



Integrated Project-I

Resound

Under the Guidance Of

Name: Dr. Abhishek Thakur

Designation: Mentor

**Department of Computer Science &
Engineering**

Submitted By:

Madhav Goyal (2011981262)

Akhilesh Thakur (2111981020)

Akshita (2111981026)

Anjori (2111981033)

Department of Computer Science & Engineering

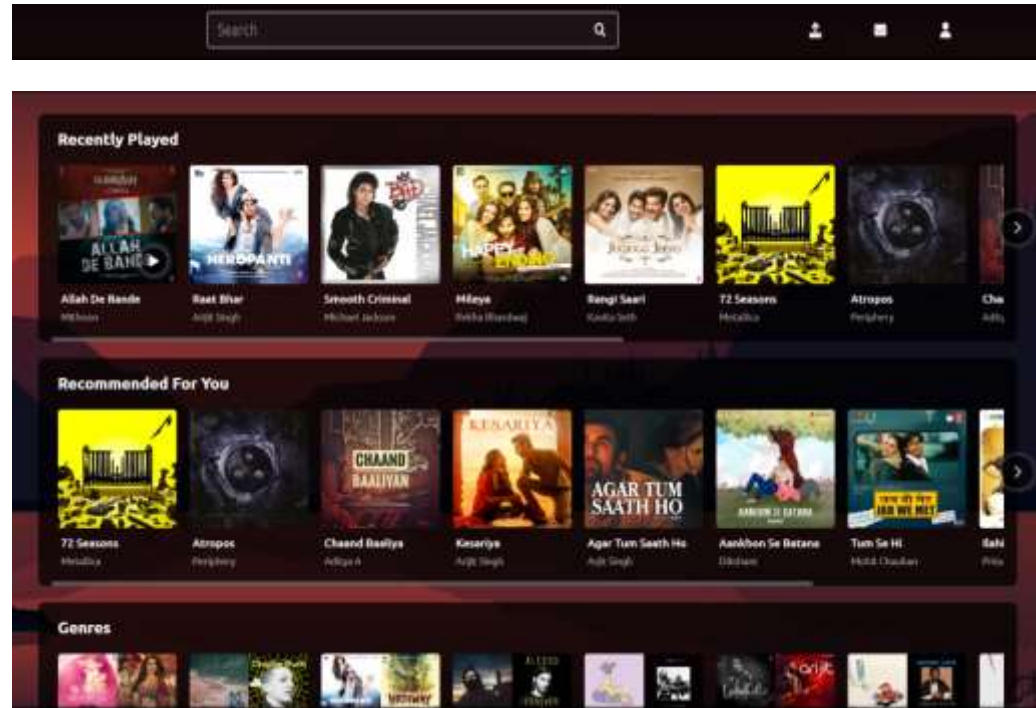
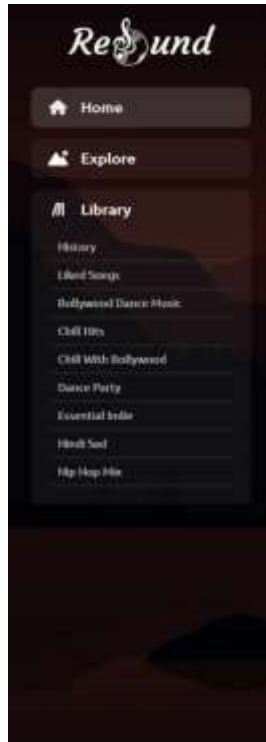
Chitkara University, Himachal Pradesh

Introduction:

- The website Re&ound is a music streaming platform on which users can stream their favorite music.
- The website has three different tabs for its main window: Home, Explore and Library, which can be accessed through the side Navbar.
- The Home page is the first page the user lands on upon opening the website and shows the user's recently played music, recommended songs, and some popular playlists that the user might like.
- The Explore page has various playlists based on moods, genres, singers and popularity, and new music for the user to explore. Finally, the Library shows the user's streaming history, liked songs and saved playlists.
- The user can search for music using the Search Bar at the top and play their favourite music.
- Users can easily Log In and Log Out using the Profile icon in the top right to access their personal saved music and playlists.

Website Layout:

Navbar



Header

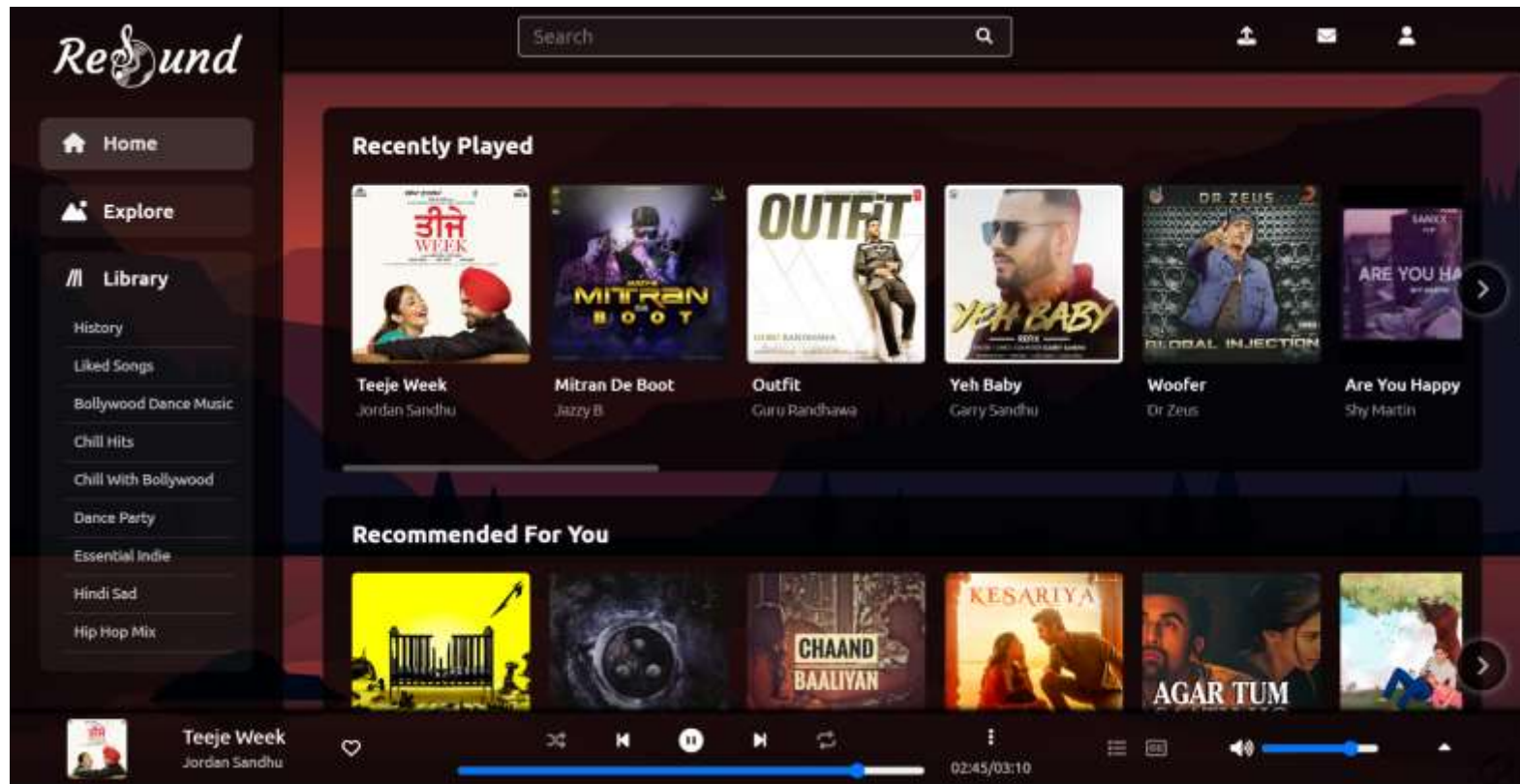
Content
Window



Main Player

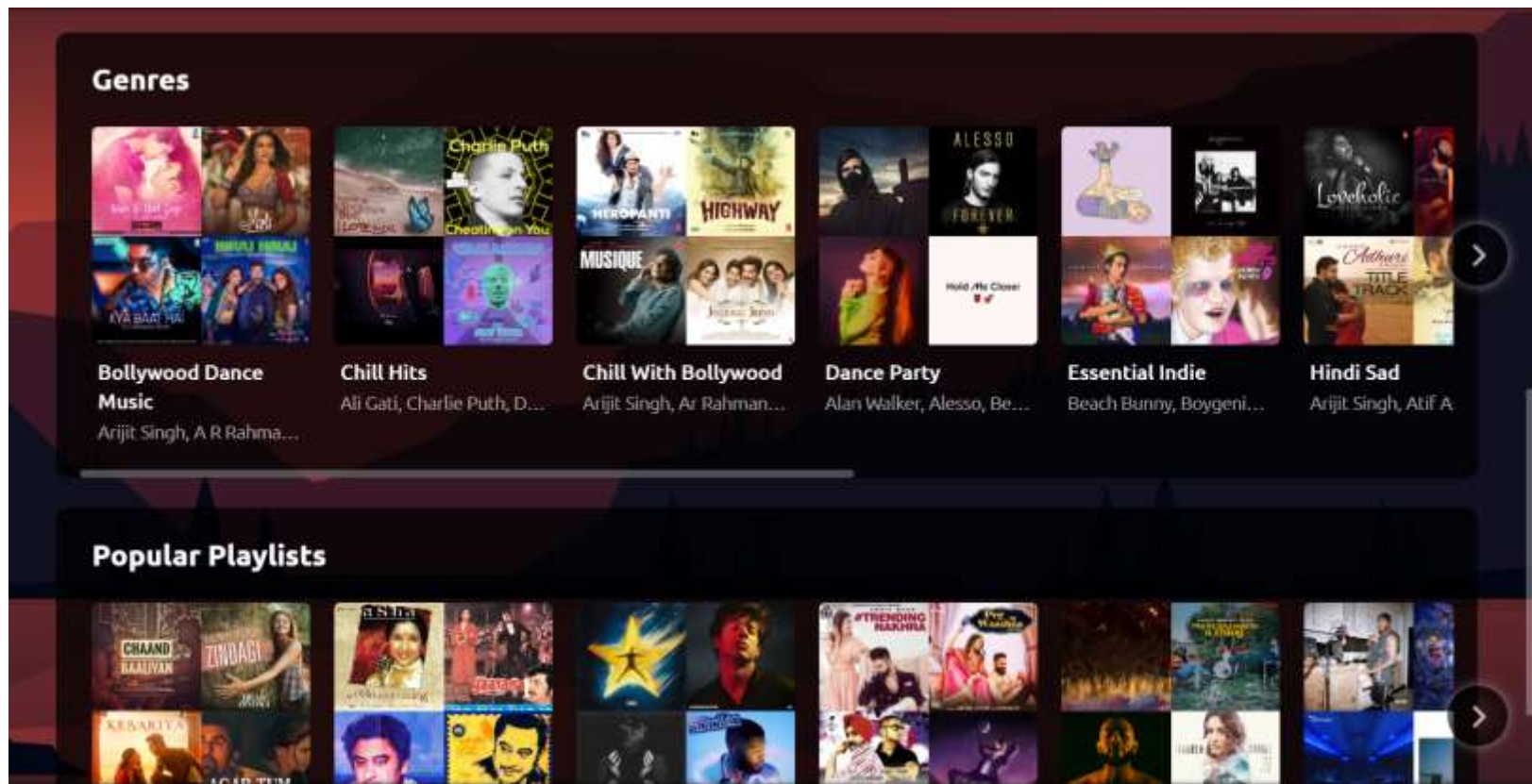
The main window of the website is divided into 4 main sections.

Home Tab:



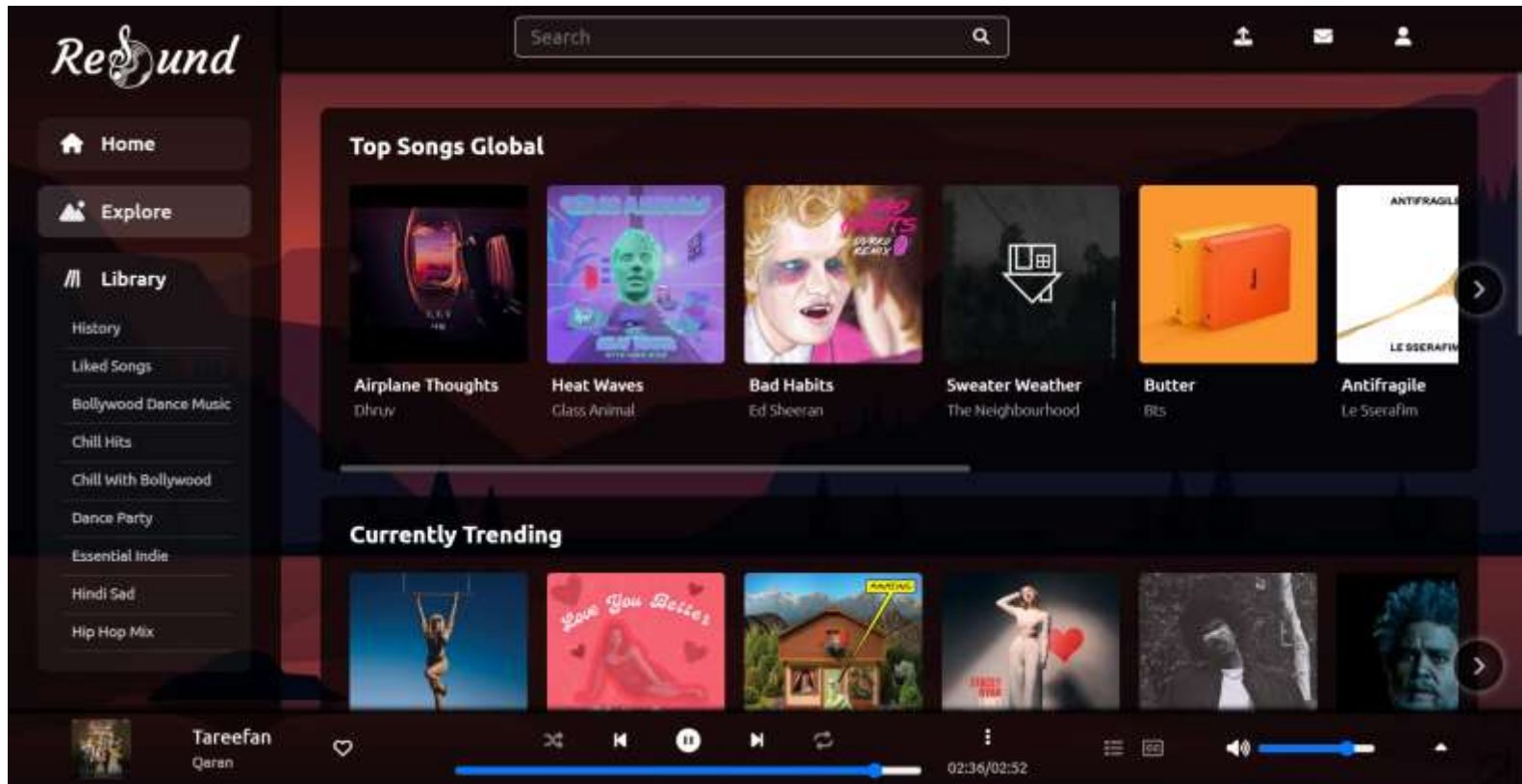
The user's recently played songs and playlists, recommended songs, popular songs and genres are found in the Home Tab.

Genres and Popular Playlists:



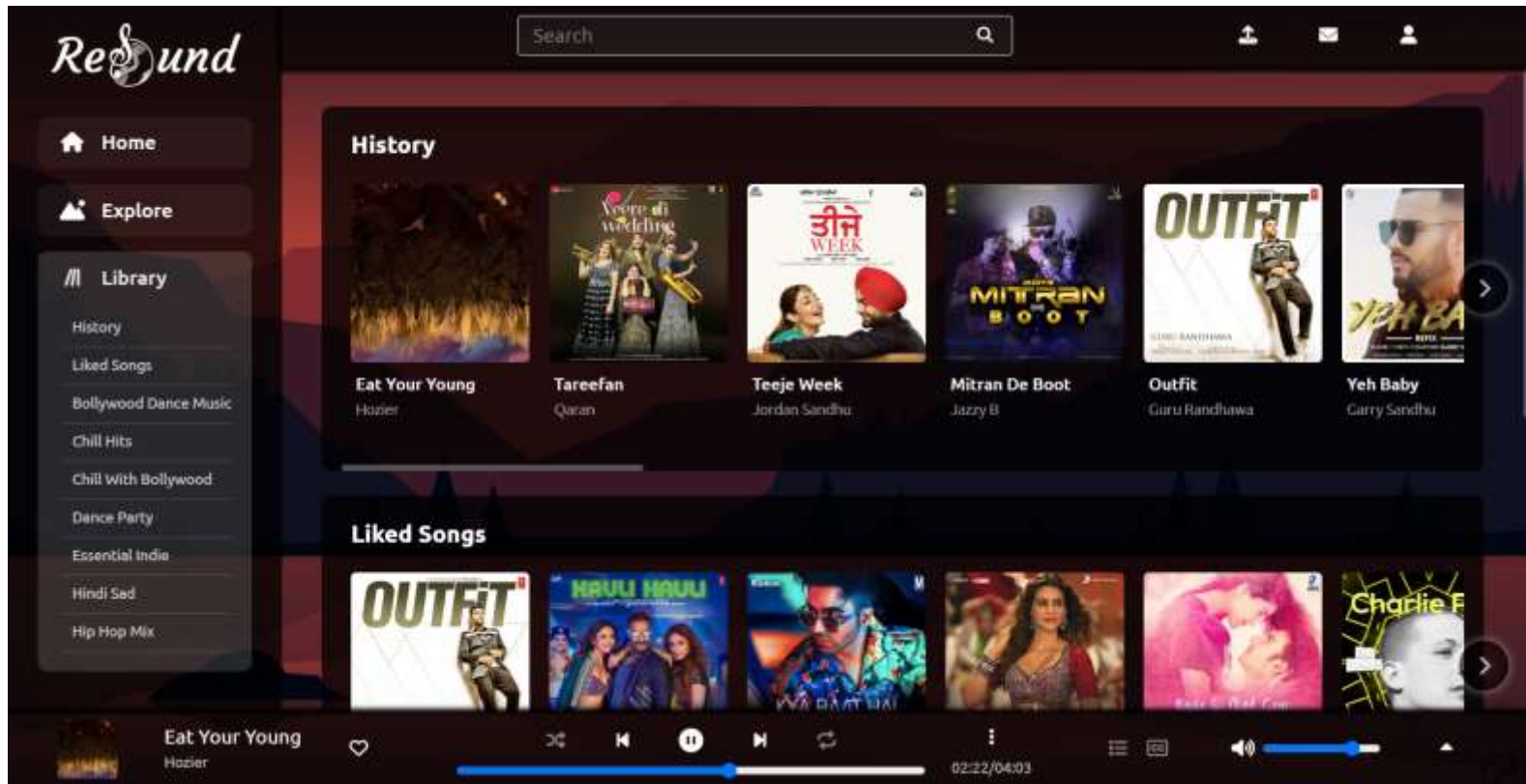
You can also find multiple songs based on your preferred genre and various popular playlists in the Home Tab.

Explore Tab:



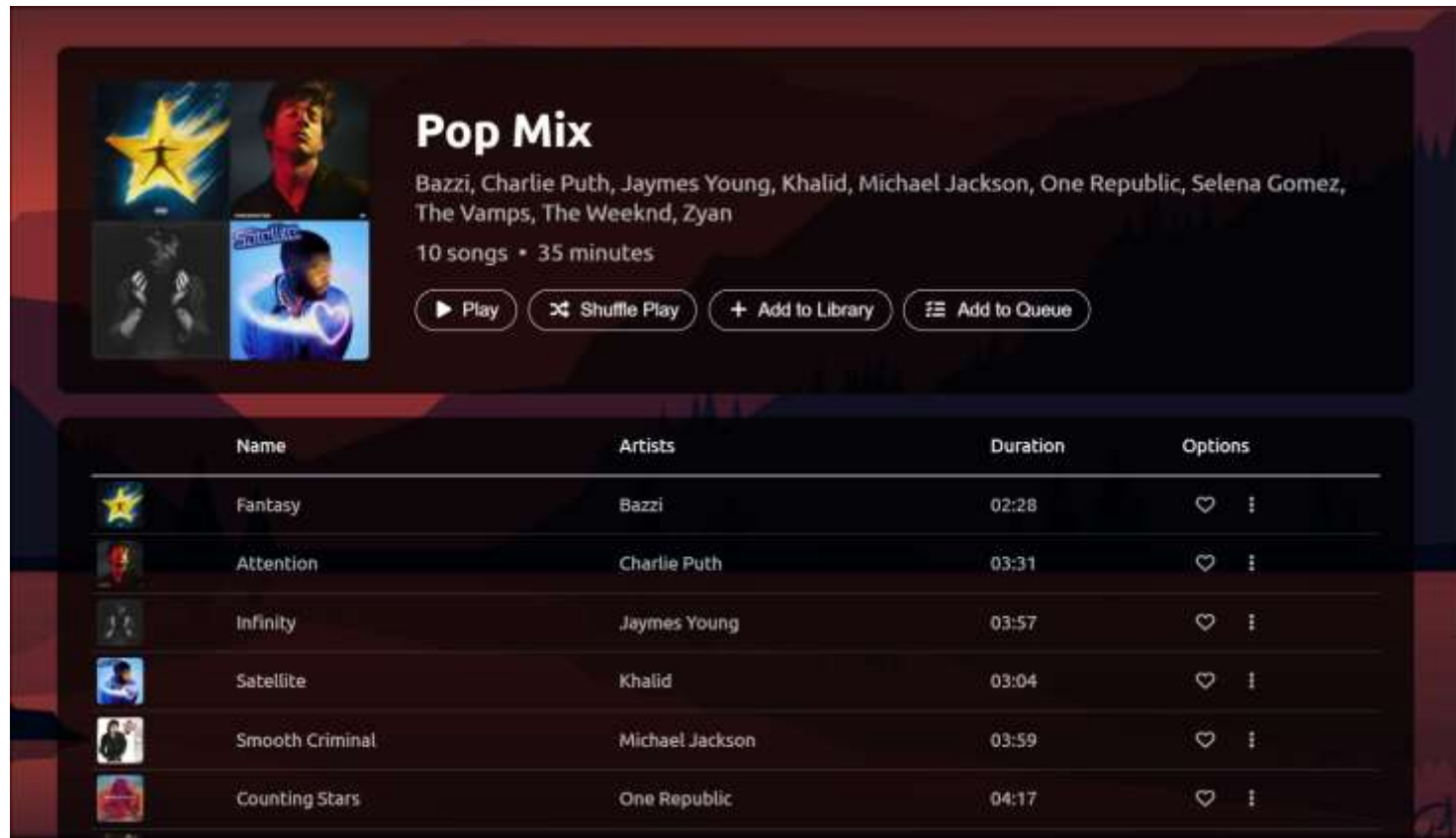
Top songs on Global charts, Currently Trending Songs and Songs from Popular Artists are displayed in the Explore Tab.



















Library Tab:



The user's listening history, liked songs and saved playlists can be found in the Library Tab.

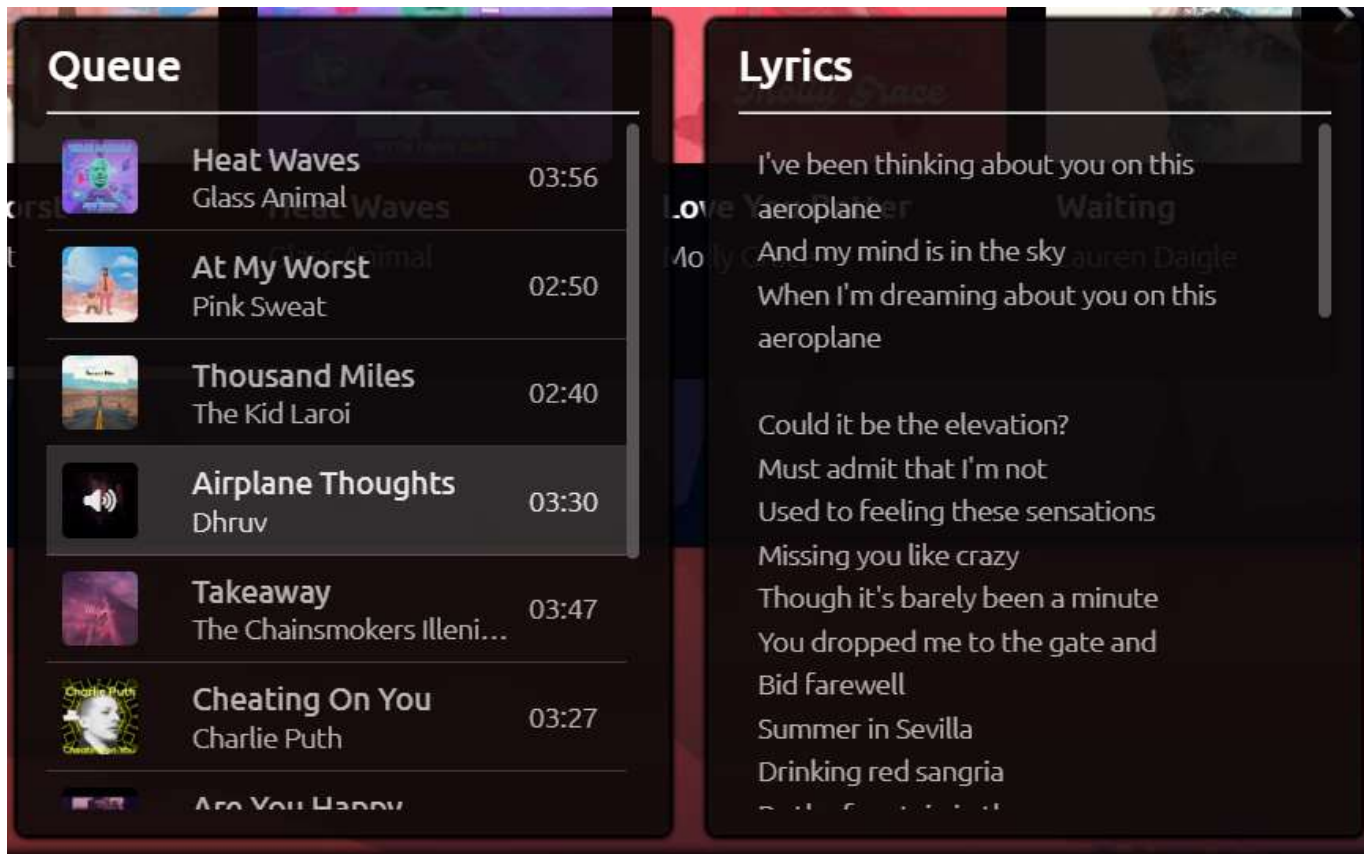
Playlist View:



	Name	Artists	Duration	Options
	Fantasy	Bazzi	02:28	 
	Attention	Charlie Puth	03:31	 
	Infinity	Jaymes Young	03:57	 
	Satellite	Khalid	03:04	 
	Smooth Criminal	Michael Jackson	03:59	 
	Counting Stars	One Republic	04:17	 

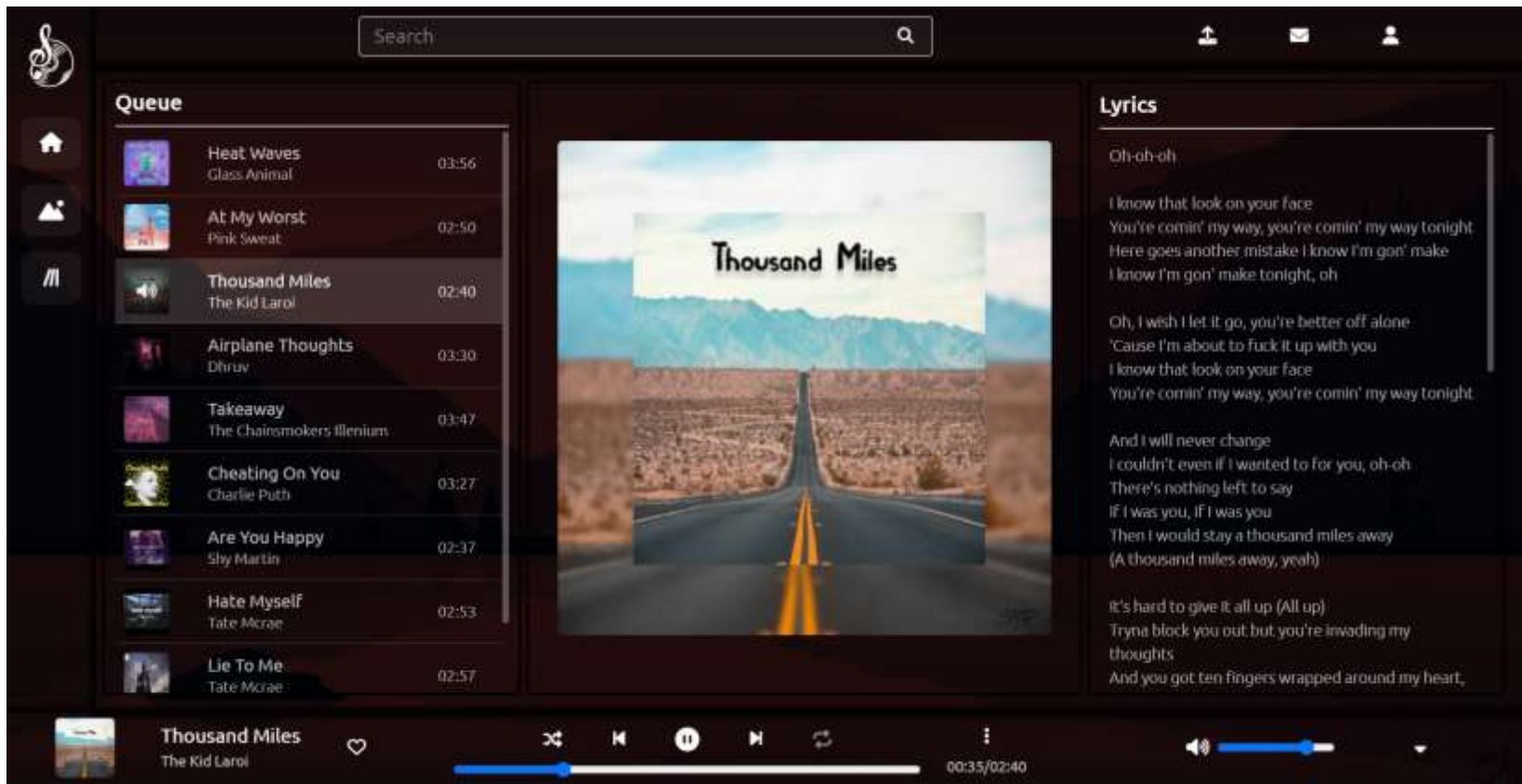
This playlist view displays the songs in a playlist along with its artist names. Options to Play, Shuffle Play and Add to/Remove from Library are also available.

Queue and Lyrics Floating Overlays:



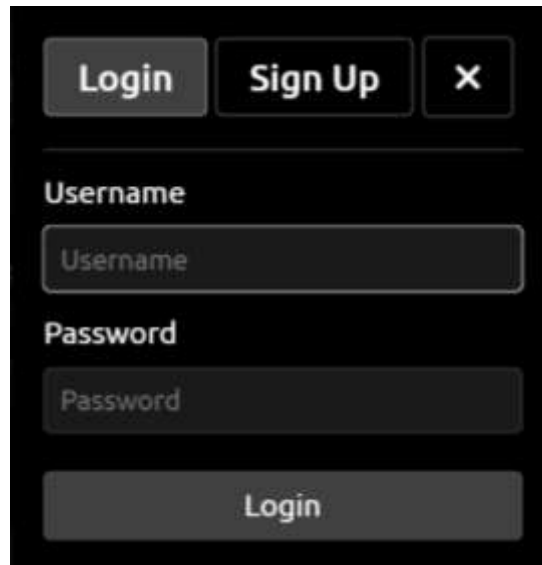
These floating overlays can be toggled using the Queue and Lyrics buttons in the bottom player bar, or using the shortcut keys “Q” for Queue and “L” for Lyrics.

Extended Player:

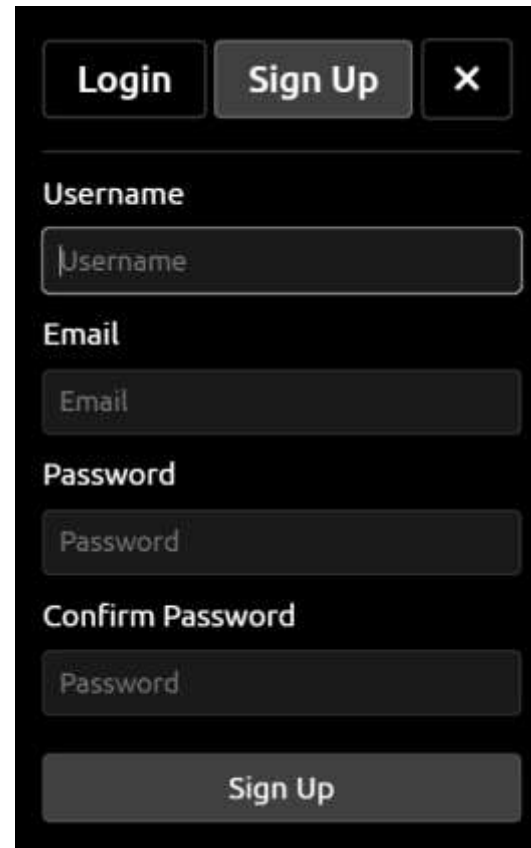


The Extended Player can be toggled with the caret icon in bottom right and shows a larger view of the Queue, Album Cover and Lyrics of the playing song.

Login/Sign Up Popup:



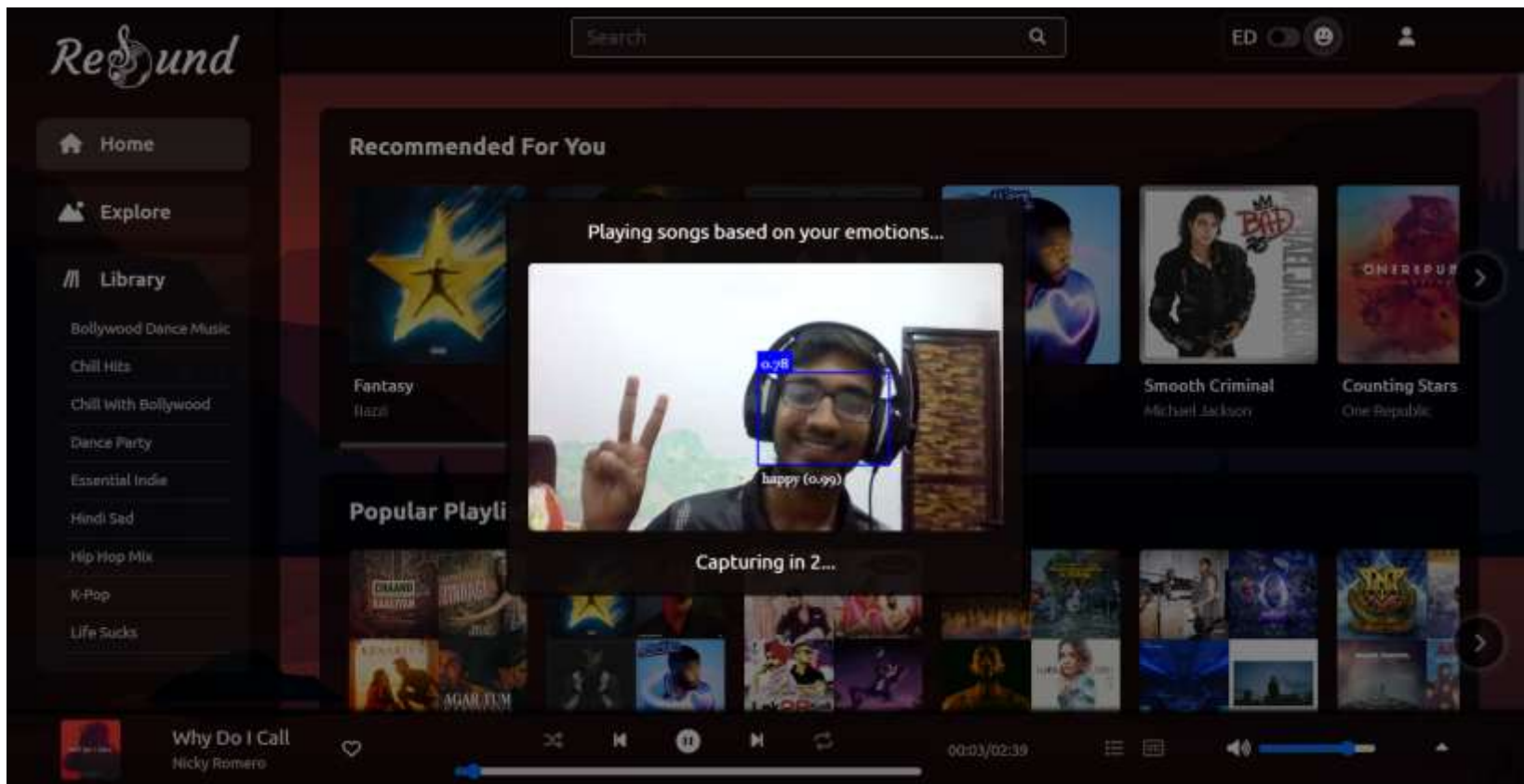
A dark-themed login popup form. At the top, there are three buttons: "Login", "Sign Up", and a close button "X". Below these, there is a "Username" label followed by a text input field containing the placeholder "Username". Underneath is a "Password" label followed by a text input field containing the placeholder "Password". At the bottom, there is a single wide button labeled "Login".



A dark-themed sign up popup form. At the top, there are three buttons: "Login", "Sign Up", and a close button "X". Below these, there is a "Username" label followed by a text input field containing the placeholder "Username". Underneath is an "Email" label followed by a text input field containing the placeholder "Email". Below that is a "Password" label followed by a text input field containing the placeholder "Password". Then, there is a "Confirm Password" label followed by a text input field containing the placeholder "Password". At the bottom, there is a single wide button labeled "Sign Up".

Upon opening the website the user can Log In to their account or Sign Up to a new account allowing to Like songs, check History and Save Playlists to their Library.

Emotion Detection Popup:



The Emotion Detection popup opens and accesses the webcam to get the user's real time emotions and play songs accordingly to match the user's vibe.

Work Done:

- We have created a user-friendly interface for the music player that allows users to easily browse, search, and play the music according to their mood and taste. We have also designed our own logo for the website .
- In our music player we have implemented music playback controls, volume adjustments, and playlist management using an open-source music player library .It involves managing the user's music library, including adding/removing music, organizing music by artist/album/genre.
- We also added equalization controls to the music player, which allows users to adjust the frequency response of the audio output to suit their preferences . We have designed and developed the user interface of the website using HTML, CSS, and JavaScript. In this music player website, front-end development includes designing the music player interface, playlist management, and search functionality .
- We have added mood detection component that aims to provide personalize recommendations to our users.

Future Scope:

Socially Interactive Music Sharing and Streaming Platform:

- The website can be made socially interactive by using heavy Back-End support. This will allow users to get personalized music recommendations, comment on songs, and upload their own music on the platform for others to listen to.
- We can also add messaging features so users can interact with each other and share their favorite music without hassle.

Personalized Recommendations using Emotion Detection:

- We can access the user's webcam and detect their emotions to play music from the library that matches their current mood.
- If a user is feeling happy, we can play upbeat song to vibe with that. And if a user is feeling sad, we can play sad music to work with that too.



Thank You!