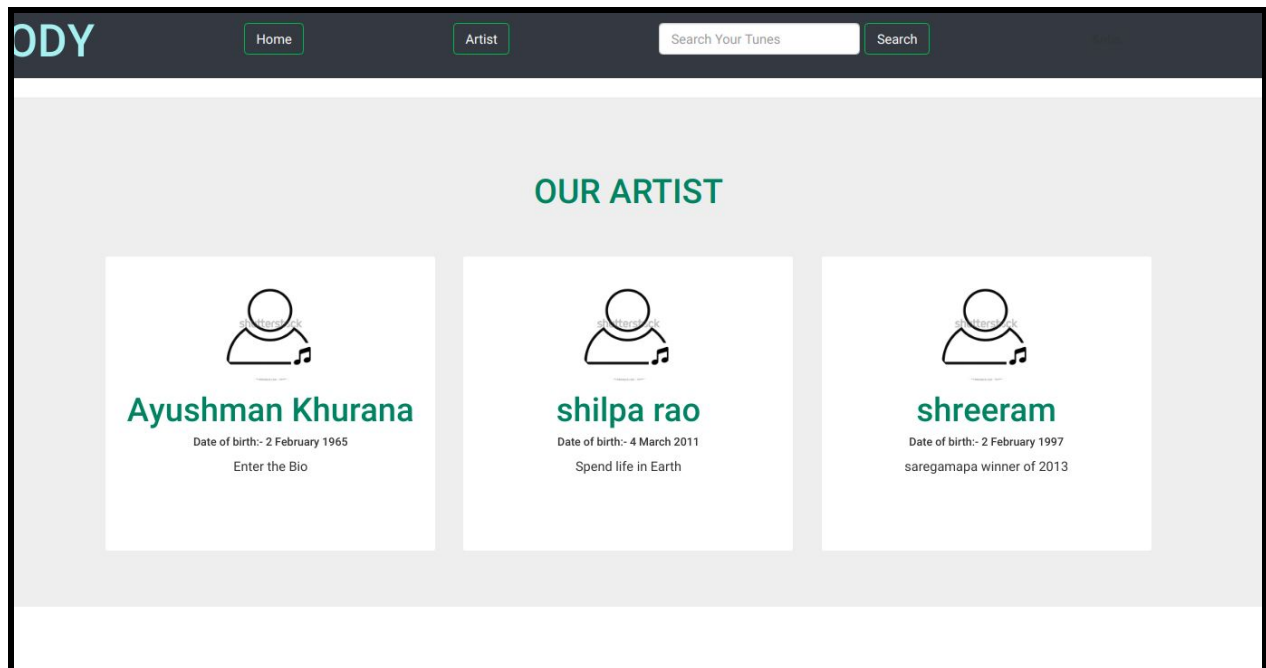
The page looks like below:-



I have also added the search feature in app  
Like below i have search “subah” named song



I am also showing all the artist details in artist tab in my nav-bar:-





And log out will button will make you log out all to panel to the starting login page

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If any query Please let me know so that i can figure it out if any error in dependencies or npm

Yours Faithfully  
Rahul Mukherjee