

# **Software Design & Architecture**

**Group Members:**

**Arfa Mujahid (21I-5758)**

**Nifra Wahaj (21I-5761)**

**Rubina Noor (21I-5794)**

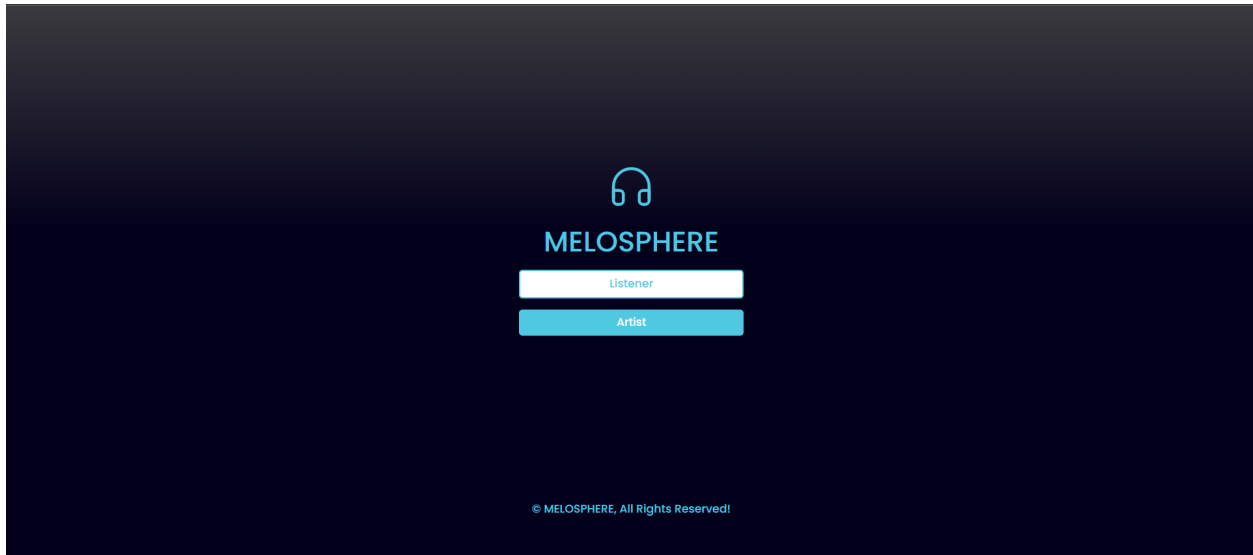
**Muhammad Ahmad (21L-6090)**

**Abdul Rehman (21L-5838)**

# MELOSPHERE

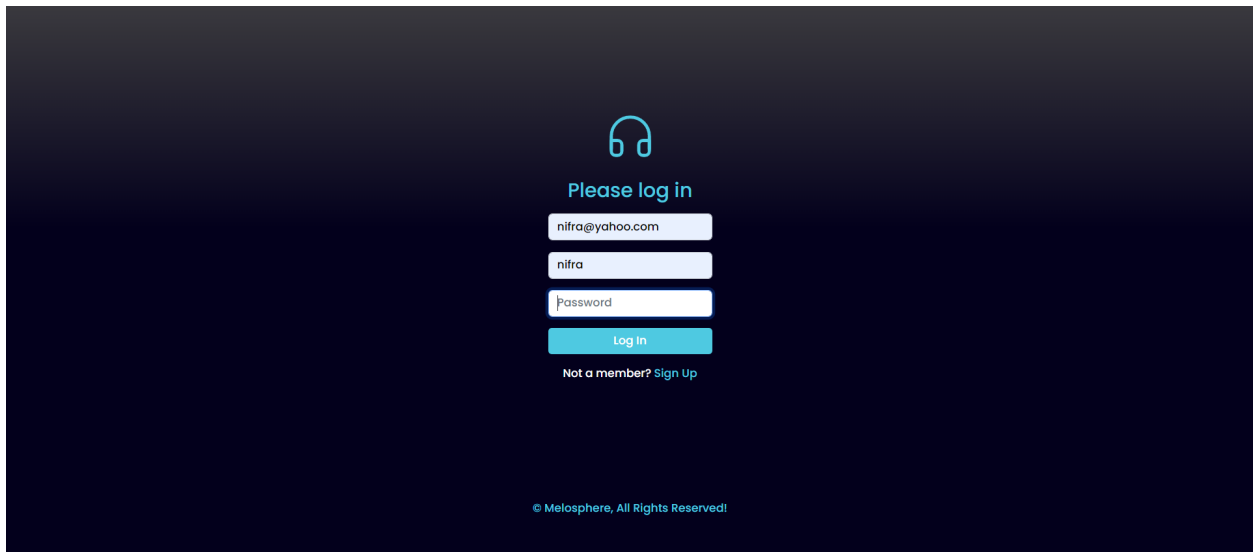
## WelcomePage

Contains buttons for Listener LogIn Page and Artist LogIn Page which will redirect user to those pages respectively.



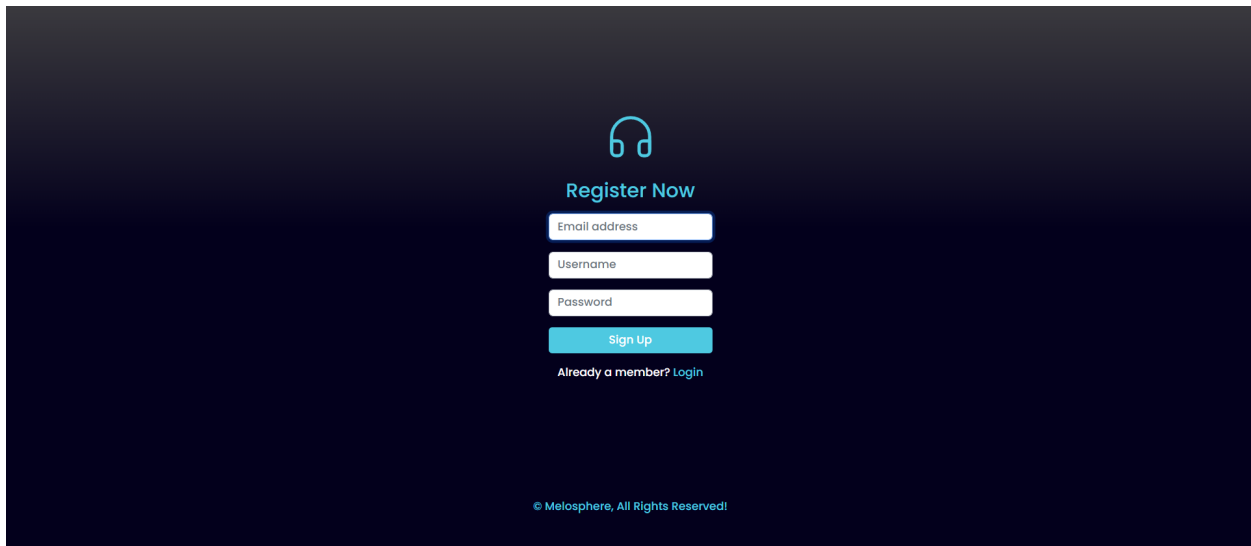
## Listener LogIn

Prompts user to enter email,username,password to login. Or users can click on Sign Up, which redirects to the Listener Sign up page.



## Listener Sign up:

Prompts users to enter email,username,password to sign up. Or users can click on Log In, which redirects to the Listener Log In page.



A dark-themed sign-up form with a central white text area. At the top is a blue headphones icon. Below it is the text "Register Now" in blue. The form contains three white input fields for "Email address", "Username", and "Password". Below these is a blue "Sign Up" button. At the bottom, there is a link "Already a member? Login" in blue. At the very bottom, there is a small copyright notice "© Melosphere, All Rights Reserved!" in blue.

Register Now

Email address

Username

Password

Sign Up

Already a member? Login

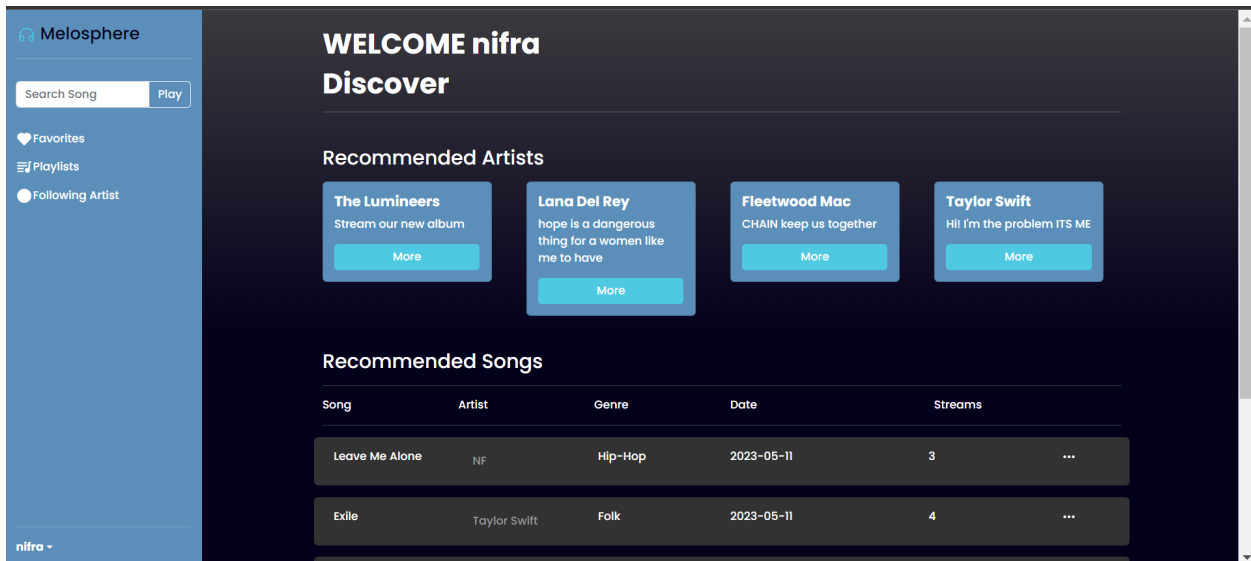
© Melosphere, All Rights Reserved!

## Listener Home Page

Navigation bar allows the user to search for a song and play it. It also has links to Favorites songs, Playlists, and Artists the user follows. At the bottom, it has a profile button.

Home Page displays random artists under Recommended Artists, the more button on each leads to the page of the artist. Below that, 5 random songs are displayed as Recommended Songs.

Each Song can be played by clicking on song name. Clicking on artist name leads to respective artist page. The more icon on each song displays option to 'Add to Favorites' and 'Share'.



The home page features a dark blue sidebar on the left with the "Melosphere" logo and a search bar. The main content area has a "WELCOME nifra Discover" header. Below this are two sections: "Recommended Artists" with four artist cards (The Lumineers, Lana Del Rey, Fleetwood Mac, Taylor Swift) and "Recommended Songs" with a table of songs.

Melosphere

Search Song Play

♥ Favorites

📁 Playlists

● Following Artist

nifra

### WELCOME nifra Discover

#### Recommended Artists

**The Lumineers**  
Stream our new album  
More

**Lana Del Rey**  
hope is a dangerous thing for a women like me to have  
More

**Fleetwood Mac**  
CHAIN keep us together  
More

**Taylor Swift**  
Hi! I'm the problem ITS ME  
More

#### Recommended Songs

Song	Artist	Genre	Date	Streams	
Leave Me Alone	NF	Hip-Hop	2023-05-11	3	...
Exile	Taylor Swift	Folk	2023-05-11	4	...

## Listener Home Page(cont.)

The screenshot shows the Melosphere interface with a sidebar on the left containing a search bar, 'Favorites', 'Playlists', and 'Following Artist' (nifra). The main content area features a 'Recommended Songs' section with a table of songs. Above the table, there are four 'More' buttons, each associated with a song snippet: 'thing for a women like me to have', 'More', 'More', and 'More'.

Song	Artist	Genre	Date	Streams	
Leave Me Alone	NF	Hip-Hop	2023-05-11	3	...
Exile	Taylor Swift	Folk	2023-05-11	4	...
Dreams	Fleetwood Mac	Rock	2023-05-11	6	...
StarBoy	The Weeknd	R&B	2023-05-10	5	...
Die For You	The Weeknd	R&B	2023-05-10	9	...

## Random artist

On reload, Recommended Artist change

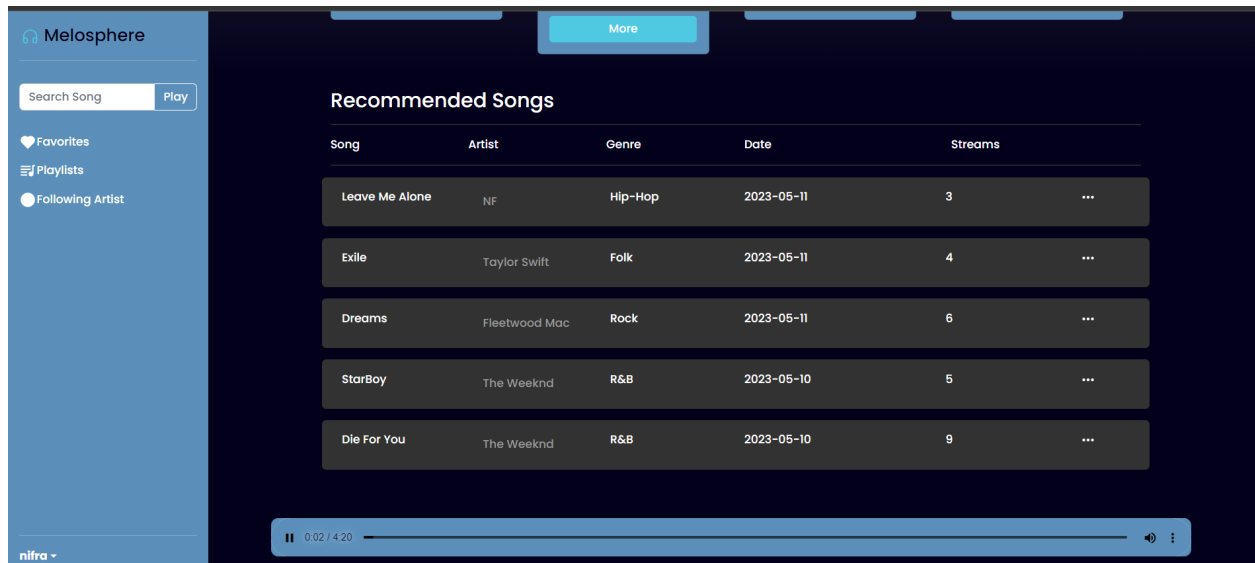
The screenshot shows the Melosphere interface with a sidebar on the left containing a search bar, 'Favorites', 'Playlists', and 'Following Artist' (nifra). The main content area features a 'WELCOME nifra Discover' section. Below this, there is a 'Recommended Artists' section with four artist cards: Taylor Swift (Hill I'm the problem ITS ME), The Lumineers (Stream our new album), Fleetwood Mac (CHAIN keep us together), and The Weeknd (I'm a StarBoy). Each card has a 'More' button. Below the artists is a 'Recommended Songs' section with a table of songs.

Song	Artist	Genre	Date	Streams	
Style	Taylor Swift	Pop	2023-05-11	7	...
Gold Rush	Taylor Swift	Folk	2023-05-11	6	...
Die For You	The Weeknd	R&B	2023-05-10	10	...

## Listener Home Page(cont.)

### Playsong

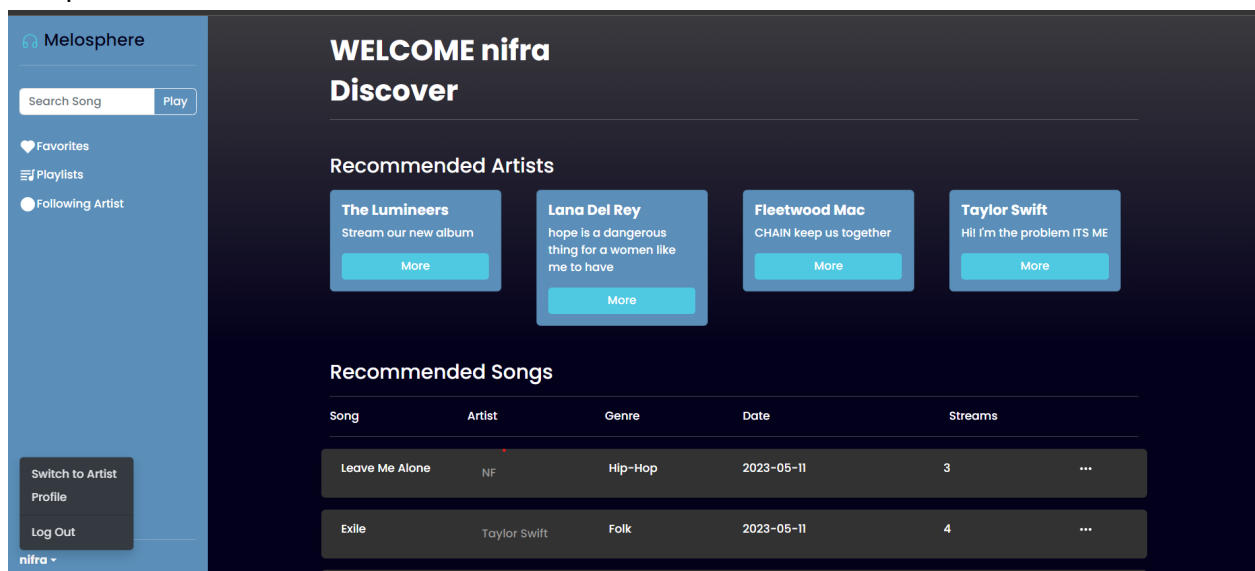
When the user clicks on the song name, the audio player pops below.



## Listener Home Page(cont.)

### Profile option

Profile button leads to drop down which allows users to Logout, switch to Artist, or view their own profile.



## Listener Views Artist Profile

When an artist 's name is clicked from any song, their profile page opens. This has an Artist name, Bio, Follow/Unfollow button. It also displays their top most streamed songs.

The screenshot shows the Melosphere application interface. On the left is a blue sidebar with the Melosphere logo, a search bar, and navigation links for Favorites, Playlists, and Following Artist. The main content area is dark blue and displays the profile for Taylor Swift. It includes her name, a bio snippet, a 'Follow' button, and a 'Top Songs' section with a table of her most streamed tracks.

Song	Artist	Genre	Date	Streams	
Style	Taylor Swift	Pop	2023-05-11	7	...
Gold Rush	Taylor Swift	Folk	2023-05-11	6	...
Exile	Taylor Swift	Folk	2023-05-11	4	...
Its time to go	Taylor Swift	Folk	2023-05-11	4	...

## Listener Views Artist Profile (contd.)

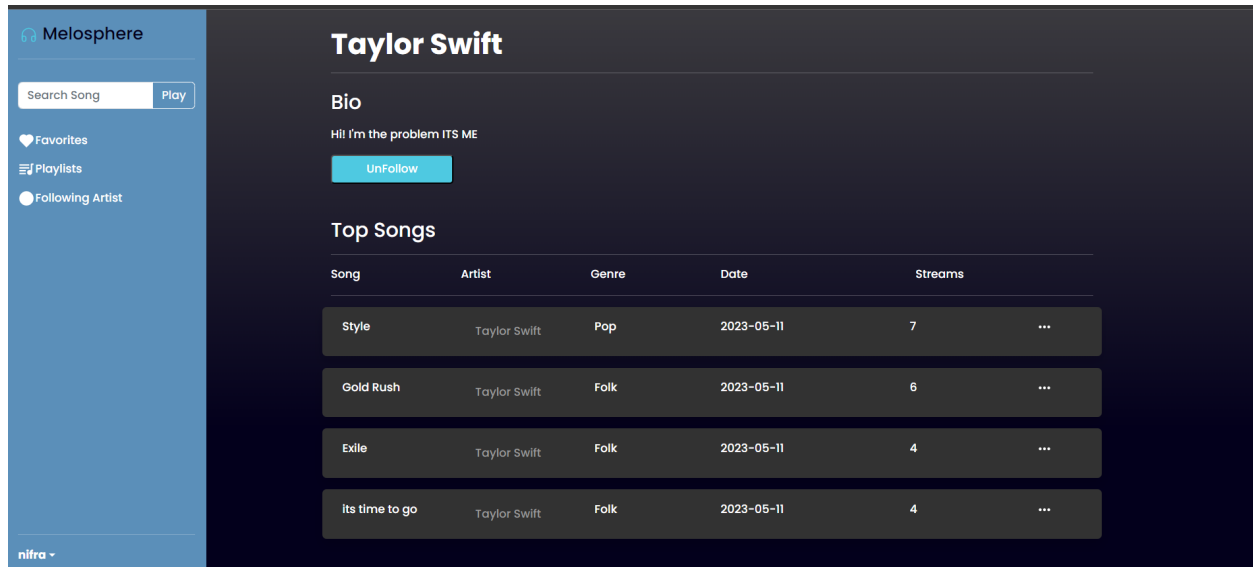
It also displays all the songs a particular artist has uploaded.

This screenshot continues the artist profile for Taylor Swift, showing the 'All Songs' section. It features a table listing all songs uploaded by the artist, including 'Style', 'Gold Rush', 'Exile', and 'its time to go', with their respective genres, upload dates, and stream counts.

Song	Artist	Genre	Date	Streams	
Style	Taylor Swift	Pop	2023-05-11	7	...
Gold Rush	Taylor Swift	Folk	2023-05-11	6	...
Exile	Taylor Swift	Folk	2023-05-11	4	...
its time to go	Taylor Swift	Folk	2023-05-11	4	...

## Listener Views Artist Profile (contd.)

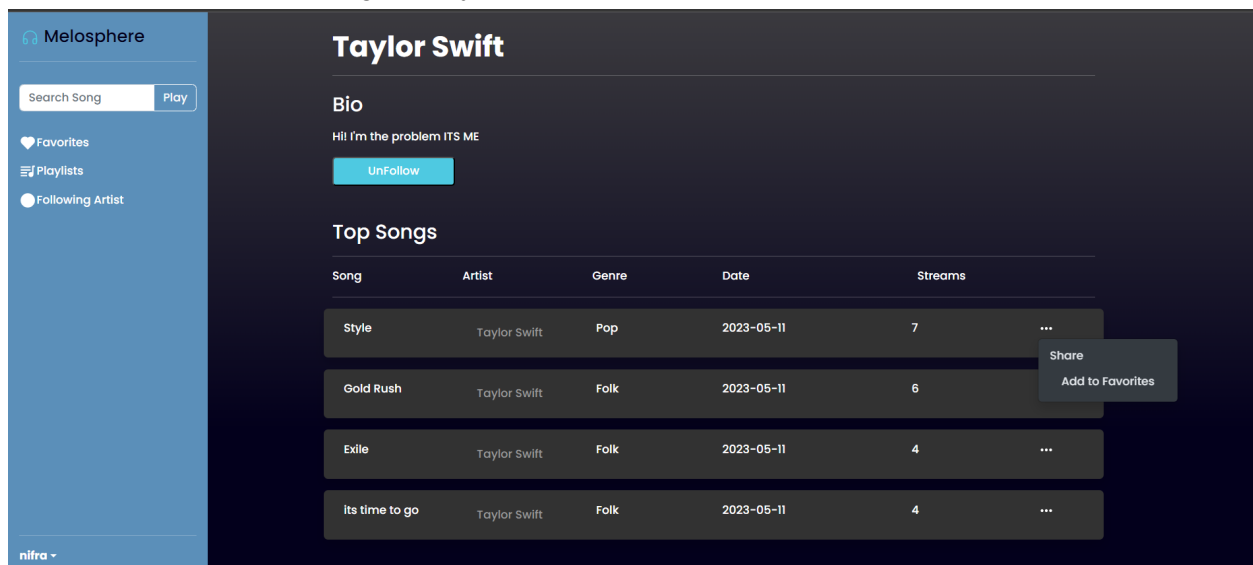
### Follow unfollow artist



## Listener Views Artist Profile (contd.)

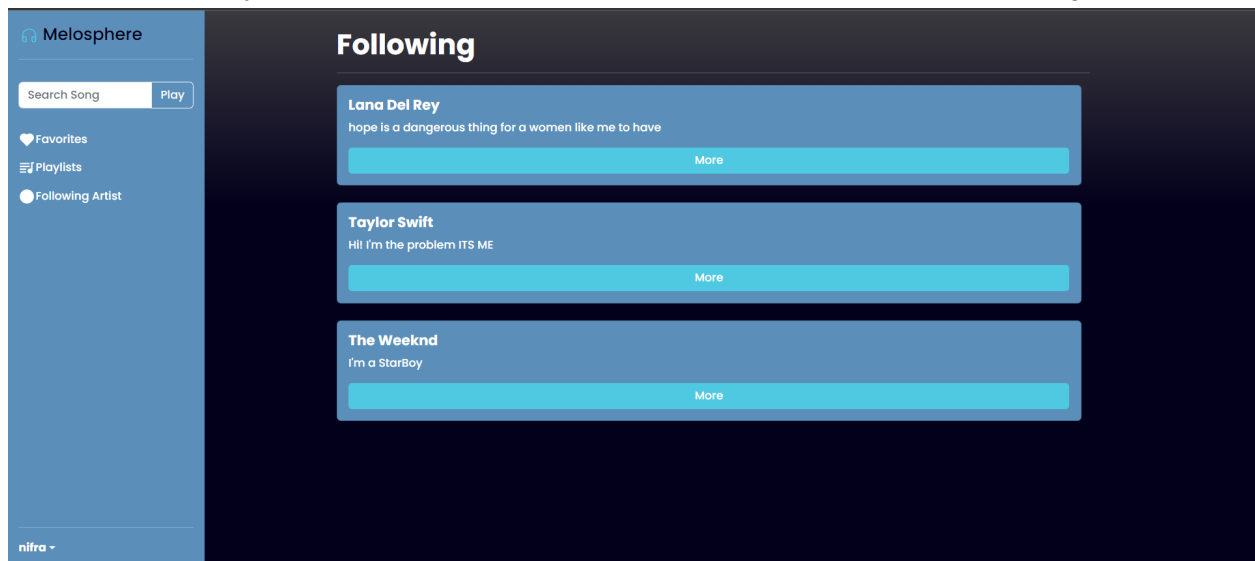
### Song options

The more icon on each song displays option to 'Add to Favorites' and 'Share'.



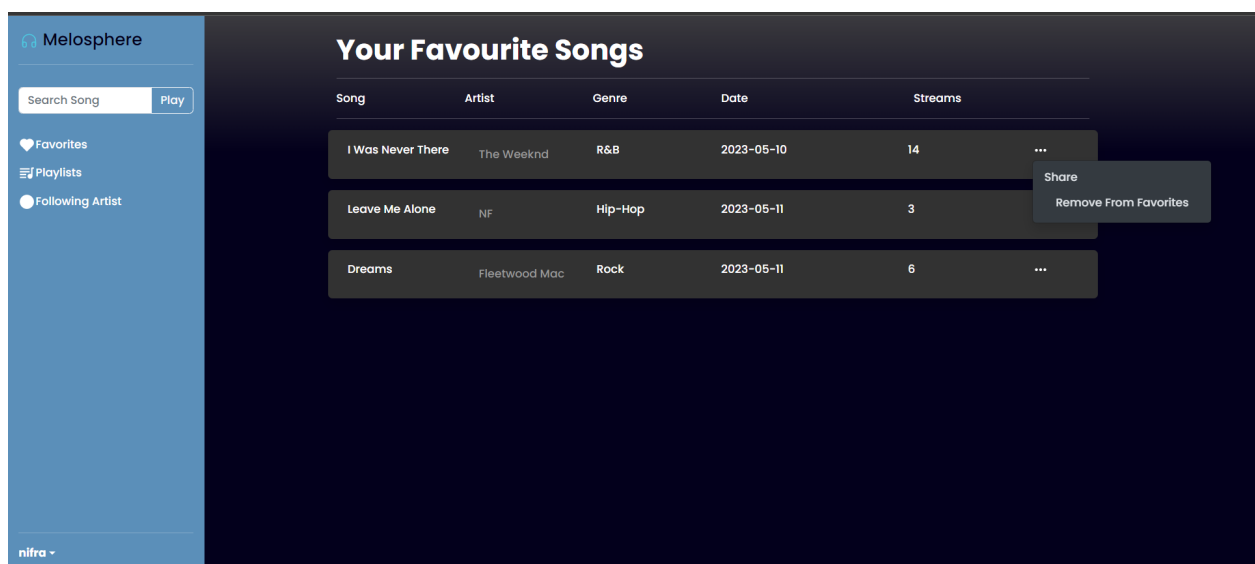
## Following artist

This option from the navigation leads to the page displaying all artists the user clicked the follow button for. It displays each artist's name, bio and more button leads to the artist page.



## Favorite songs

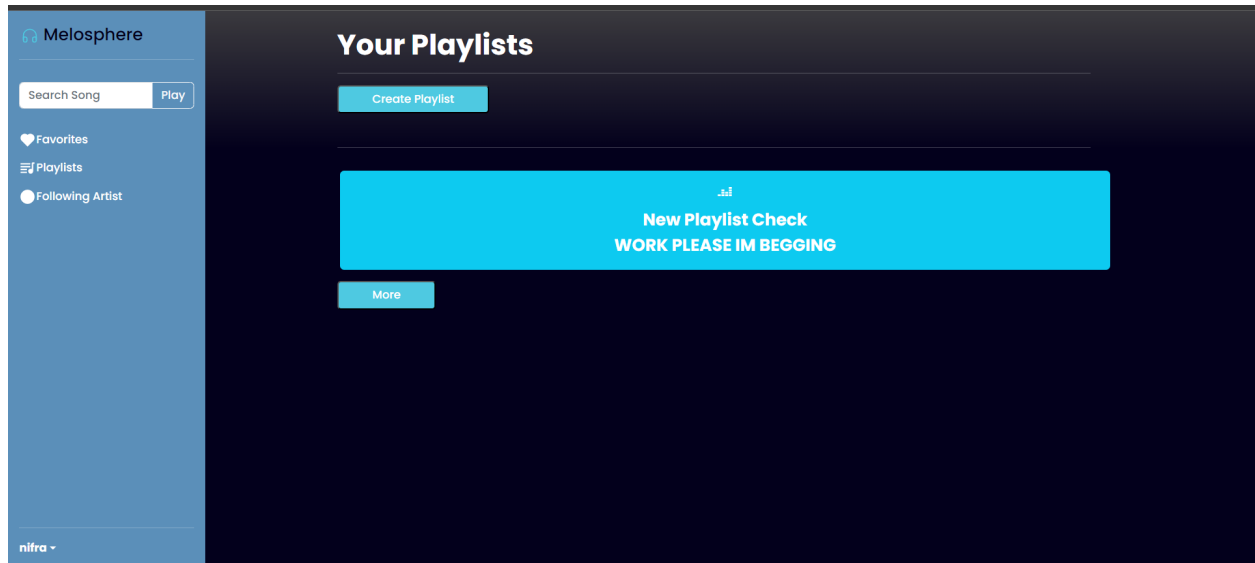
Songs user selected 'Add to Favorite' for appears on this page, which is accessed from the navigation bar. User can remove the song from this list or share it, both from the more button.





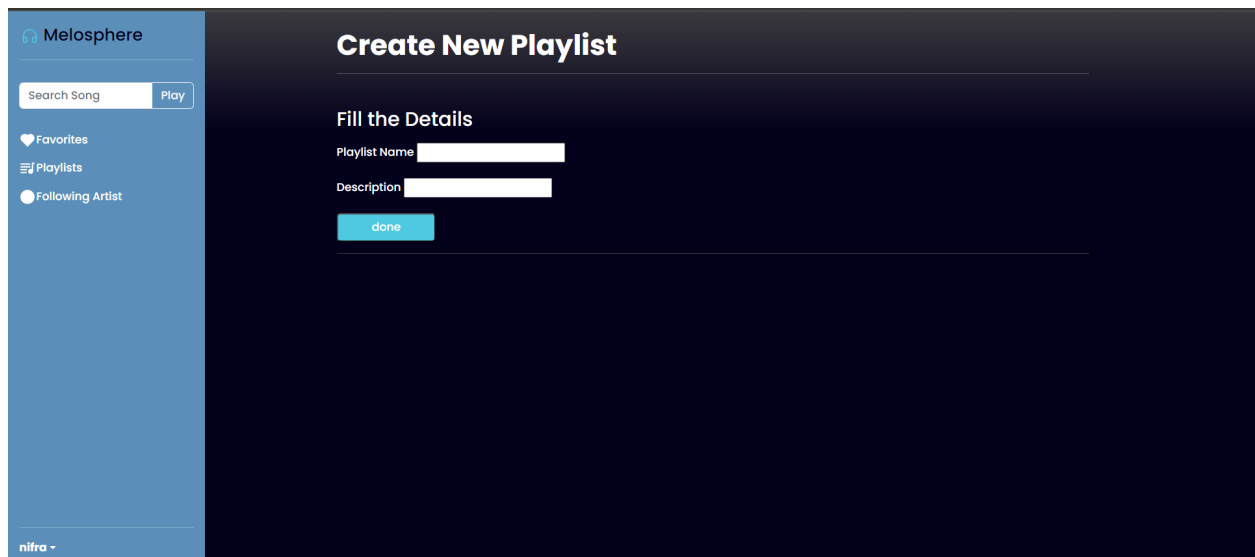
## All playlists

This page is accessed from the navigation bar. It displays all playlists the user has created. It has a button 'create playlist' which allows the user to make a new playlist. Each playlist has a more button which directs the user to that playlist's page.



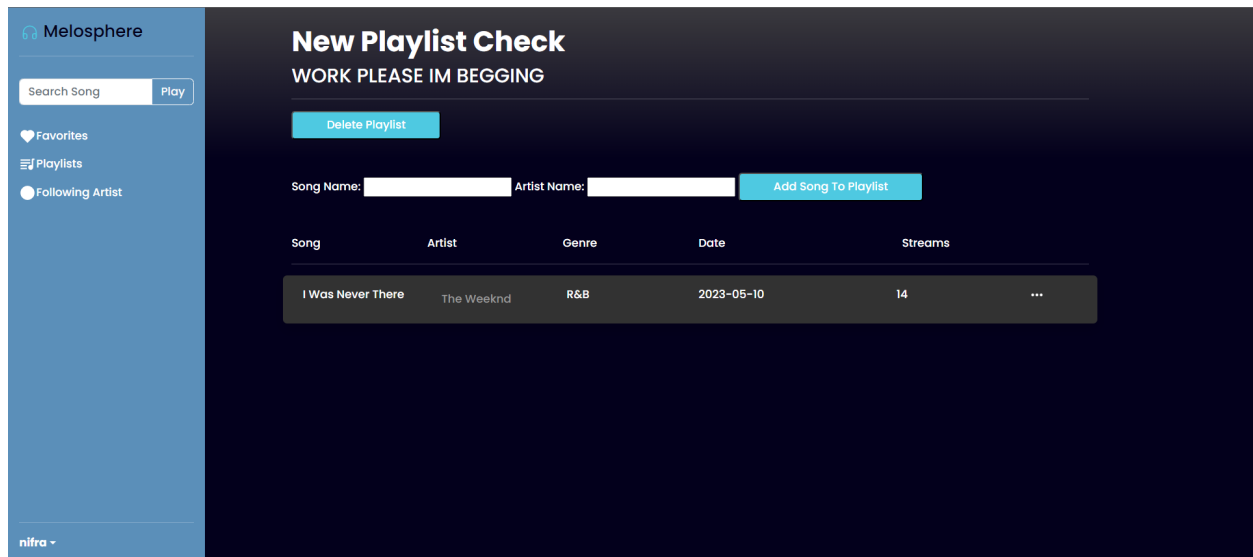
## Make playlist

'Create Playlist' buttons leads to this. User enters playlist name and description and clicks done to create a new playlist.



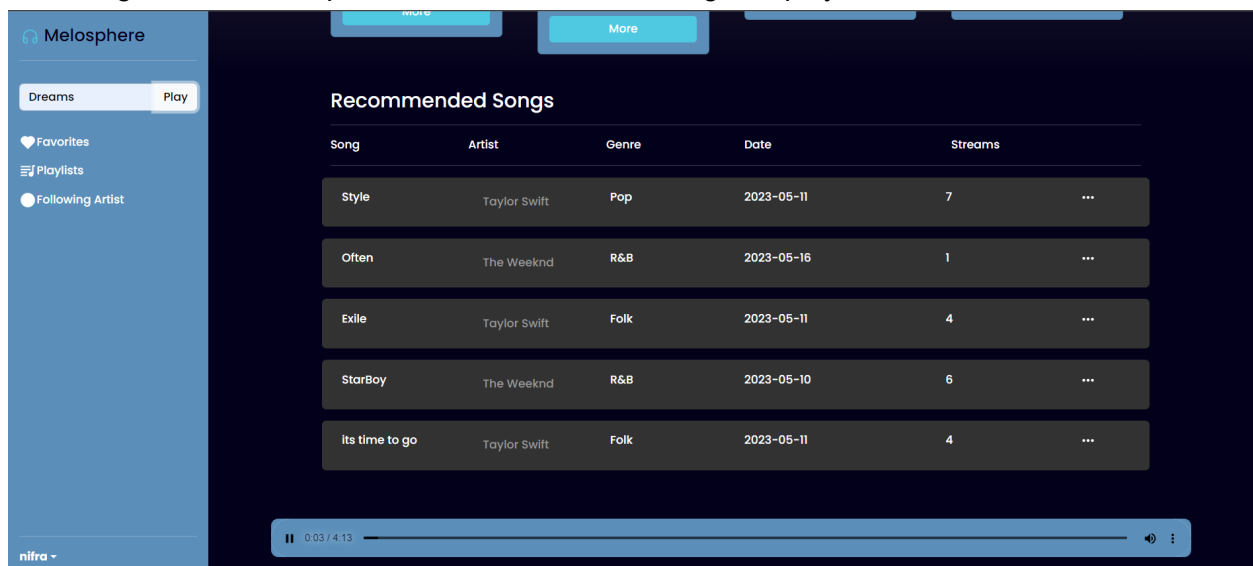
## Individual playlist page

Clicking on more for a playlist leads to this. Playlist name is displayed, followed by description. User can delete the playlist and add songs to the playlist by entering the song name, artist name, and clicking 'Add Song To Playlist'. Below all songs in the playlist are displayed.



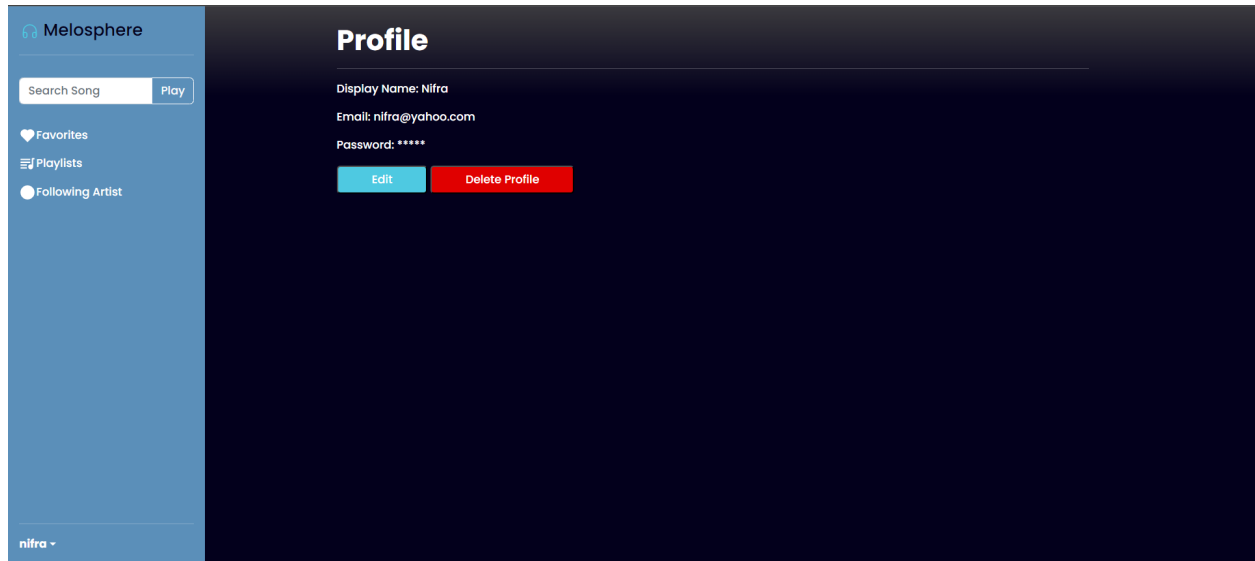
## Search and play song

The navigation bar has option to let user search a song and play it.



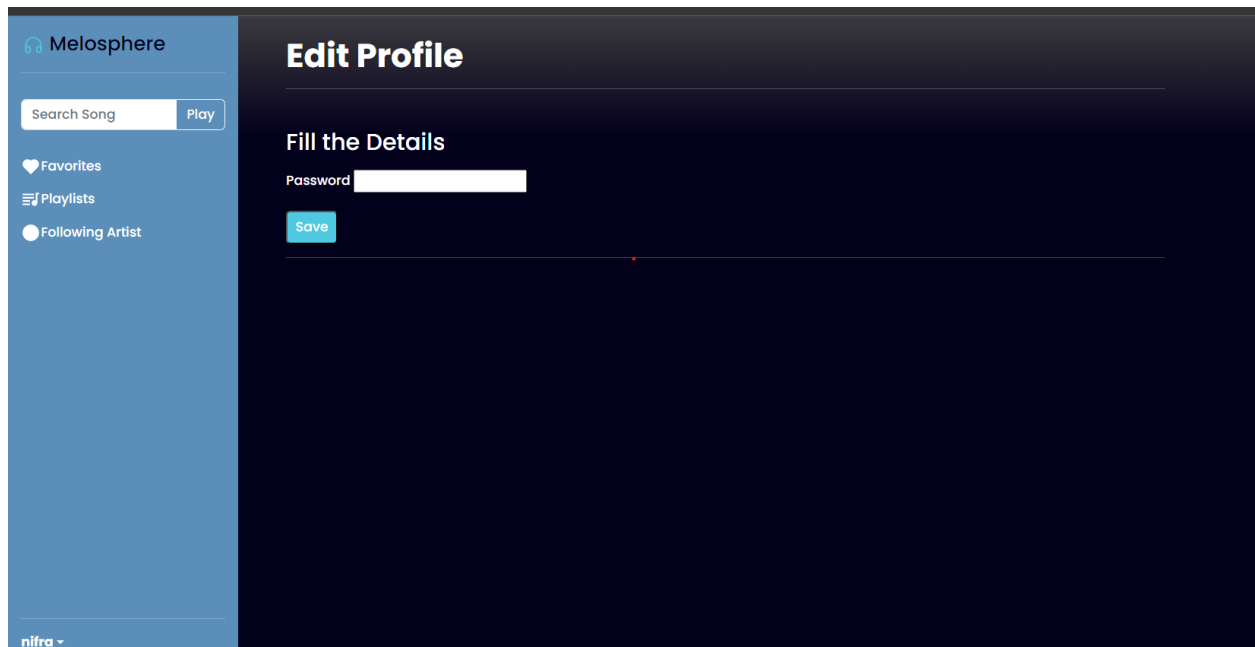
## Profile page

Clicking on the Profile button on navigation leads to this page. User can view name and email. User can change password by clicking the edit button and delete profile from that respective button.



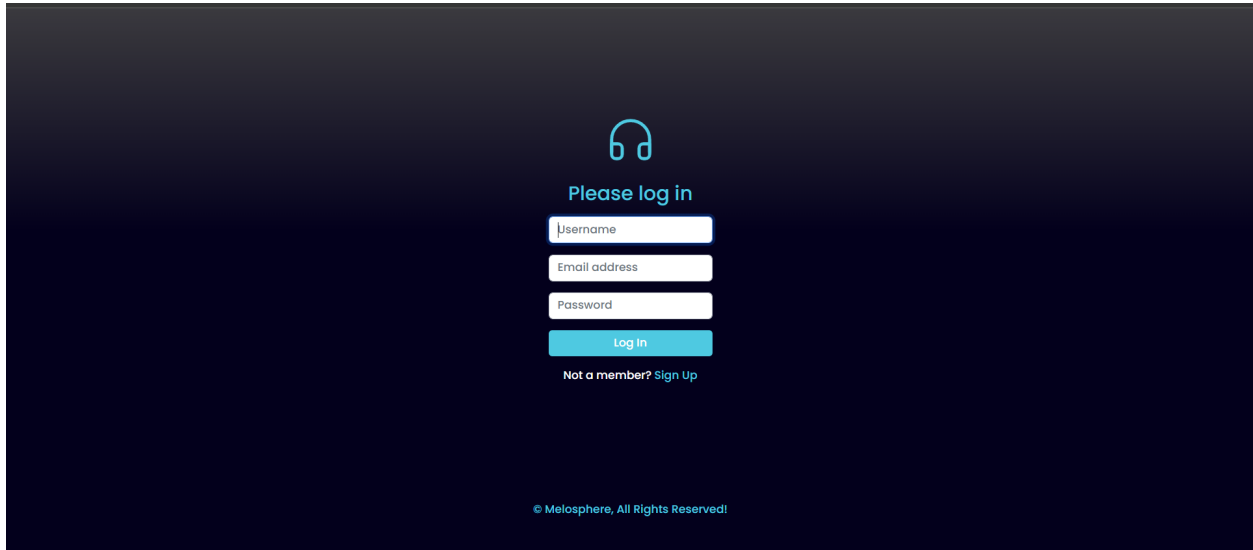
## Edit profile

Clicking on the Edit page allows user to enter new password and save.



## Artist Login

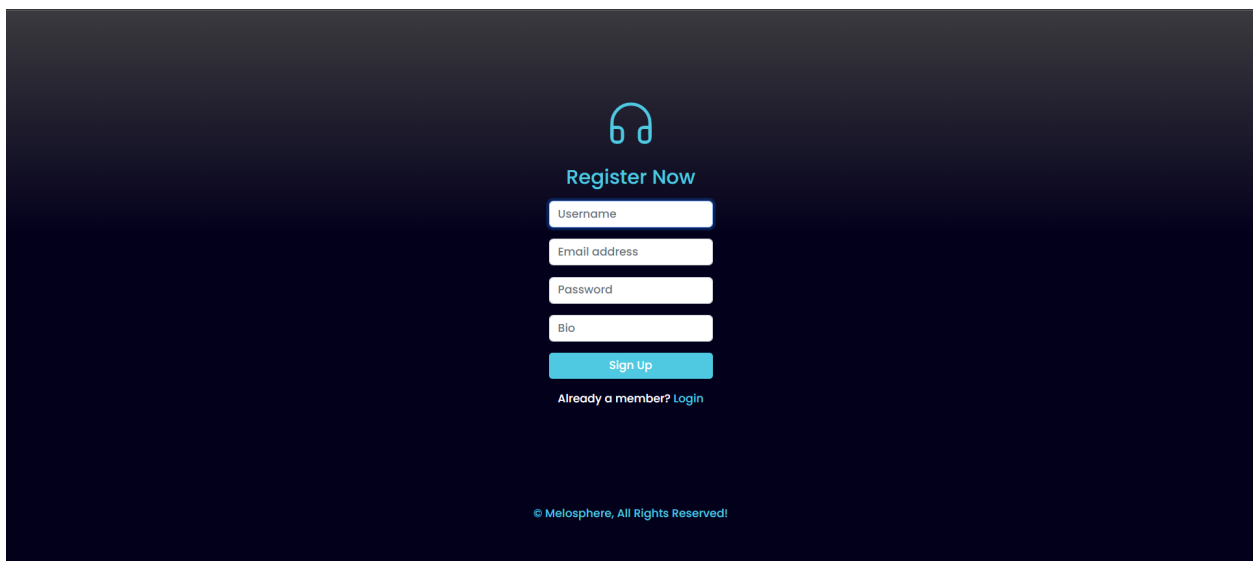
Prompts user to enter email,username,password to login. Or users can click on Sign Up, which redirects to the Listener Sign up page.



The image shows a login form for artists on a dark blue background. At the top center is a white headphones icon. Below it is the text "Please log in" in white. There are three white input fields stacked vertically, labeled "Username", "Email address", and "Password". Below these fields is a blue button with the text "Log In" in white. Underneath the button is the text "Not a member? Sign Up" in white. At the bottom center, there is a small copyright notice: "© Melosphere, All Rights Reserved!" in white.

## Artist sign up

Prompts users to enter email,username,password to sign up. Or users can click on Log In, which redirects to the Listener Log In page.

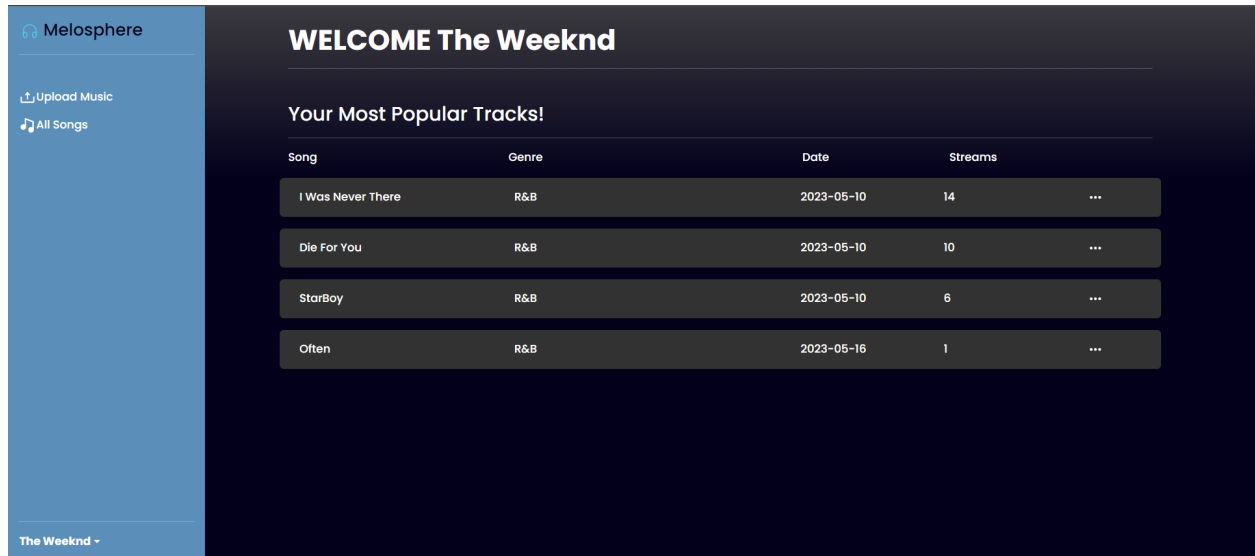


The image shows a sign-up form for artists on a dark blue background. At the top center is a white headphones icon. Below it is the text "Register Now" in white. There are four white input fields stacked vertically, labeled "Username", "Email address", "Password", and "Bio". Below these fields is a blue button with the text "Sign Up" in white. Underneath the button is the text "Already a member? Login" in white. At the bottom center, there is a small copyright notice: "© Melosphere, All Rights Reserved!" in white.

## Artist homepage

Navigation bar allows the user to upload music and view all their uploaded music. At the bottom, it has a profile button.

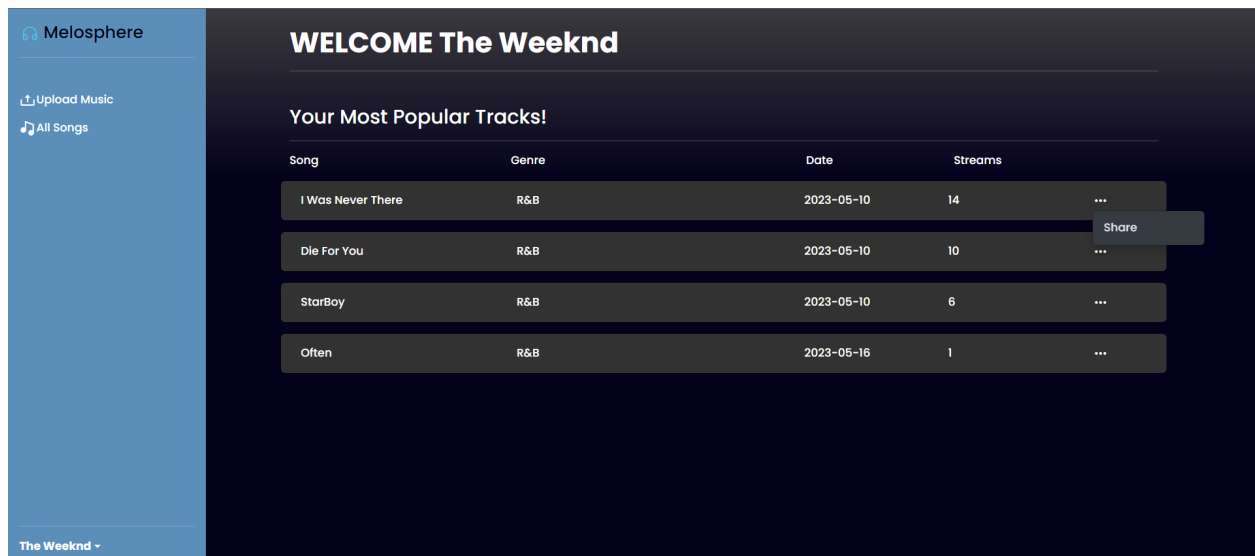
Home Page displays the most popular songs of that artist.



## Artist homepage(contd.)

### Share

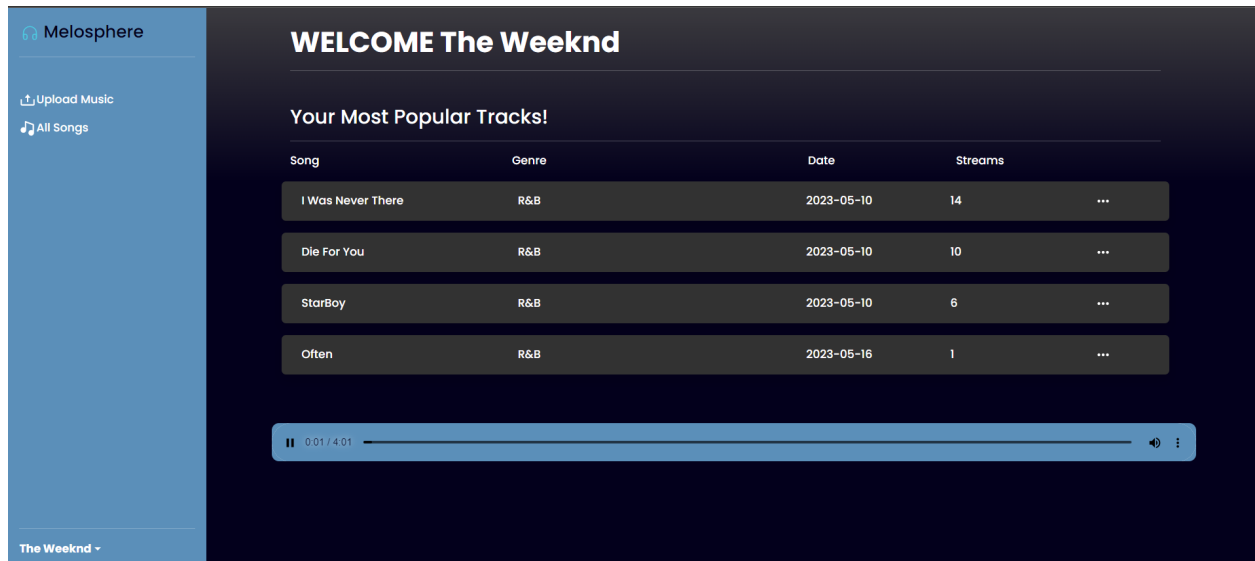
Each song has more buttons, users can click on share to copy link.



## Artist homepage(contd.)

### Play

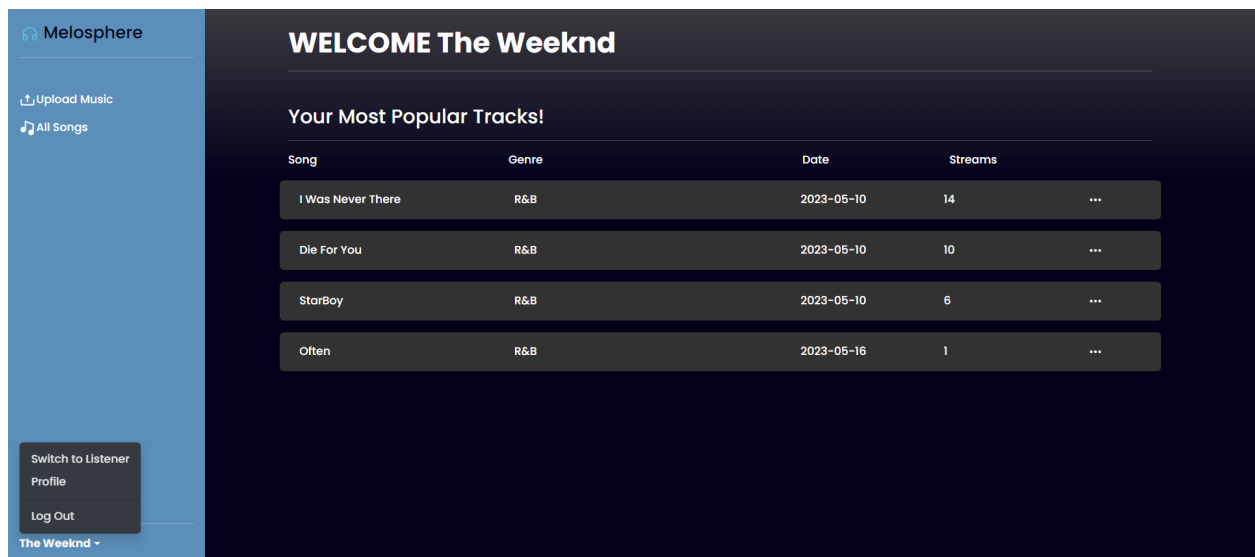
Users can click on the song name to play the song, and an audio player will pop up at the bottom.



## Artist homepage(contd.)

### Profile Option

User has option to Log Out, Switch to Listener Account or View their profile.



## Upload song

The Upload Music option from the navigation bar prompts the user to enter Song Name, Genre and choose a file to be uploaded. Clicking the Upload button uploads the song.

The screenshot shows the 'Upload Song' form in the Melosphere application. The left sidebar contains the Melosphere logo, 'Upload Music' (active), 'All Songs', and 'The Weeknd' dropdown. The main content area has a title 'Upload Song' and a section 'Fill the Details'. It includes input fields for 'Song Name' and 'Genre', a file selection area with a 'Choose File' button and 'No file chosen' text, and an 'Upload' button.

Melosphere

Upload Music

All Songs

The Weeknd ▾

### Upload Song

Fill the Details

Song Name

Genre

Choose File No file chosen

Upload

## All songs

The All Songs option displays all the songs the artist has uploaded.

The screenshot shows the 'All Songs' table in the Melosphere application. The left sidebar is identical to the previous screenshot. The main content area has a title 'All Songs' and a table with columns: Song, Genre, Date, Streams, and an ellipsis for actions. The table contains four rows of song data.

Melosphere

Upload Music

All Songs

The Weeknd ▾

### All Songs

Song	Genre	Date	Streams	
I Was Never There	R&B	2023-05-10	14	...
Die For You	R&B	2023-05-10	10	...
StarBoy	R&B	2023-05-10	6	...
Often	R&B	2023-05-16	1	...

## Profile

The artist can view their profile page, it displays the name and email. The password can be changed from the Edit button (like for listener) and profile is deleted by the Delete Profile button.

