

Symphony Online Music Streaming Site

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Practicum-IV

Problem Definition

In today's digitally driven world almost every person is influenced by media and entertainment industry which mainly consists of Films, Television and Radio. At present Music tracks are being released in such huge amounts that there is no end to them.

Since there are lots of songs available it is not smart way to download all the favourite songs of oneself and store it locally. And also playing all of ones favourite song via the normal interface is little boring. This web page streaming song will be on an interface according to users personal tastes. Here i have used my own preferences such as background image and song posters.

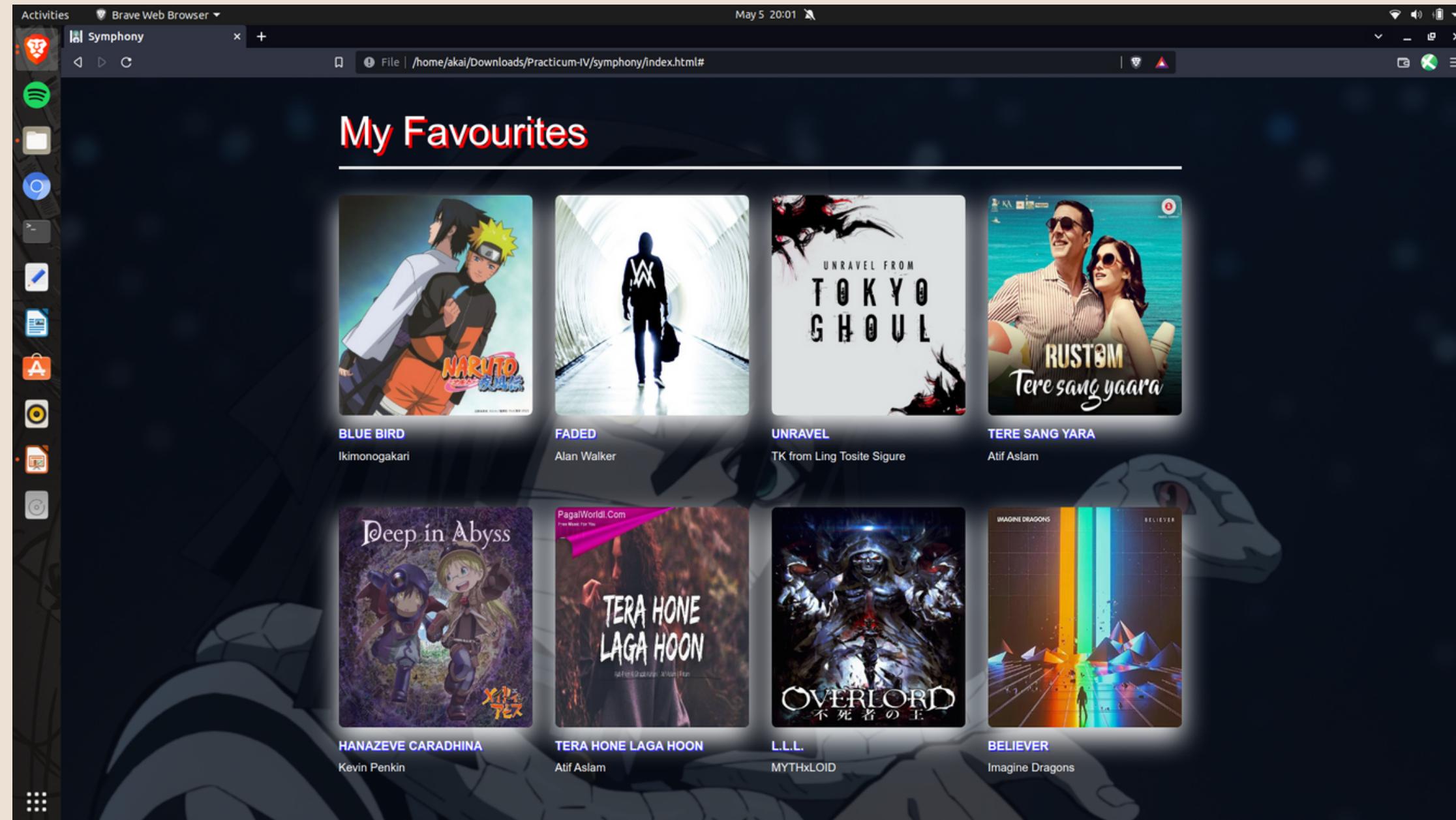
Project Details

This project will allow users to listen music directly from the web page in browser. He/she just need to click on the poster of song and the song will start playing. Below the poster song name and artist name will be visible. The player has various functionality such as it displays the mini poster of song, song name and artist. Users can play song on various mode such as repeat and shuffle. User also get a seek to with which user can traverse through song. We can also increase or decrease the volume of song.

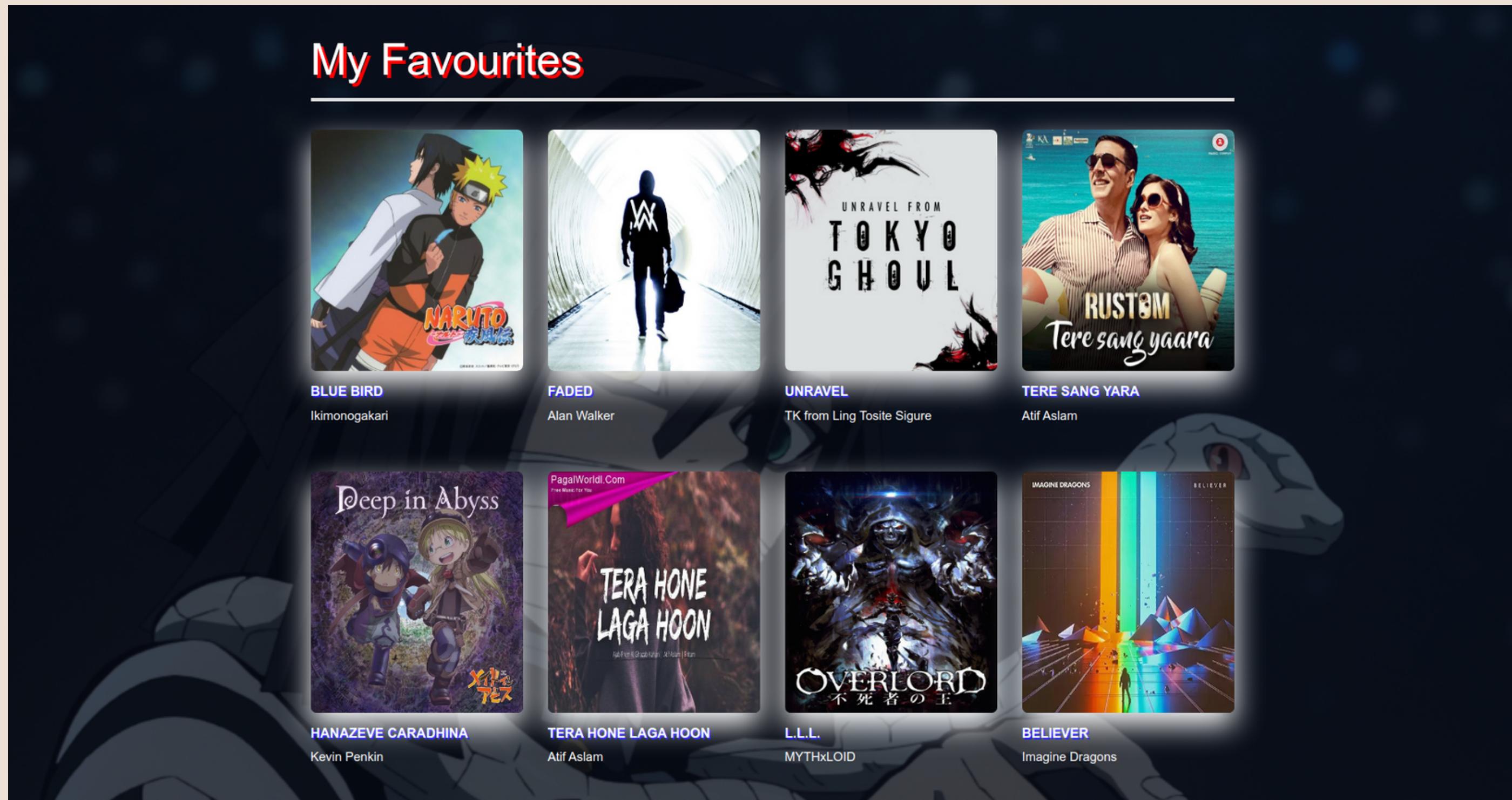
There will be an extra column with posters of upcoming song or song that user will add into the web streaming site on a later date.

Interface

Nice and simple looking home page for users with some animations for keeping users entertained.

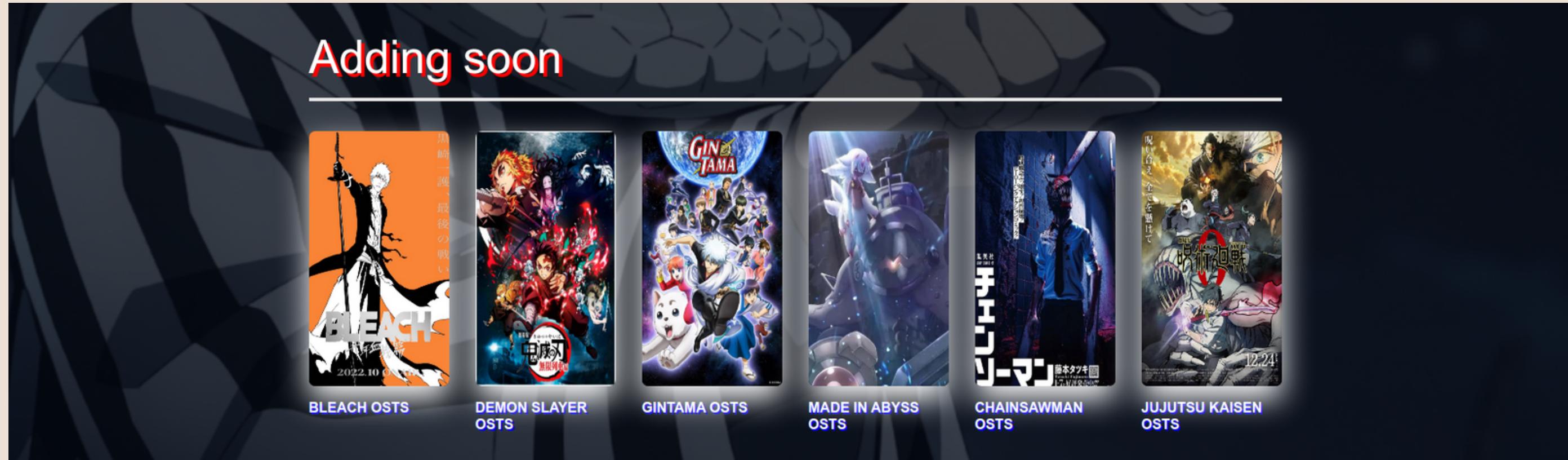


List of my favourite songs



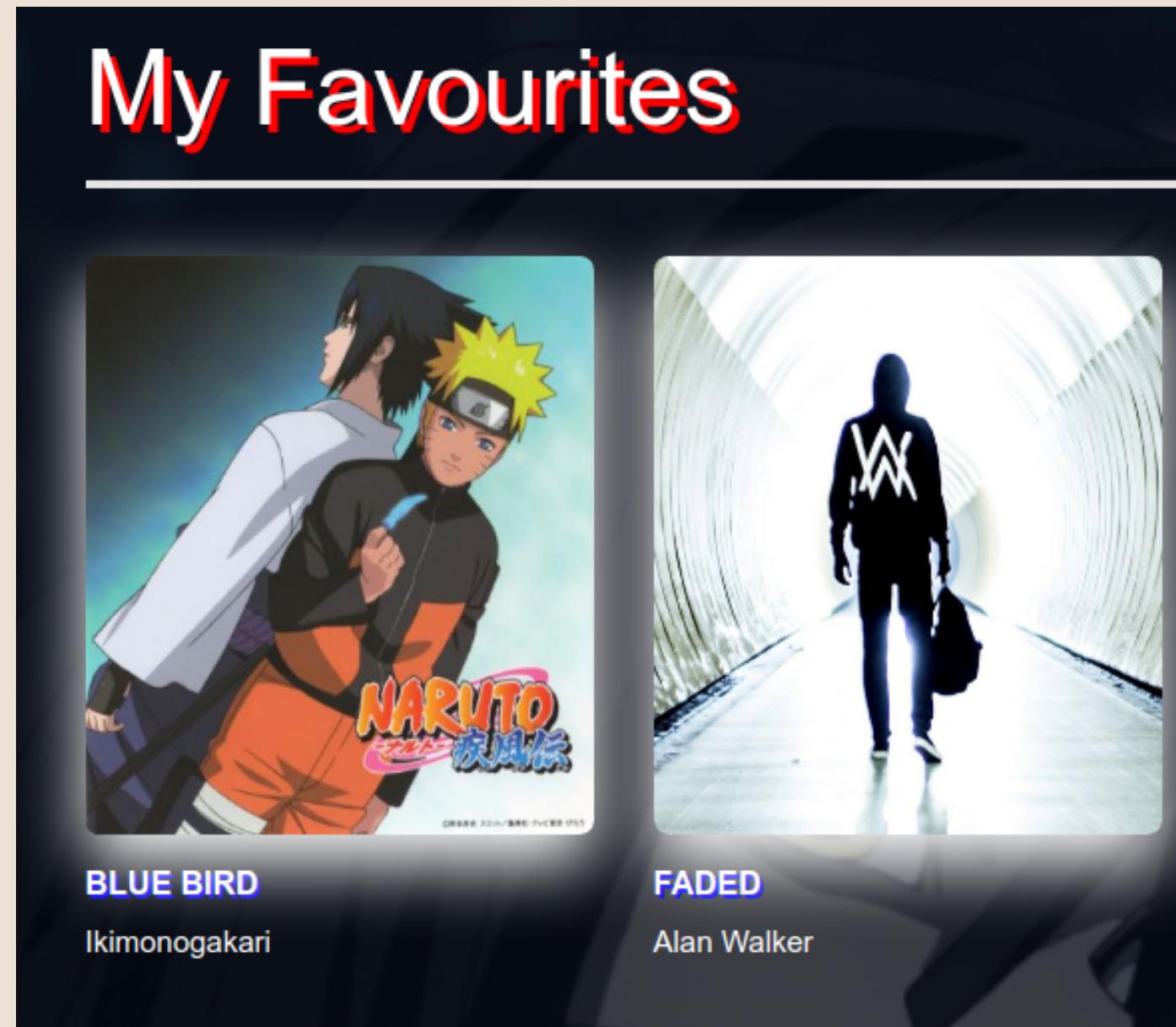
List of songs to be added later

There is an extra column with posters of upcoming song or song that user will add into the web streaming site on a later date.



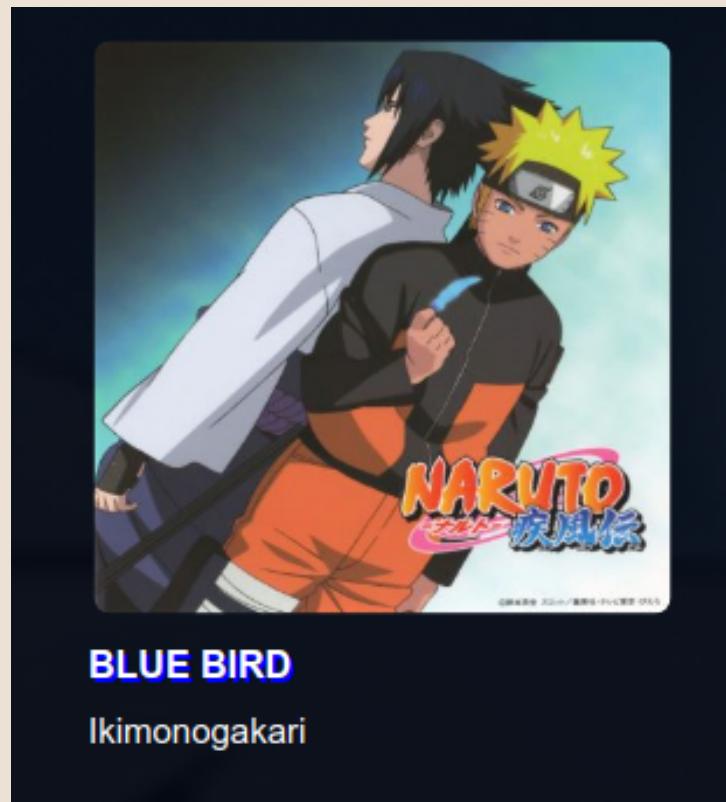
Explaining Music Posters

Here the pictures are music posters which are used to play their corresponding music
Blue Bird with blue shadow is the song name and Ikimonogakari is artist name.
The poster has a default white shadow which on hovering gets removed.

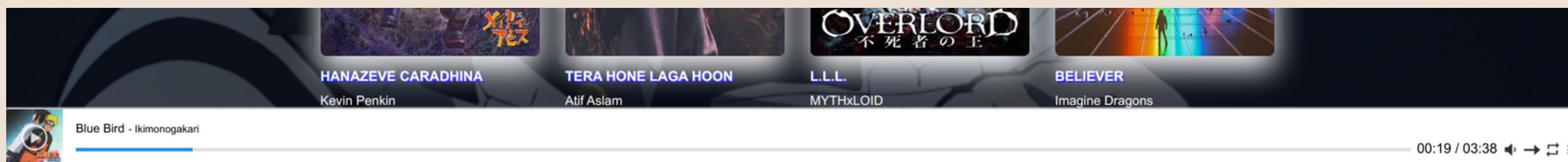


Playing a song

By simply clicking on a song music will be start playing and when we are hovering over poster the shadow effect goes off.

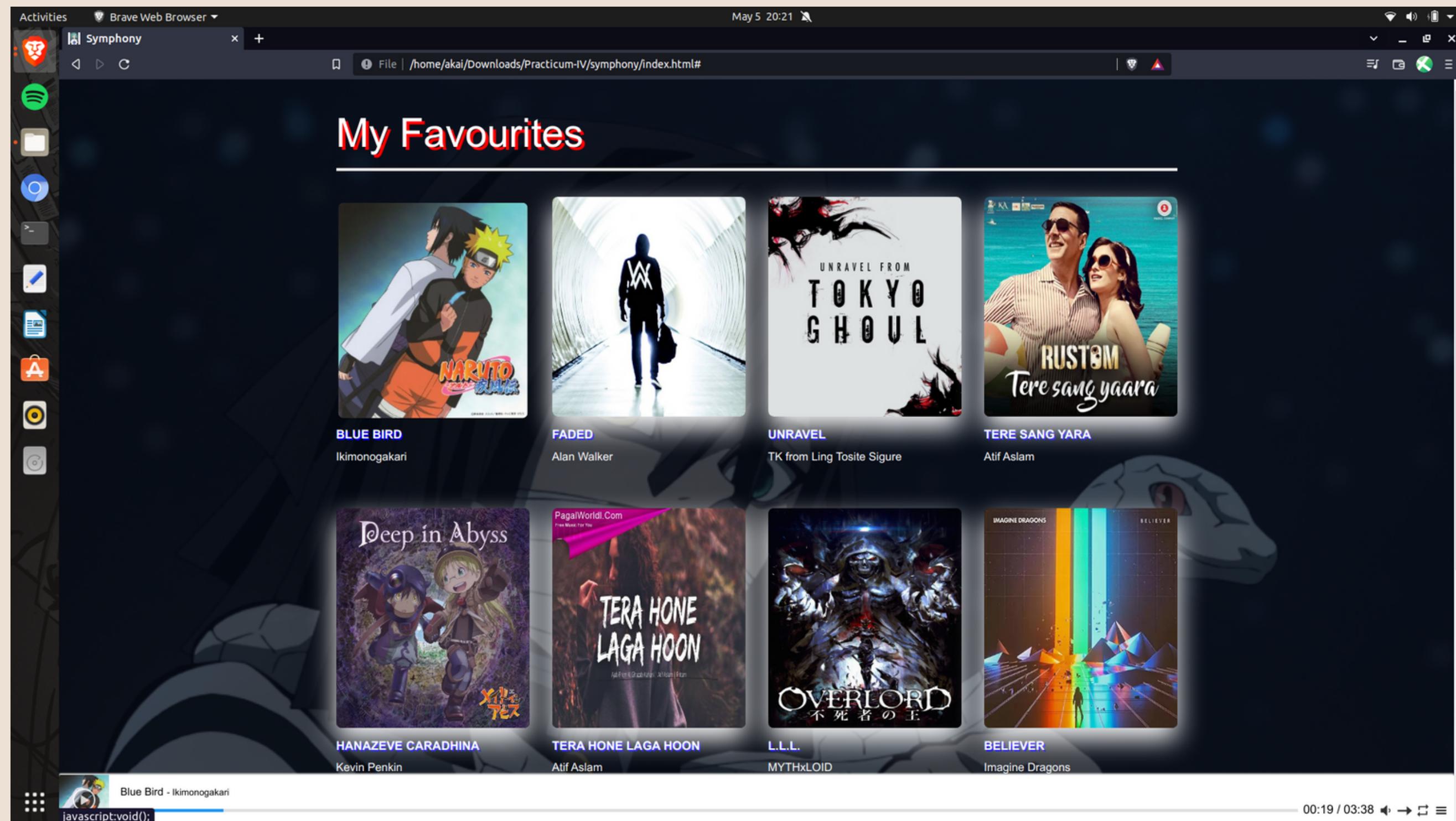


This is what the the music player looks like when playing a song.



Full Interface with music player

This is what the interface looks like when playing a song.

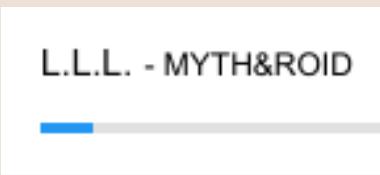


Functionalities of music player

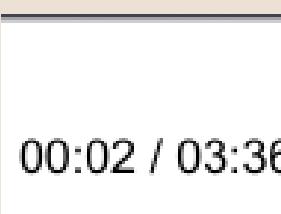


This is our music player in compressed mode.

Its various features are:



Displaying song name and artist name.



Timer for song which is playing.



This button is used to play songs in shuffle mode.



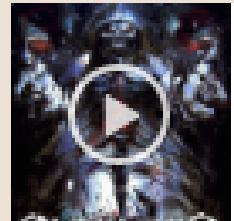
This button is set for chaning volume of song played.



This button is used to play songs in repeat mode.

Functionalities of music player

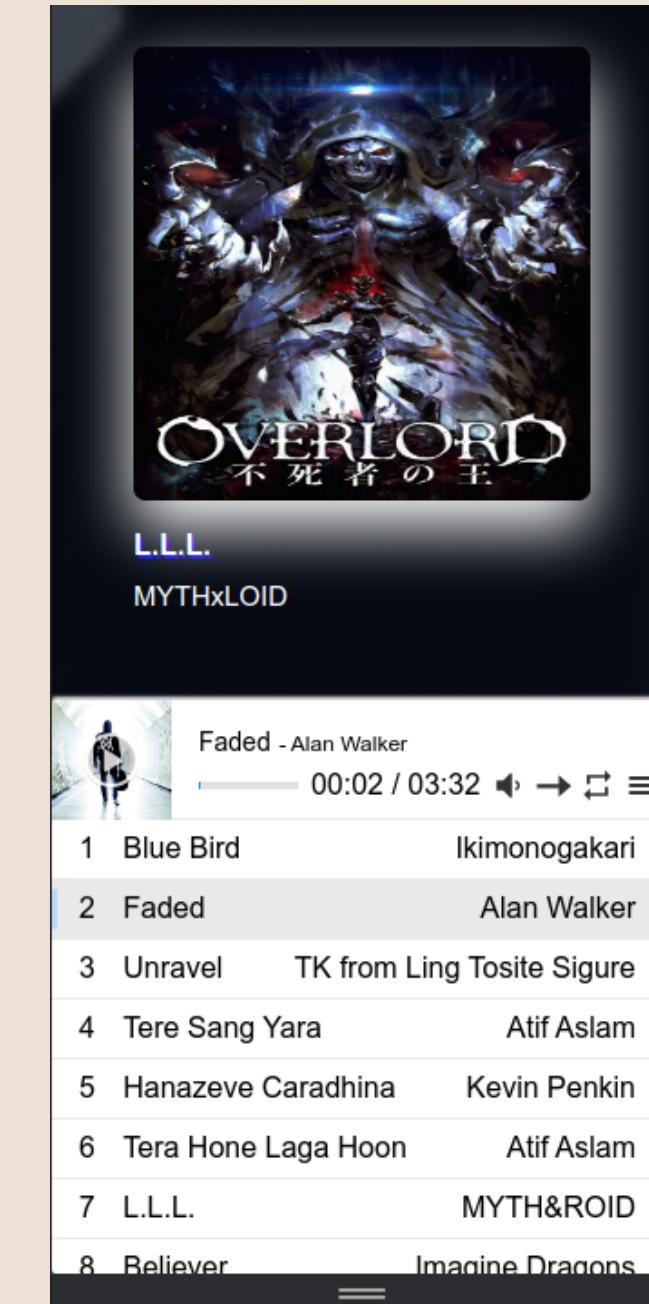
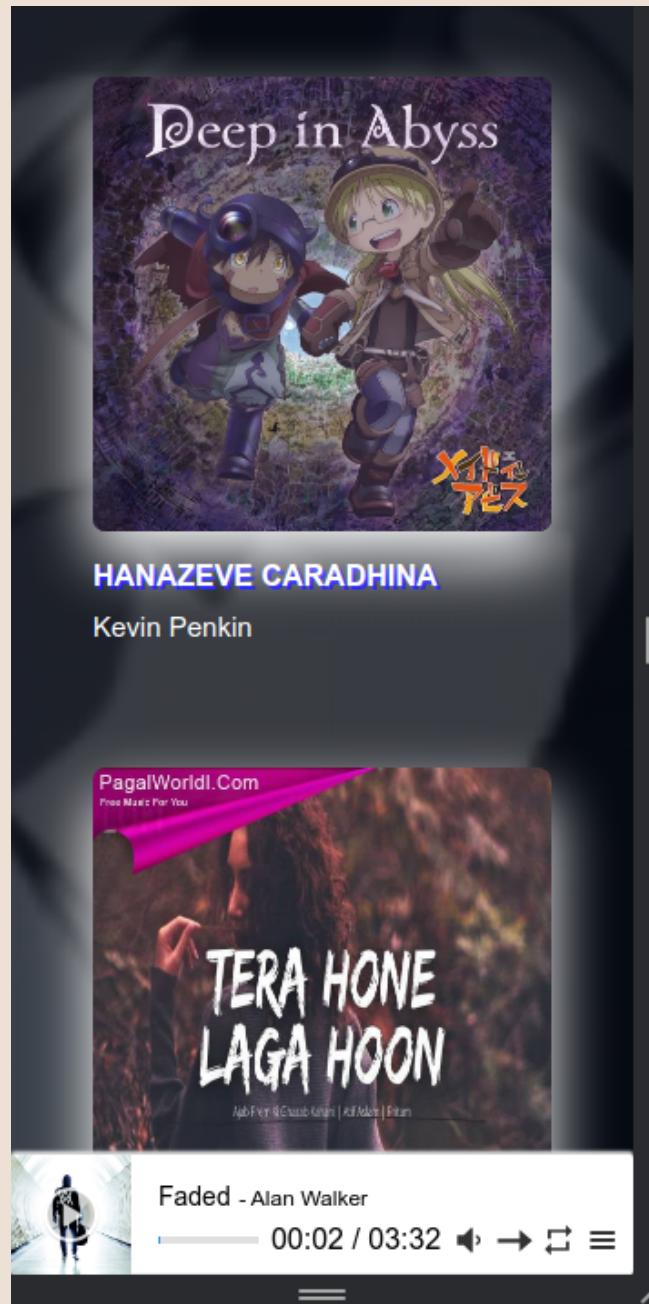
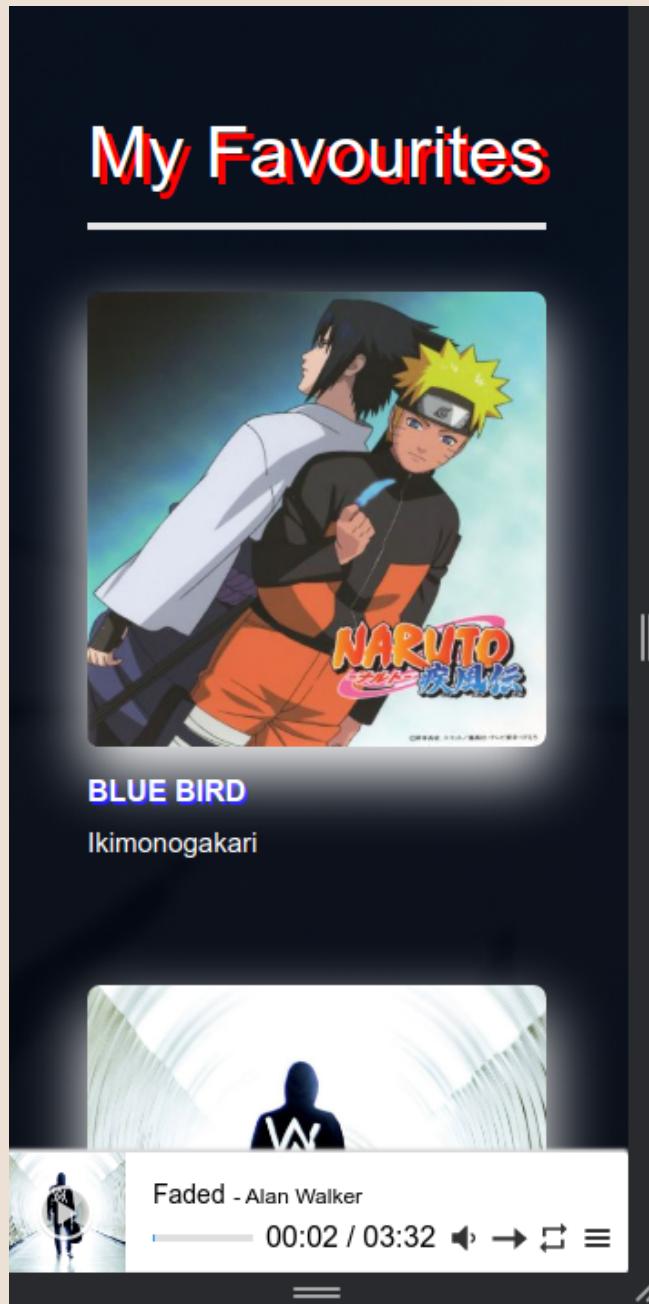
This 3 bar icon is used to list all songs in music player itself. On clicking this music player expands and list of songs are visible in it and on again clicking it back it gets compressed. We can also change the song playing from this list.



Song Poster in the music player.

Responsiveness

This Project is totally Responsive. It works well on mobile phones also.



Things used in making of this project

HTML

The front end is created using html. The text and pictures were inserted using html which were customised using CSS script.

For each music item an image is used for its poster using its address from web. Images has a class tag of album-poster which is used in CSS for customisation.

It also has a switch variable in which a special value is assigned to each music poster which is used for playing of songs as we will use this switch value for our needs in javascript of music player.

Things used in making of this project

css

The text and images used in this page is customised using CSS scripts.

The Titles used in the sections has a relative large font size with red shadow to give a 3d effect.

Song name also has the same effect but font size is smaller and and shadow colour is blue. Artist name is even smaller than the song name.

The images are arranged using CSS in blocks with white shadow at back of it which changes when hovering over, the shadow gets removed. Padding is also done in it.

When the screen size becomes smaller than 700px the font sizes is reduced to make it responsive so that it will also work on mobile phones.

CSS scripts has also been used in music player so that it looks attractive and it does not take much space and is compact.

Things used in making of this project

Javascript

It plays a major role in this project as most of the things have been done using javascript.

The default view of music player is hidden, this was done using javascript.

The music player also contains list of songs from which songs can be played. For this different was made which had four attributes name of song, artist, album poster link and song address which are visible on the player other than the song address.

Each poster has a catch value assigned to it which is called in a function data Switch ID when clicking the poster. This value is then passed to player to play the corresponding song.

The different play modes of player are also done using javascript and player libraries such as when clicking on 3 bars icon list of song is displayed and when clicking on play/pause button the music is played or stopped respectively.

Things used in making of this project

Favicon Generator

Creation of favicon for title icon was done using online site favicon generator, a 32*32 size image was created using this.

Google fonts

A standard google font has been used in this whose stylesheet is taken from google fonts.

Images

Image addresses from online sites such as pinterest, sukidesiost, animeost has been taken which is used in music posters.

Future Scope

This Project can be better with modifications such as adding database table for it by which it can simply store newly added songs on some drive and website will be fully online and it wont need any local storage.

As a result user can access their favourite song from any device and from any place.

Thank you!!