

COL362 Project Milestone 3

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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:

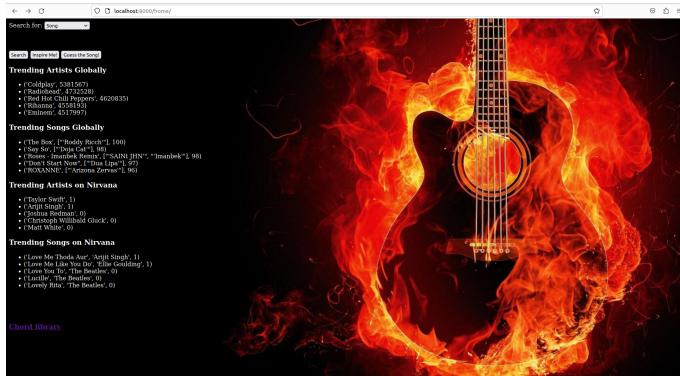


Figure 1: Home Page

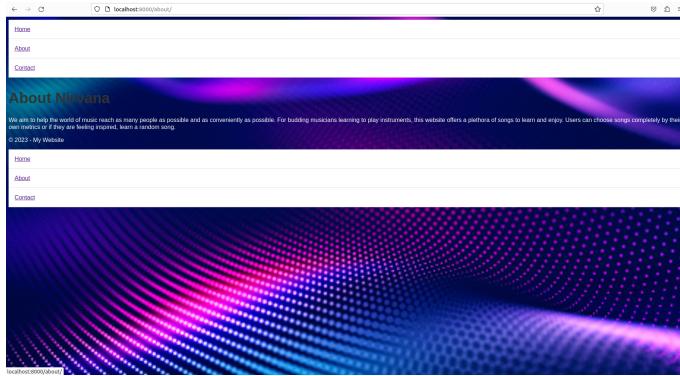


Figure 2: About Page

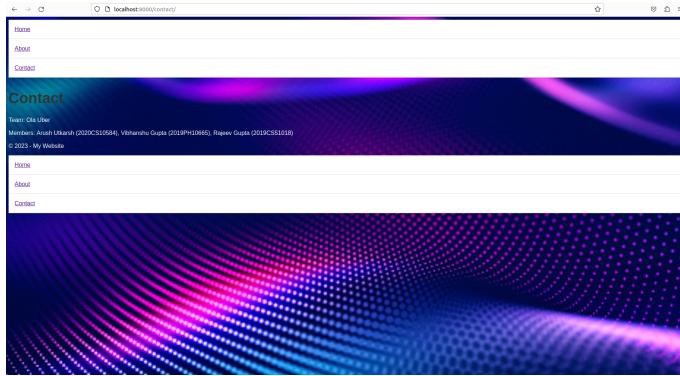


Figure 3: Contact Page



Figure 4: A drop down menu showing the search options

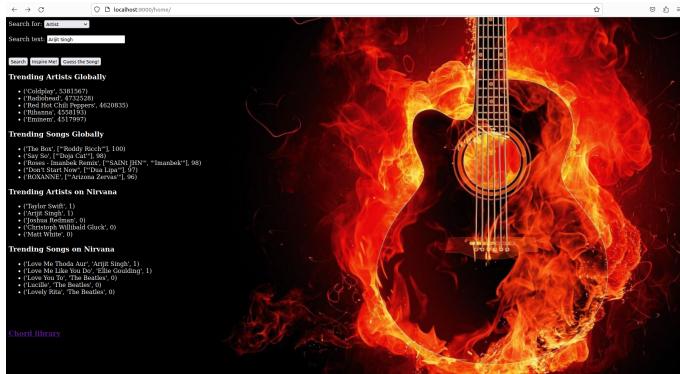


Figure 5: Search Bar after selecting an option

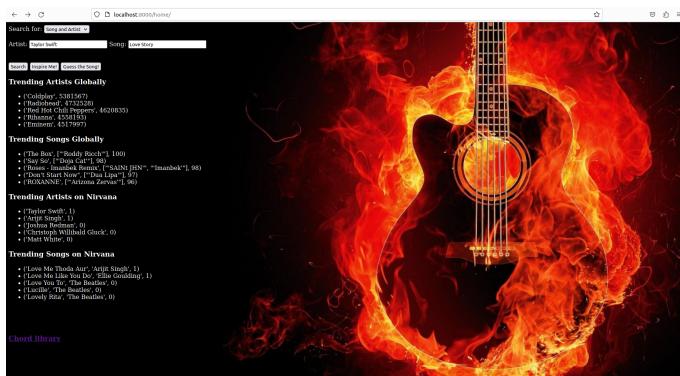


Figure 6: Search Bars for the case of Artist and Song

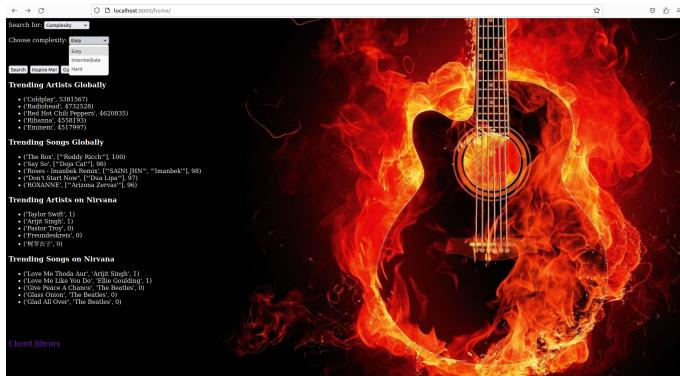


Figure 7: A drop down menu showing options for complexity

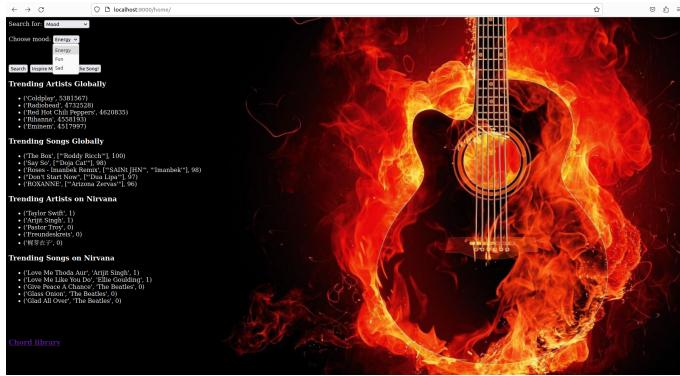


Figure 8: A drop down menu showing options for mood

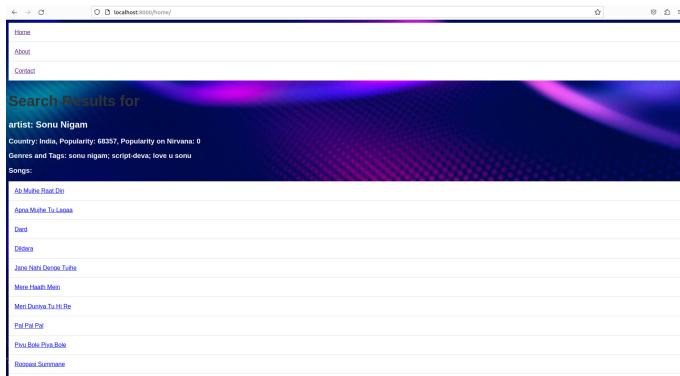


Figure 9: Result page after searching for artist 'Sonu Nigam'



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

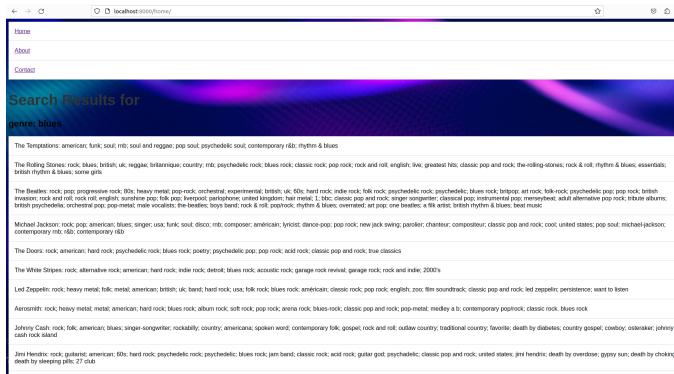


Figure 11: Result page after searching for genre 'blues'

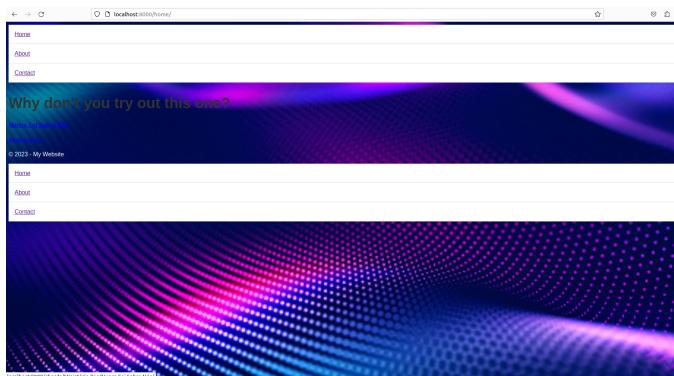


Figure 12: Result page after clicking 'Inspire Me'

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 as musical notation and lyrics in Hindi.

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

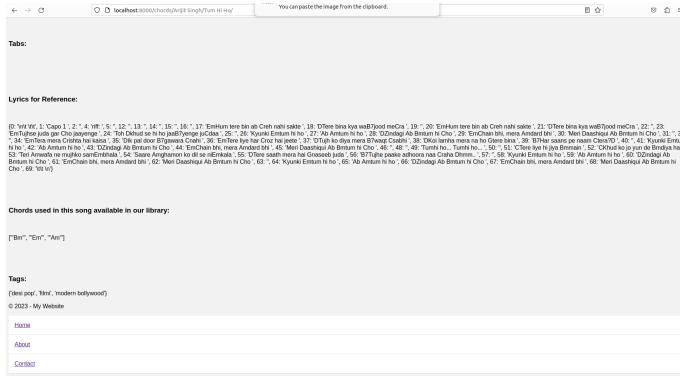


Figure 16: The details and composition page for Arijit Singh's Tum Hi Ho - 2



Figure 17: Chords Library

5 Github Repo

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