

COL362 Project Milestone 2

Arush Utkarsh (2020CS10584) Rajeev Gupta (2019CS51018)
Vibhanshu Gupta (2019PH10665)

April 2023

1 Introduction

This submission describes the features that we have planned to implement as of now and provides a glance into the front end of the implemented features.

2 Description of the Website and its Purpose

The idea behind our project is to have a collection of songs which people learning instruments can refer to for practice. Users can choose songs completely by their own metrics or if they are feeling inspired, learn a random song. The website is called Nirvana.

3 Final Features

- Search for an Artist by Name: Returns a list of the artist's songs and details about the artist.
A song can then be selected to view details about the song and its composition.
- Search for a Song by Name: Returns a list of the artists who have a song by that name.
An artist can then be selected to view the details and composition of the artist's song by that name.
- Search for an Album by Name: Returns a list of the artists who have an album by that name.
An artist can then be selected to view the details and composition of the artist's album by that name.
- Search for a Song and Artist pair by Name: Returns the details and composition of the specified song.

- Search for Artists by Genre: Returns a list of the artists who are involved in the genre mentioned.
An artist can then be clicked to view details about the artist and a list of the artist's songs.
A song can further be selected to view its details and composition.
- Search for Award Winning Work by Category: Returns a list of artists and their work which have won an award in the specified category.
Also returns the year and association (Grammy, VMAs, etc) of the award.
- Search for Songs by Complexity: User can choose between easy, intermediate and hard songs.
- Search for songs by Mood: User can choose between energy, fun and sad moods.
This feature may see addition of more moods before the demo.
- Trending Songs and Artists, both Globally and on Nirvana (our website).
The trending songs and artists are present on the home page and can be clicked to view.
- Inspire Me: A random song is provided to learn.
- Whenever a song is chosen to view composition and details, the popularity of that song and the artist on our website increases.
- Guess the song: Enter an artist and random song lyrics are provided to you. Guess the song.
- Chord library: Gives a description of chords so that users can learn how to play them whenever they encounter new chords in a song.

4 Front-End

The project has been done using HTML, CSS, JavaScript for front end and Django for back end.

Here are a few pictures to give you an overview of the working of our website:

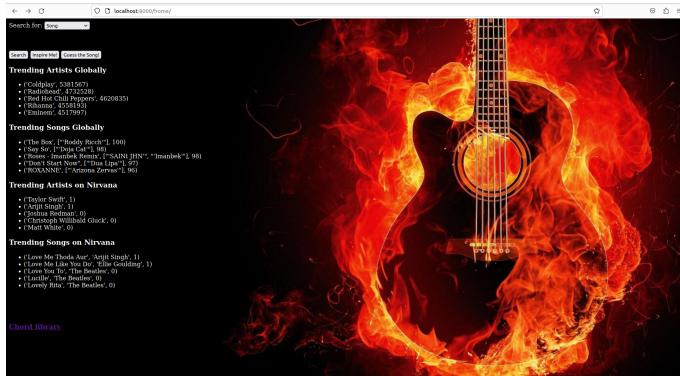


Figure 1: Home Page

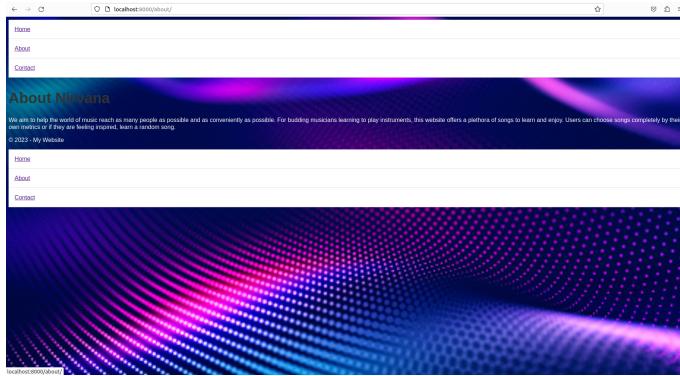


Figure 2: About Page

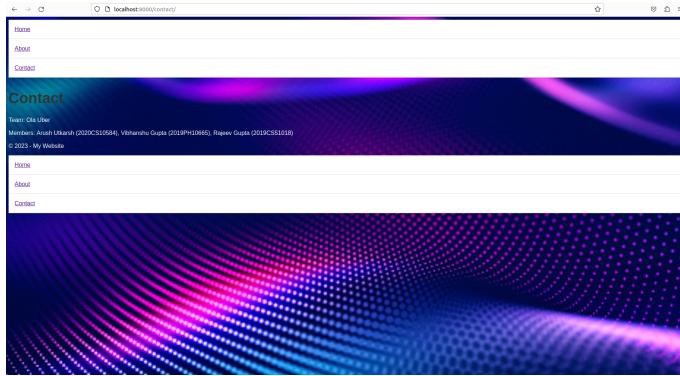


Figure 3: Contact Page



Figure 4: A drop down menu showing the search options

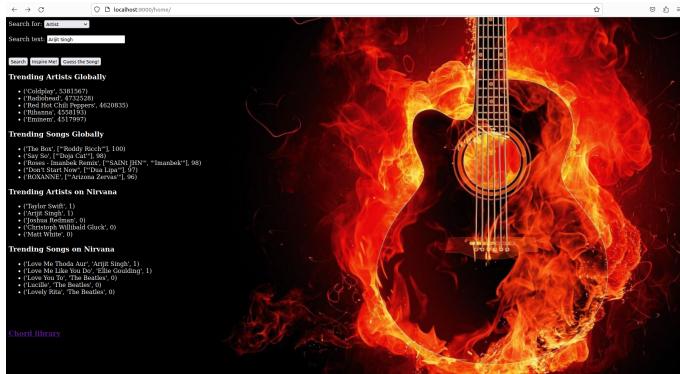


Figure 5: Search Bar after selecting an option

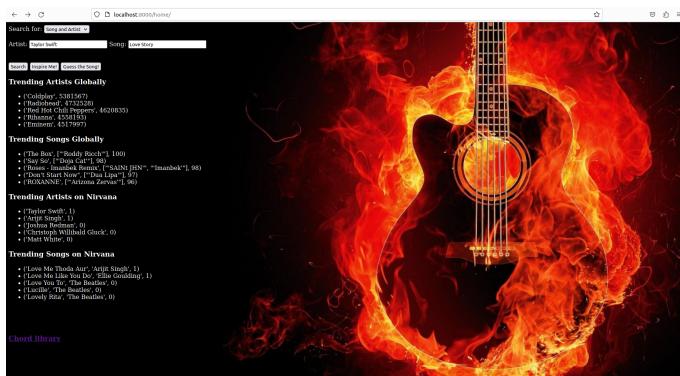


Figure 6: Search Bars for the case of Artist and Song

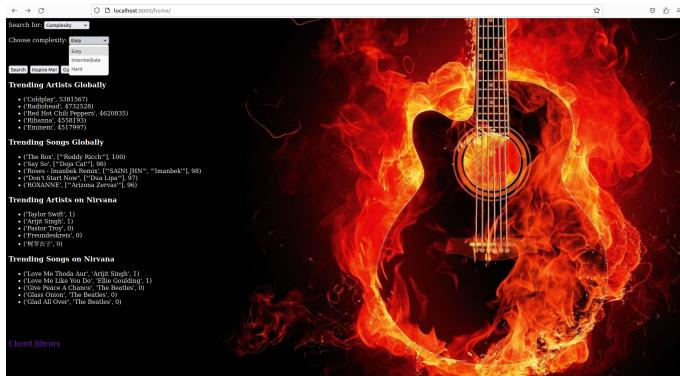


Figure 7: A drop down menu showing options for complexity

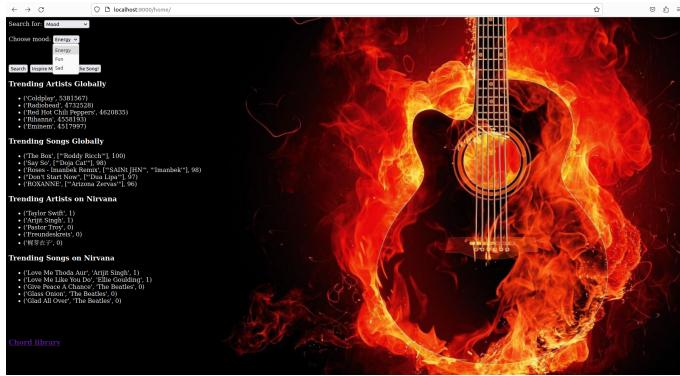


Figure 8: A drop down menu showing options for mood

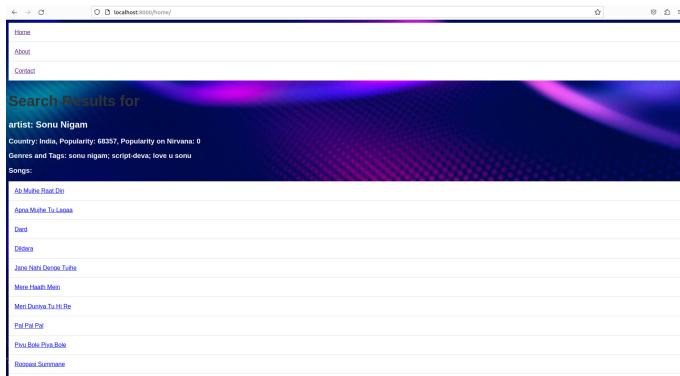


Figure 9: Result page after searching for artist 'Sonu Nigam'



Figure 10: Result page after searching for award category 'Video of the Year'

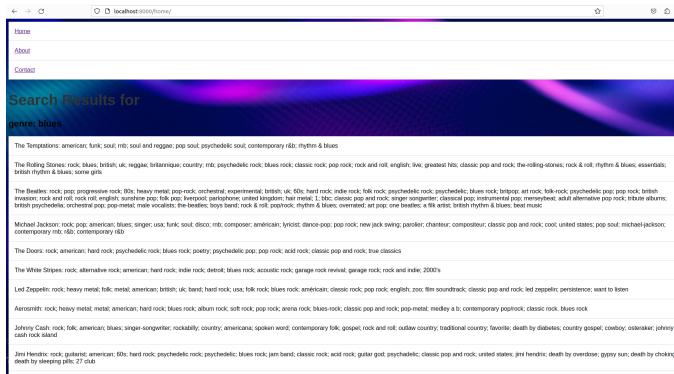


Figure 11: Result page after searching for genre 'blues'

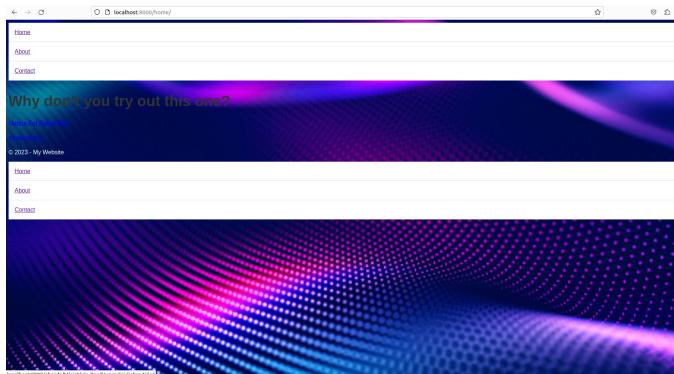


Figure 12: Result page after clicking 'Inspire Me'

Trending Artists on Nirvana

- ('Taylor Swift', 1)
- ('Arijit Singh', 1)
- ('Pastor Troy', 0)
- ('Freundeskreis', 0)
- ('梶芽衣子', 0)

Trending Songs on Nirvana

- ('Love Me Thoda Aur', 'Arijit Singh', 1)
- ('Love Me Like You Do', 'Ellie Goulding', 1)
- ('Give Peace A Chance', 'The Beatles', 0)
- ('Glass Onion', 'The Beatles', 0)
- ('Glad All Over', 'The Beatles', 0)

Figure 13: A look at the trending Artists and Songs on our website before seeing the composition of Ed Sheeran's Bad Habits

Trending Artists on Nirvana

- ('Ed Sheeran', 1)
- ('Taylor Swift', 1)
- ('Arijit Singh', 1)
- ('AMBER', 0)
- ('Tomte', 0)

Trending Songs on Nirvana

- ('Bad Habits', 'Ed Sheeran', 1)
- ('Love Me Thoda Aur', 'Arijit Singh', 1)
- ('Love Me Like You Do', 'Ellie Goulding', 1)
- ('Dead Inside', 'XXXTENTACION', 0)
- ('Mai Mai (part. Nengo Flow Y Jory Boy)', 'Maluma', 0)

Figure 14: A look at the trending Artists and Songs on our website after seeing the composition of Ed Sheeran's Bad Habits

The screenshot shows a web browser window with the URL `localhost:3000/trending/arjitSingh/TumHiHo`. The page has a header with links for 'Home', 'About', and 'Contact'. Below this is a section titled 'Tum Hi Ho' by 'Arijit Singh & None'. It includes a 'Details about this song:' section with fields for Language (Hindi), Popularity (None), and Release Date (None). It also lists 'Chords and Lyrics:' which are partially visible at the bottom.

Figure 15: The details and composition page for Arijit Singh's Tum Hi Ho - 1

The screenshot shows a web page with the following content:

- Lyrics for Reference:**

```
[0] "vir Vir, 1: Dago 1, 2: - 4: Yeh, 5: 12, 6: 13, 14, 15, 16, 17: Emilsons brea ab Creh nahi sake", 18: Dheere bina kya wali? 19: CheenCa : 19 : 20: Tumhak zere hia ab Creh nahi sake", 21: Dheere bina kya well? 22: mewCa : 22 : 23: Dheere bina kya well? 24: mewCa : 24 : 25: Dheere bina kya well? 26: mewCa : 26 : 27: Dheere bina kya well? 27 : 28: Dheere bina kya well? 28 : 29: Dheere bina kya well? 29 : 30: Dheere bina kya well? 30 : 31: Dheere bina kya well? 31 : 32: Dheere bina kya well? 32 : 33: Dheere bina kya well? 33 : 34: Emilia mena Credha haska : 35: Dik pat dove B7gawas Credh : 36: EmTere lye har Cruz he jone : 37: D'fah ki dia mera B7Neig Credh : 38: D'koo lemlha mena ha Gane bina : 39: BTM saans pe naam CredhO : 40 : 41: Kyaek Entan : 41 : 42: Kyaek Entan : 42 : 43: Kyaek Entan : 43 : 44: Kyaek Entan : 44 : 45: Kyaek Entan : 45 : 46: Kyaek Entan : 46 : 47: Kyaek Entan : 47 : 48: Kyaek Entan : 48 : 49: Kyaek Entan : 49 : 50: Kyaek Entan : 50 : 51: Kyaek Entan : 51 : 52: Kyaek Entan : 52 : 53: Tum Amreeta na mughe sannEntha : 54: Shaan Arghamhon ko di se iHmata : 55: Dheere saath mera ha Grasgeeb jata : 56: 977i ghe peake adhoora na Cuda Drem : 57 : 58: Kyaek Entan hi ho : 59: Ah Amra hi ho : 60: 02Driday Ab Dheere : 61: 02Driday Ab Dheere : 62: Mer Daadiqa Ab Brikha In Cho : 63: Ah Amra hi ho : 64: Kyaek Entan hi ho : 65: Ah Amra hi ho : 66: Mer Daadiqa Ab Brikha hi Cho : 69: Yea u]
```
- Chords used in this song available in our library:**
 - [Bm, Eminor, Aminor]
- Tags:**
 - (desi pop, Yeh, modern bollywood)
- Footer:**
 - © 2023 - My Website
 - [Home](#)
 - [About](#)
 - [Contact](#)

Figure 16: The details and composition page for Arijit Singh's Tum Hi Ho - 2

The screenshot shows a web page with the following content:

- Chord Library**
- A list of chords with their positions:
 - Chord: Ad9, Barre: 0, Position: [X, 1, 3, X, X, X]
 - Chord: A7H5, Barre: 6, Position: [1, X, 1, 2, X, X]
 - Chord: A7H5, Barre: 6, Position: [1, 3, 1, 2, 1, X]
 - Chord: A97, Barre: 0, Position: [X, 1, 3, 1, 2, 1]
 - Chord: A99, Barre: 0, Position: [1, 1, 1, 2, 2, 2]
 - Chord: Adm3, Barre: 0, Position: [X, 1, 3, 2, 2, 1]
 - Chord: Atnm, Barre: 0, Position: [X, 1, 3, 2, 2, 1]
 - Chord: Atnm, Barre: 0, Position: [X, 1, 3, 2, 2, 1]
 - Chord: Atnm75, Barre: 0, Position: [X, 1, X, 1, 2, 1]
 - Chord: Adm7, Barre: 6, Position: [1, 3, 1, 1, 1, 2]
 - Chord: Adm9, Barre: 0, Position: [X, 1, 3, 2, 2, 1]
 - Chord: Adm97, Barre: 0, Position: [X, 1, 3, 2, 2, 1]
 - Chord: Amst, Barre: 0, Position: [X, X, 3, 4, 1, 1]

Figure 17: Chords Library

5 Github Repo

Link: <https://github.com/Vibhanshu17/Ola-Uber>