A Mini Project Report

on

“Musifyy : A Music Streaming website”

Submitted by

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CONTENT

CHAPTER 1

INTRODUCTION

1.1 Introduction to Project

This web project is basically a website for listening to music. Everyone likes to listen to their favourite music. The different songs will be categorized based on genres, artists, etc. which will help users to find exactly what they are looking for. This website will be very useful for searching different songs, organizing them in playlists, i.e. basically personalising the overall music experience.

1.2 Motivation behind project topic

Everyone has their own taste of music and hence everyone deserves to have a personalised music experience based on their likings. There are many music streaming websites available like Spotify, Gaana, Saavn, etc. but they contain advertisements and users need to buy premium versions for listening to uninterrupted music. Thus, a free music streaming platform is necessary for those who are not able to buy premium subscriptions for the popular music streaming apps. Additionally, I have a hobby of playing piano(digital keyboard). So I take this opportunity of creating a web project to make the desired music platform to showcase my collection of recordings to others.

1.3 Aim and Objective(s) of the work

Project aims : This project aims to build a website which would allow users to choose from a bunch of songs organized into different categories and listen to it easily. The goal is to provide a free, uninterrupted and personalised music experience to the user.

Project objectives :

1. To organize different songs based on categories such as genres, artists, languages, etc.
2. To provide a search option for the user to browse any song.
3. To display necessary information related to all the songs.
4. To provide options such as suggestions, playlists and recently played songs to make the experience more personalised.

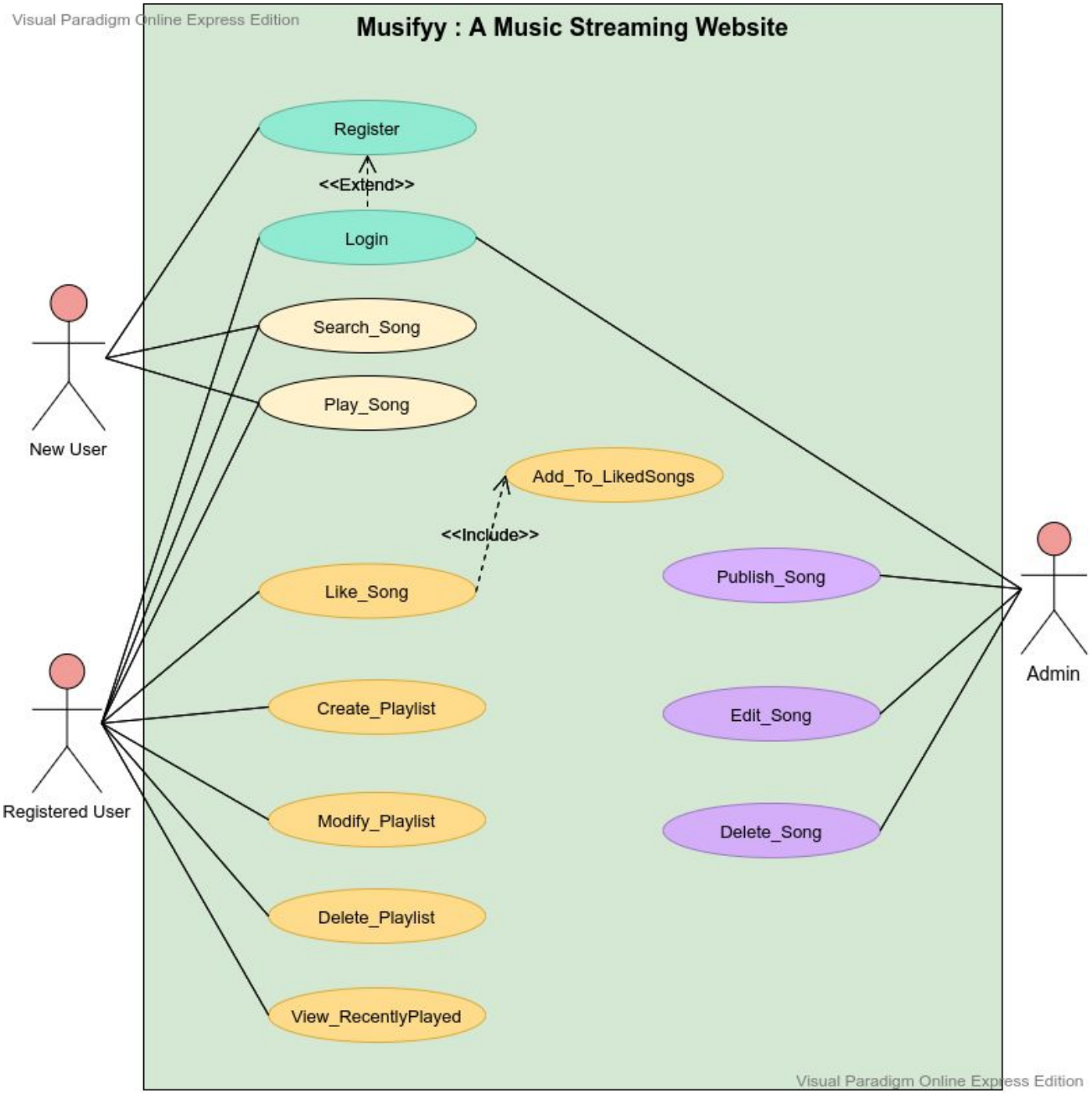
CHAPTER 2

SYSTEM FUNCTIONALITY

2.1 Function Description

1. User Sign Up / Registration Form with validations for username, password, email.
2. User Authentication and Login functionality.
3. Categorization of different songs based on artists, languages, genres, etc.
4. Display of all the required information about a particular song.
5. Music Player along with Lyrics of the song on the same screen.
6. Functionality to search a song by typing name in the search bar.
7. Ability to like a song, and addition of that song in ‘liked songs’ playlist.
8. Ability to add a song to a particular playlist.
9. Ability to view recently played songs.
10. Suggesting songs based on the user’s interests.

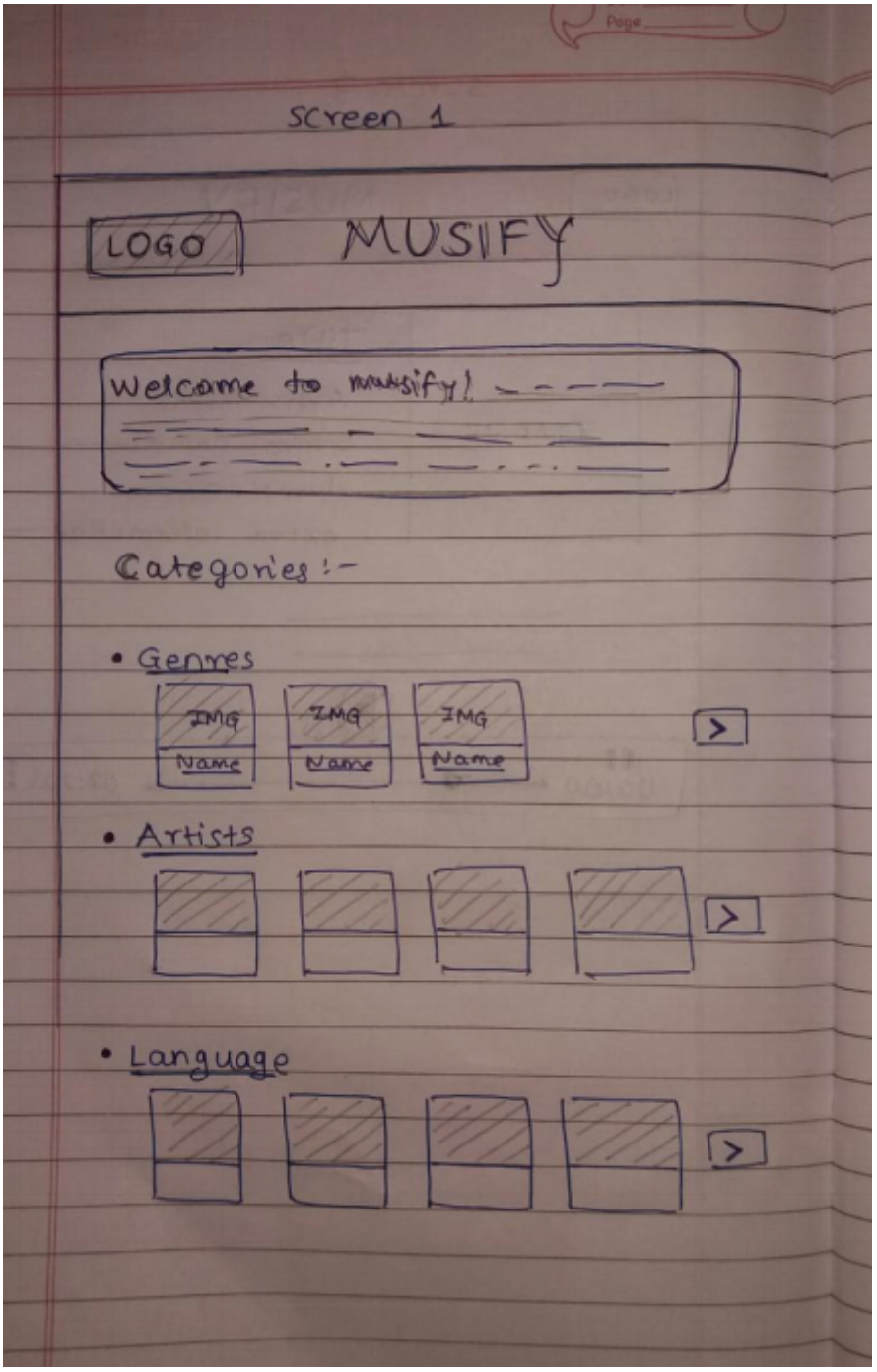
2.2 Use Case Representation



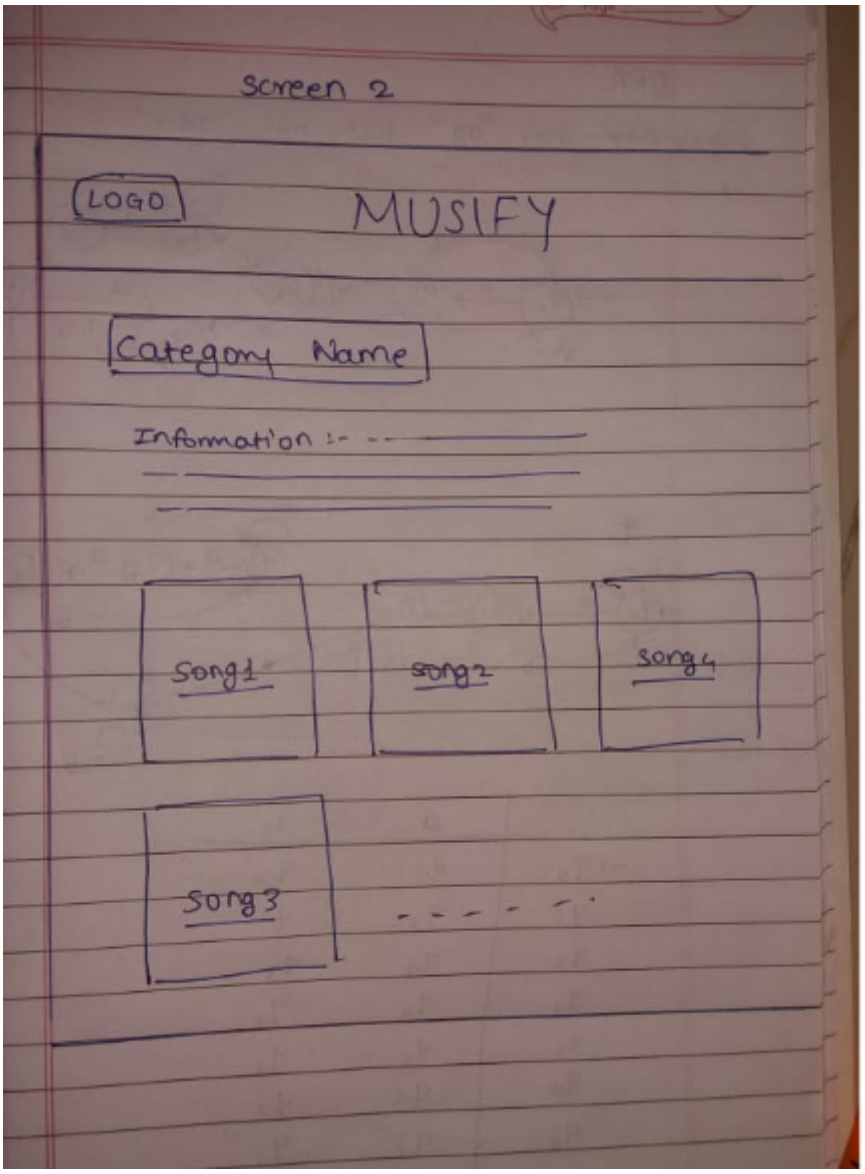
CHAPTER 3

USER INTERFACE PROTOTYPE

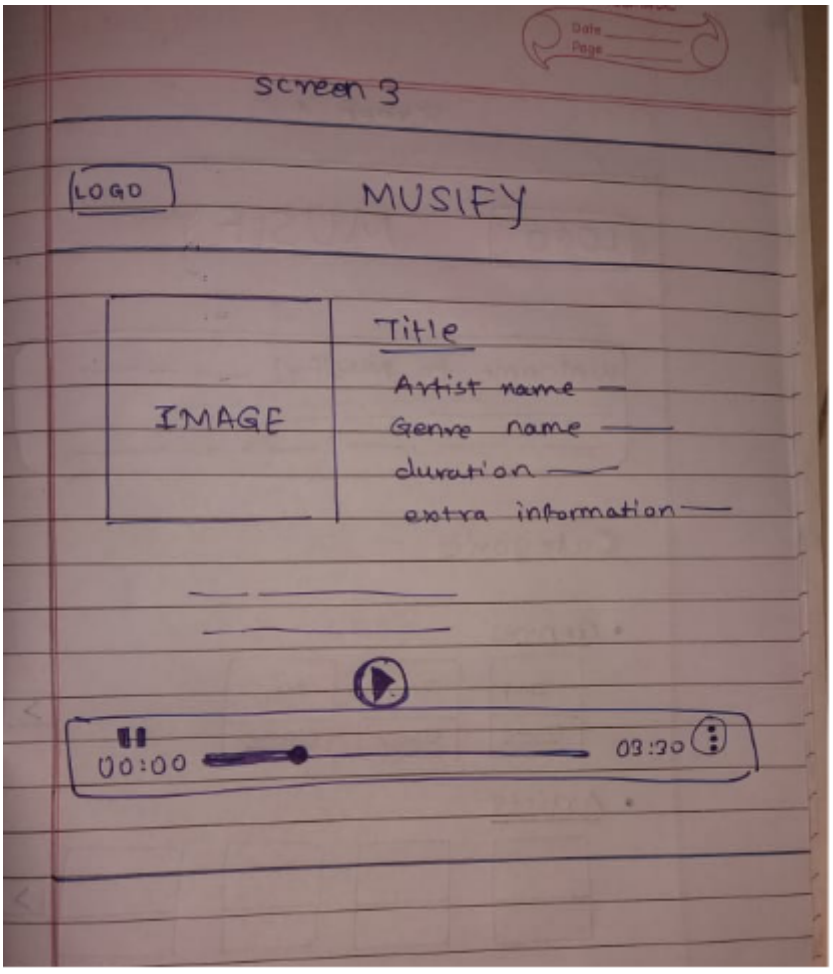
1] Screen1 : Home Page



2] Screen2 : Categories Page



3] Screen3 : songs Page



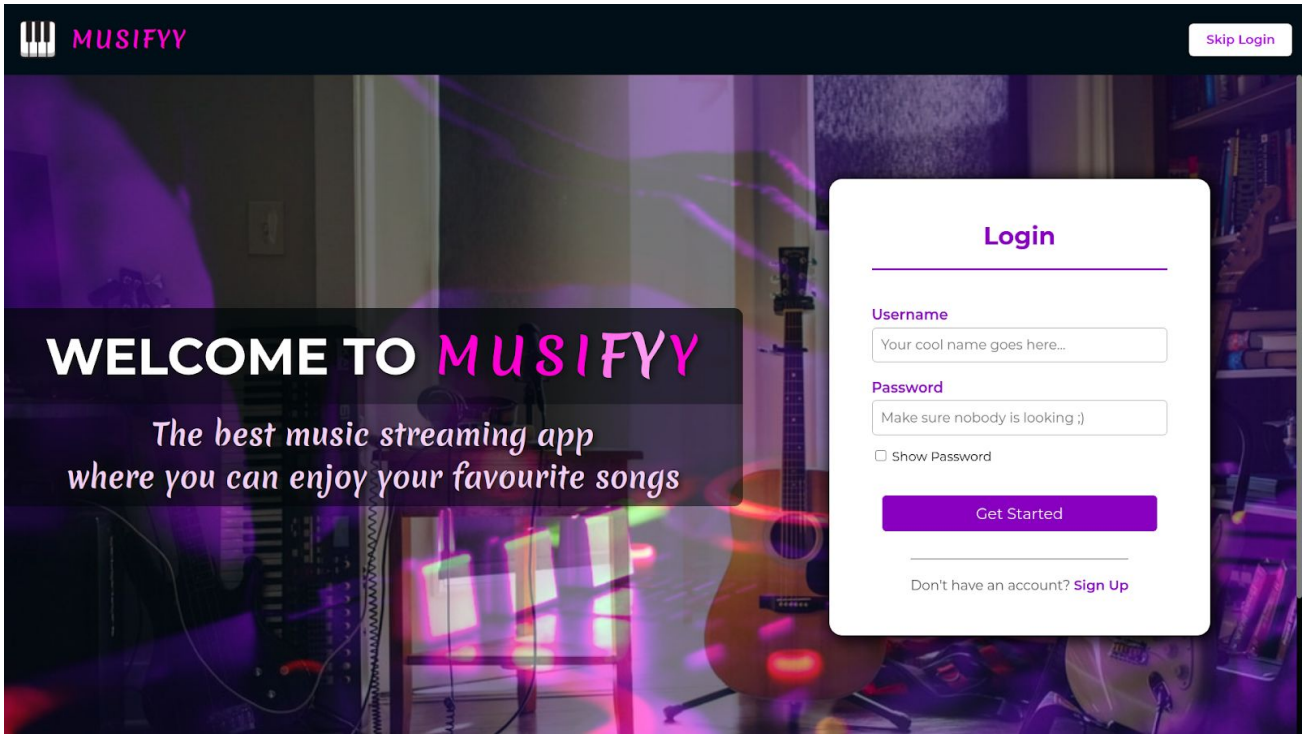
CHAPTER 4

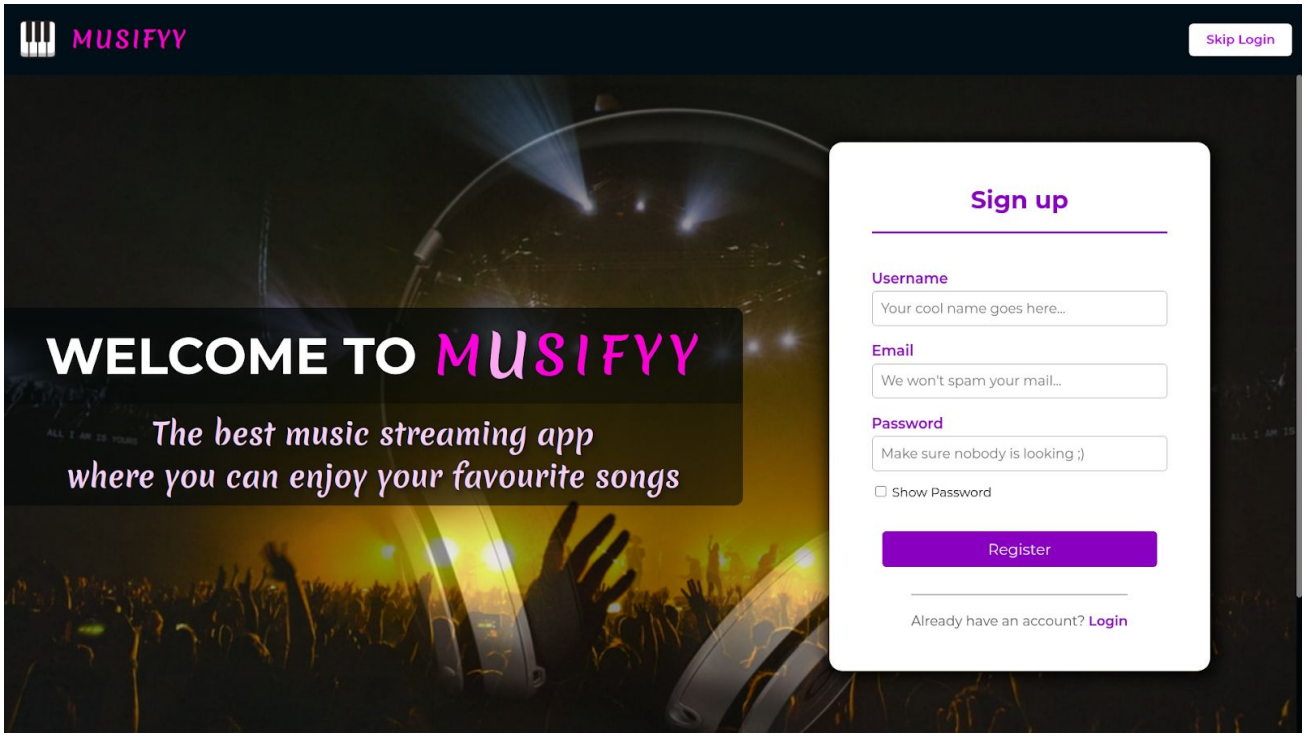
IMPLEMENTATION

welcome.html

This is the welcome page of the website. It contains Login as well as Sign up forms. Both the forms are overlapping each other so that only one form is visible at a time. Users can switch between login / signup form by clicking the link at the bottom of each form. Both the forms have username , password, email validations in javascript which would throw an appropriate error message and display red borders around the particular field as the user types information. If the entered information is valid, the input box turns green. There is also an option to skip login at the top. The user will be automatically redirected to the Homepage once they submit the form successfully.

Basic tags such as <form>, <input>, <label>, , <button>, <a> were used to implement different functionalities. @keyframes were also used to transition between multiple background images. Properties like z-index, perspective, transform : rotate were used for flipping animation of forms. Javascript and regex was used for form validations.

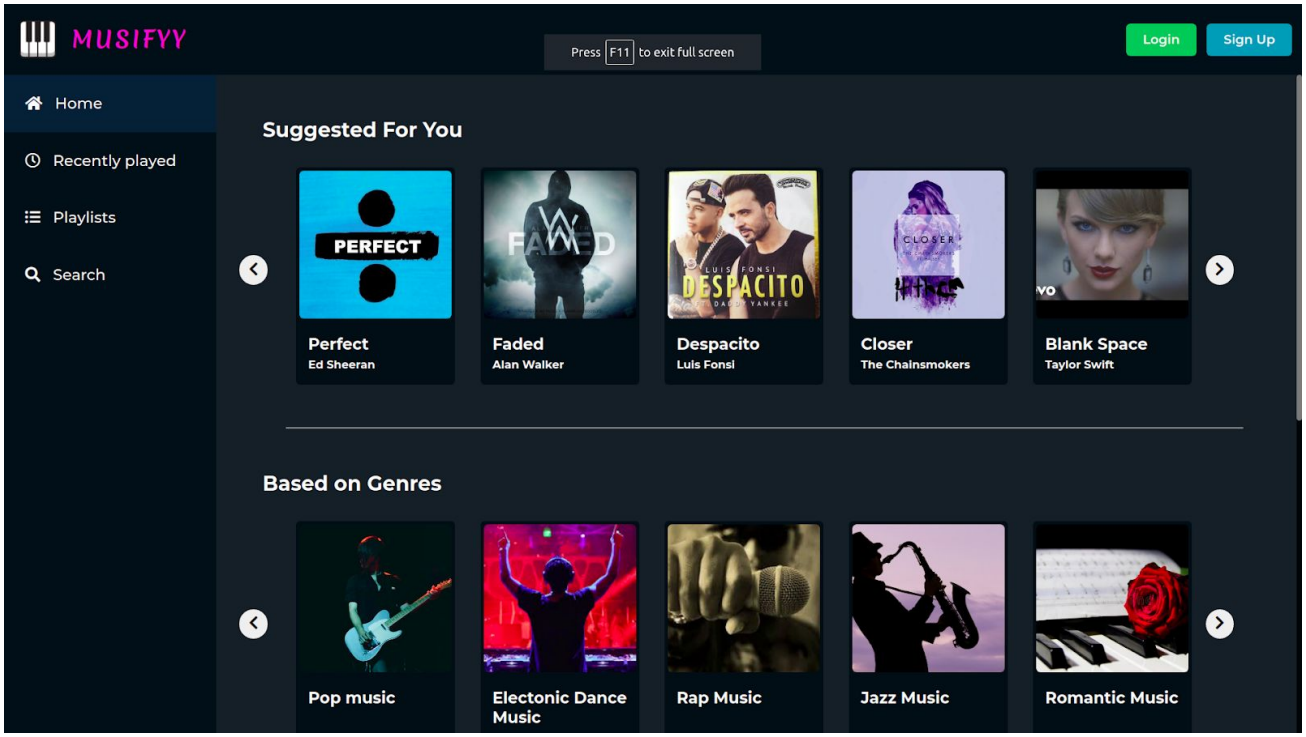


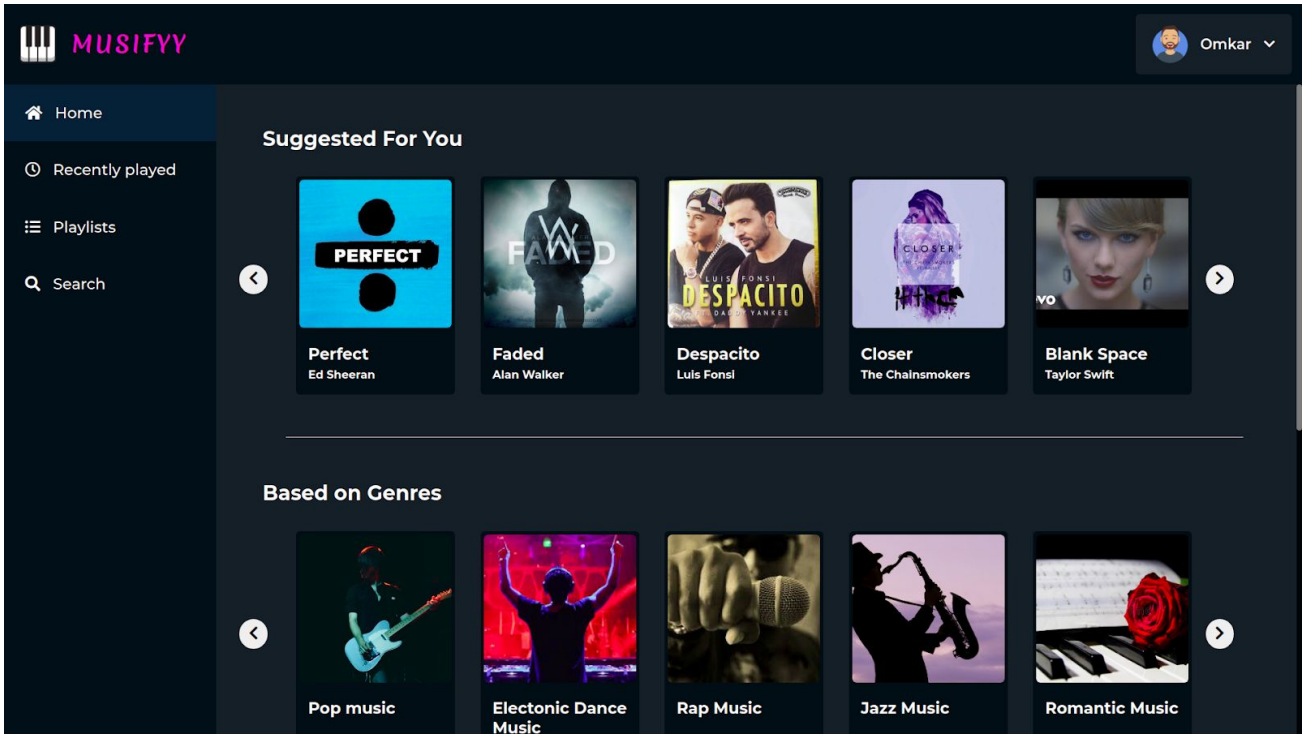


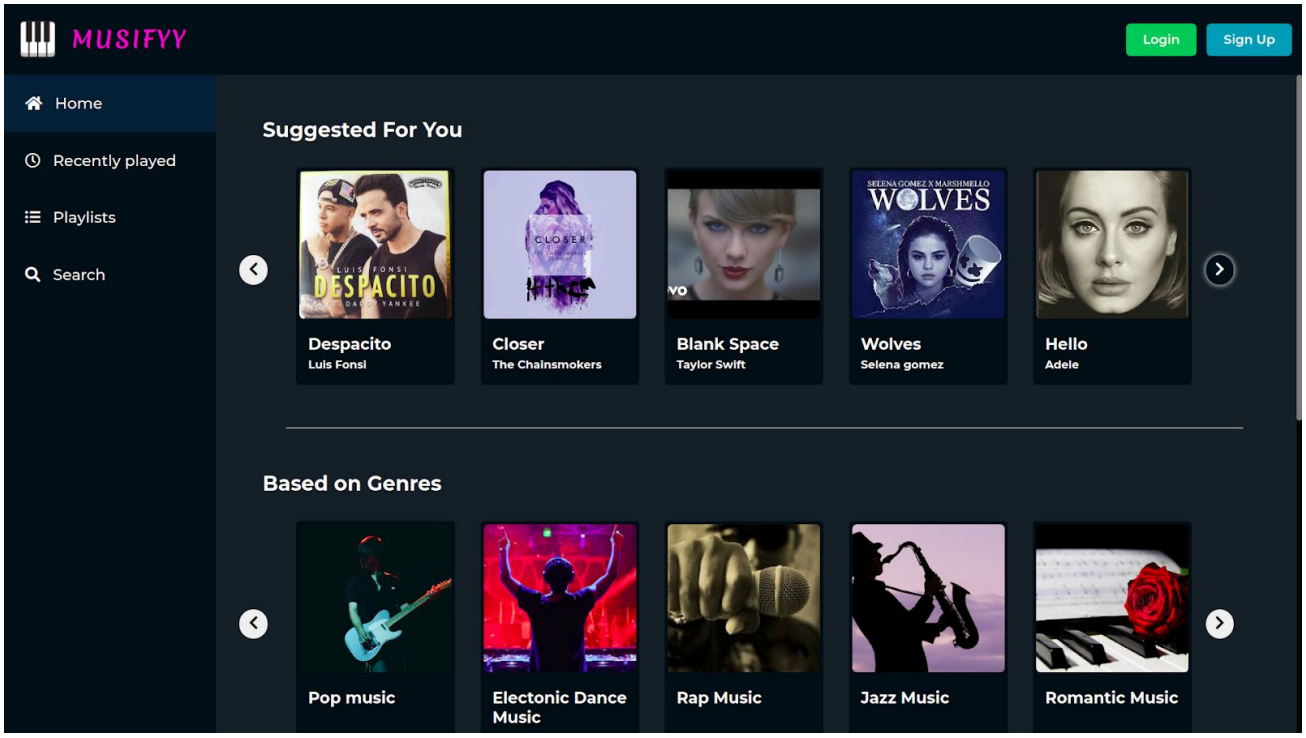
homepage.html

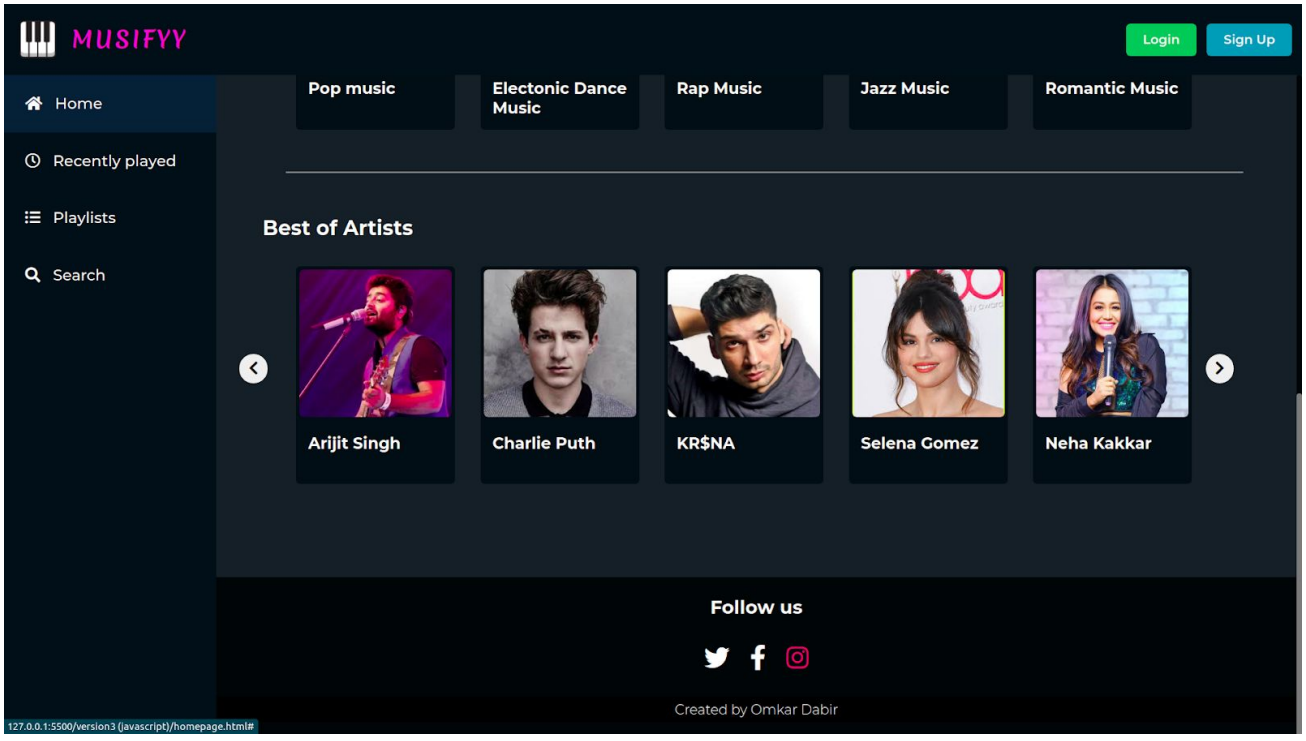
This is the main homepage of the website. It consists of a navbar with brand name and logo on the left corner and login/logout options on the right corner along with a footer which has the social media links. The page also has a sidebar to navigate between different tabs such as Home, Recently Played, Playlists, Search. On the central portion of the page, there are various thumbnails of songs/albums categorized based on genre, artists, suggestions, etc. Users can navigate through the thumbnails by clicking 'previous' and 'next' buttons near each list. Clicking on a thumbnail will redirect users to appropriate pages.

Basic tags such as <header>, <main>, <footer>, <ul>, <li>, <img>, <button>, <a>, <h1>, <h2>, <h3> were used to implement the functionalities. Javascript was used to scroll the thumbnail list.


MUSIFYY
Press F11 to exit full screen
Login
Sign Up
Home
Recently played
Playlists
Search
Suggested For You
Perfect
Ed Sheeran
Faded
Alan Walker
Despacito
Luis Fonsi
Closer
The Chainsmokers
Blank Space
Taylor Swift
Based on Genres
Pop music
Electonic Dance Music
Rap Music
Jazz Music
Romantic Music


MUSIFYY
Omkar
Home
Recently played
Playlists
Search
Suggested For You
Perfect
Ed Sheeran
Faded
Alan Walker
Despacito
Luis Fonsi
Closer
The Chainsmokers
Blank Space
Taylor Swift
Based on Genres
Pop music
Electonic Dance Music
Rap Music
Jazz Music
Romantic Music

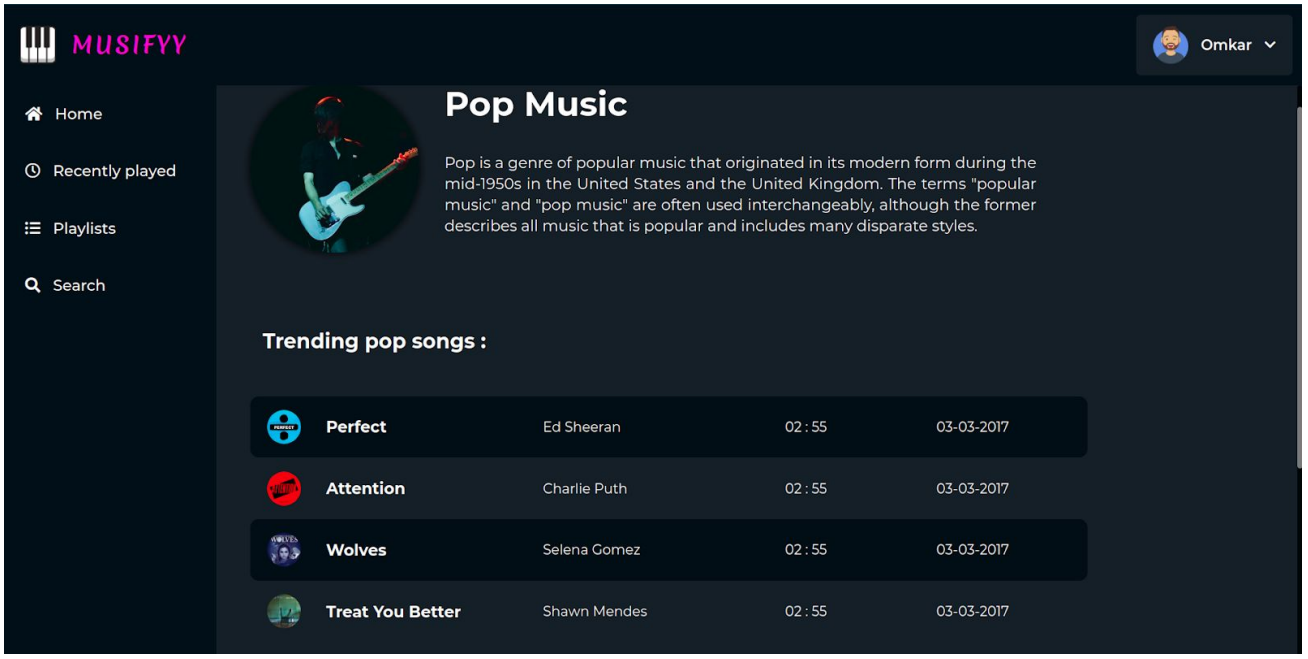

MUSIFYY
Login
Sign Up
Home
Recently played
Playlists
Search
Suggested For You
Despacito
Luis Fonsi
Closer
The Chainsmokers
Blank Space
Taylor Swift
Wolves
Selena gomez
Hello
Adele
Based on Genres
Pop music
Electonic Dance Music
Rap Music
Jazz Music
Romantic Music


MUSIFYY
Login
Sign Up
Home
Recently played
Playlists
Search
Pop music
Electonic Dance Music
Rap Music
Jazz Music
Romantic Music
Best of Artists
Arijit Singh
Charlie Puth
KR$NA
Selena Gomez
Neha Kakkar
Follow us
Created by Omkar Dabir
127.0.0.1:5500/version3 (javascript)/homepage.html#

categories.html

When a user clicks on a thumbnail of a particular category or an album, they are redirected to this page. This page displays some information related to that category and a list of songs coming under that category in the form of table. The details of the song such as title, release date. duration, artist, etc. is also displayed in the table.

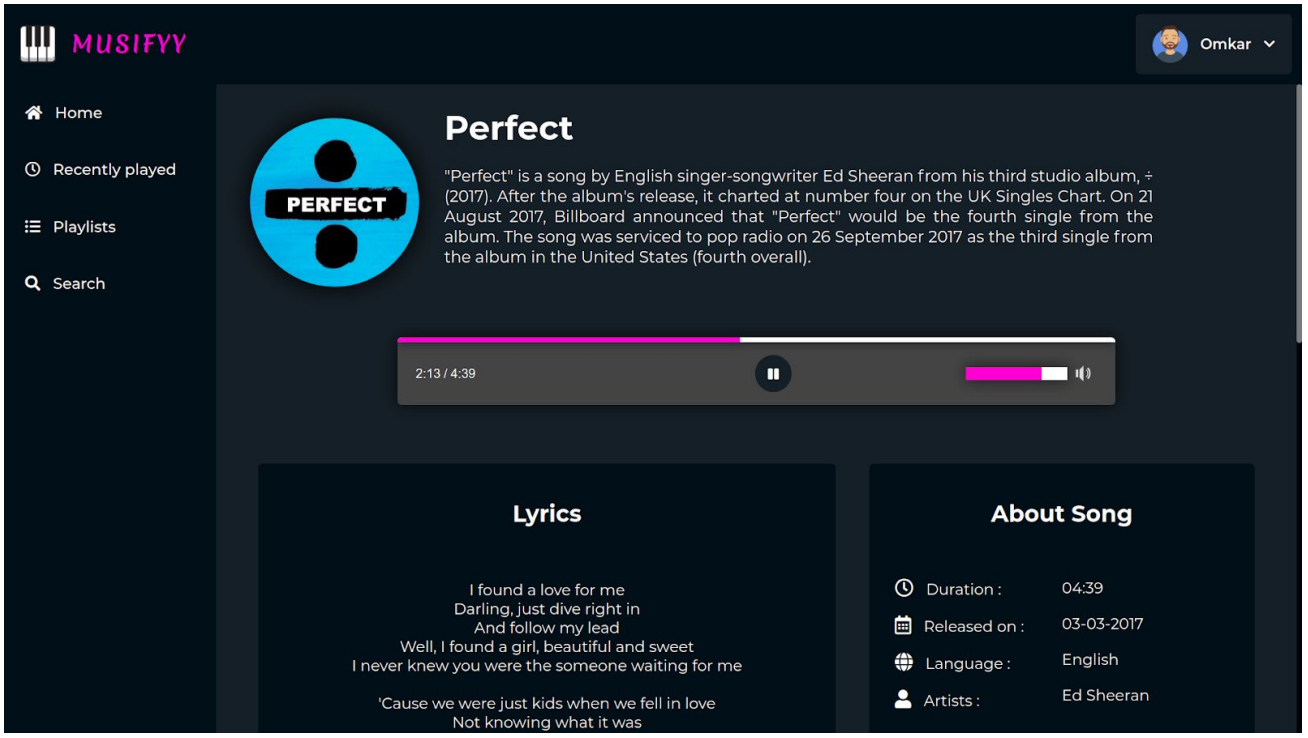
Basic tags such as <ul>, <li>, <img>, <a> were used to implement the functionalities. nth-child selector in css was used to give different background colour to alternate rows of the table.

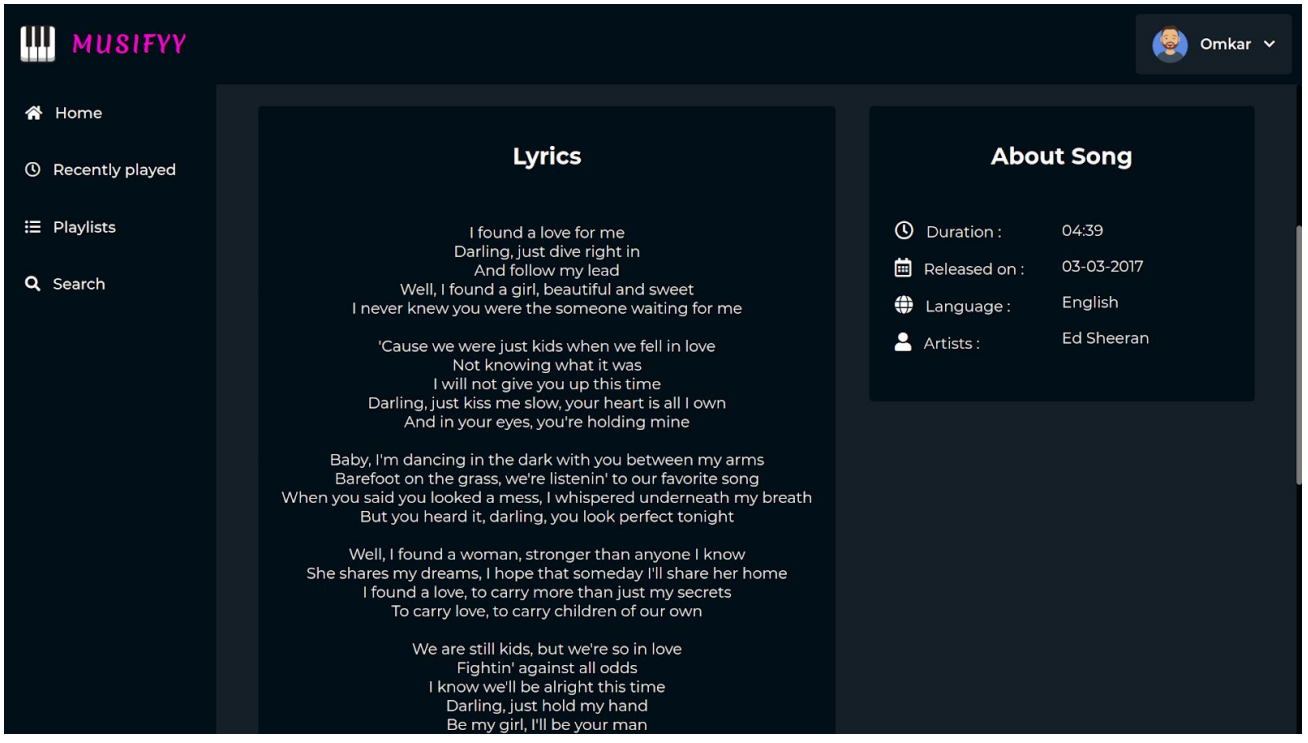


songs.html

When a user clicks on a thumbnail of a song on the homepage or the rows in categories table, they are redirected to this page. This page has all the basic information regarding a particular song along with the actual media player which plays the song. Also the lyrics of the song are displayed on the same page.

Basic tags such as <ul>, <li>, <img>, <a> were used to implement the functionalities. nth-child selector in css was used to give different background colour to alternate rows of the table.

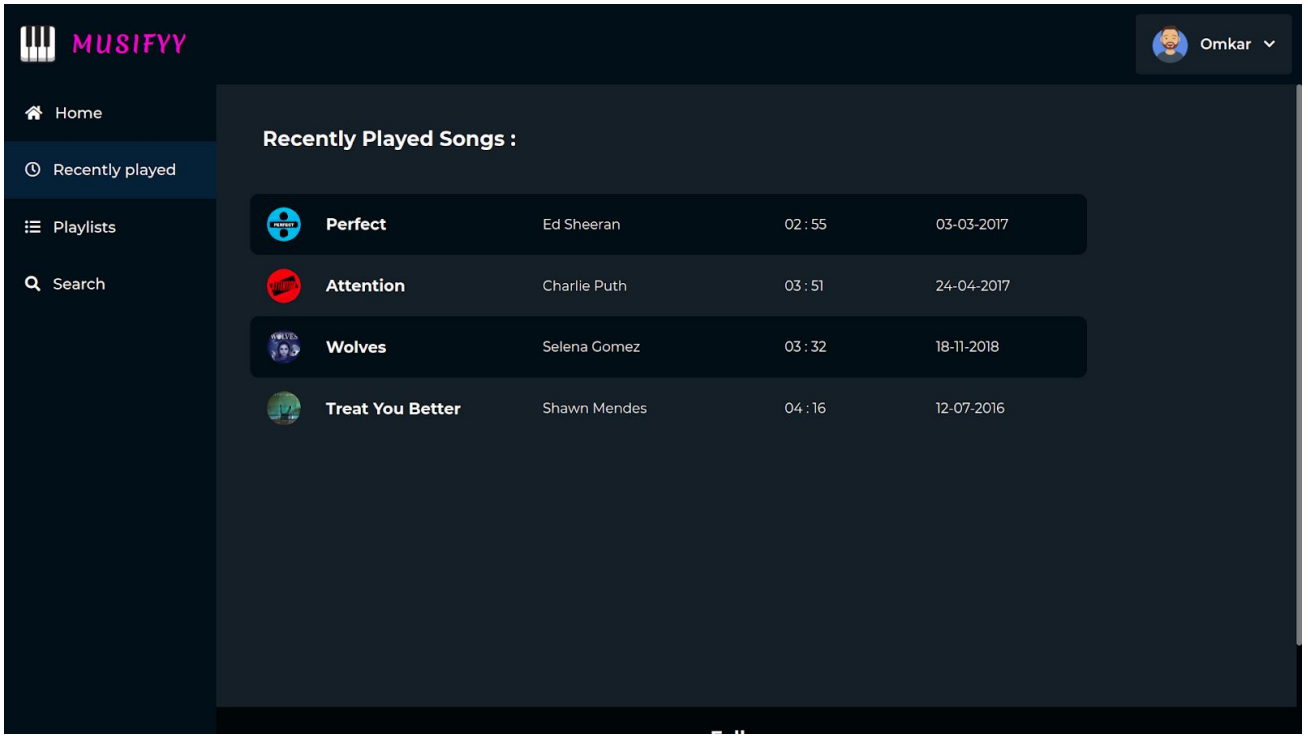

MUSIFYY
Omkar
Home
Recently played
Playlists
Search
PERFECT
Perfect
"Perfect" is a song by English singer-songwriter Ed Sheeran from his third studio album, ÷ (2017). After the album's release, it charted at number four on the UK Singles Chart. On 21 August 2017, Billboard announced that "Perfect" would be the fourth single from the album. The song was serviced to pop radio on 26 September 2017 as the third single from the album in the United States (fourth overall).
2:13 / 4:39
Lyrics
I found a love for me
Darling, just dive right in
And follow my lead
Well, I found a girl, beautiful and sweet
I never knew you were the someone waiting for me
'Cause we were just kids when we fell in love
Not knowing what it was
About Song
Duration : 04:39
Released on : 03-03-2017
Language : English
Artists : Ed Sheeran


MUSIFYY
Omkar
Home
Recently played
Playlists
Search
Lyrics
I found a love for me
Darling, just dive right in
And follow my lead
Well, I found a girl, beautiful and sweet
I never knew you were the someone waiting for me
'Cause we were just kids when we fell in love
Not knowing what it was
I will not give you up this time
Darling, just kiss me slow, your heart is all I own
And in your eyes, you're holding mine
Baby, I'm dancing in the dark with you between my arms
Barefoot on the grass, we're listenin' to our favorite song
When you said you looked a mess, I whispered underneath my breath
But you heard it, darling, you look perfect tonight
Well, I found a woman, stronger than anyone I know
She shares my dreams, I hope that someday I'll share her home
I found a love, to carry more than just my secrets
To carry love, to carry children of our own
We are still kids, but we're so in love
Fightin' against all odds
I know we'll be alright this time
Darling, just hold my hand
Be my girl, I'll be your man
About Song
Duration : 04:39
Released on : 03-03-2017
Language : English
Artists : Ed Sheeran

recent.html

When a user clicks on the ‘recently played’ tab in the sidebar menu, they are redirected to this page. This page displays a list of recently played songs in a table manner. The user can also click on the song title to play the song.

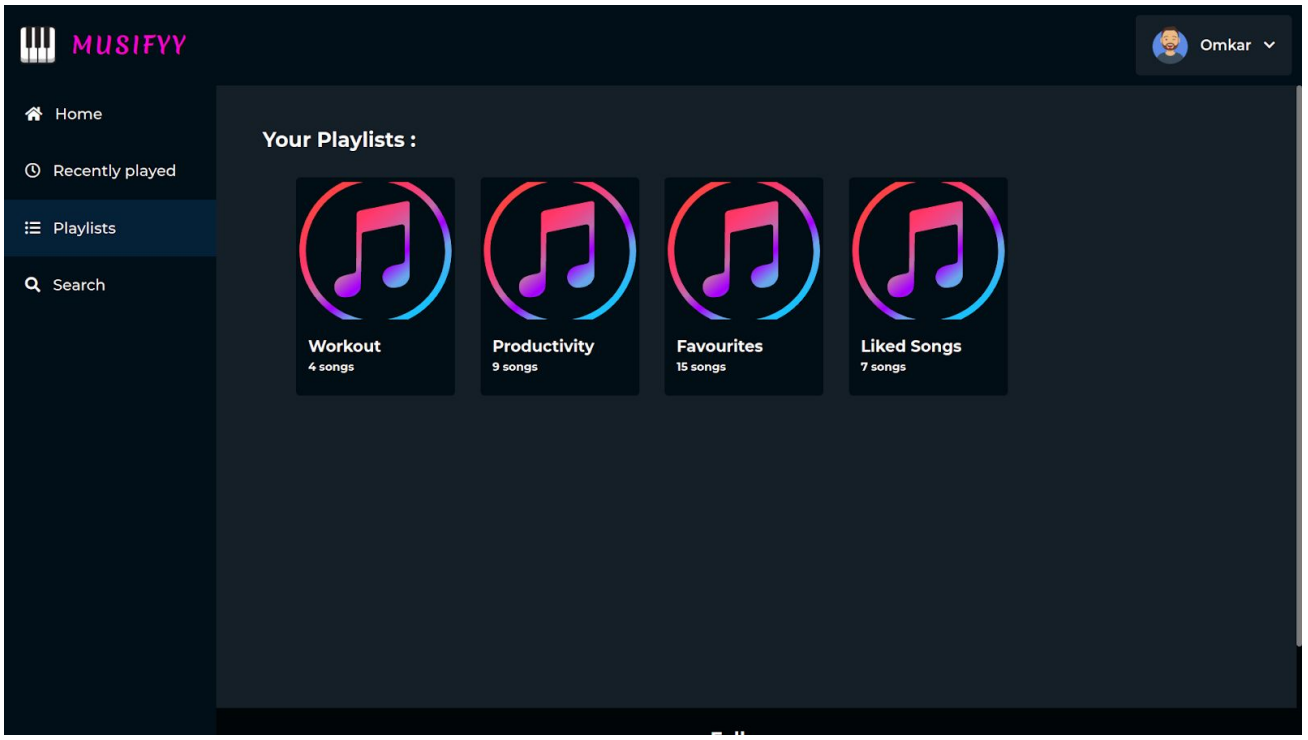
Basic tags such as <ul>, <li>, <img>, <a> were used to implement the functionalities.



playlists.html

When a user clicks on the ‘playlists’ tab in the sidebar menu, they are redirected to this page. This page displays a list of different playlists in a grid of thumbnails.
The user can also click on the thumbnail to view the songs in that playlists.

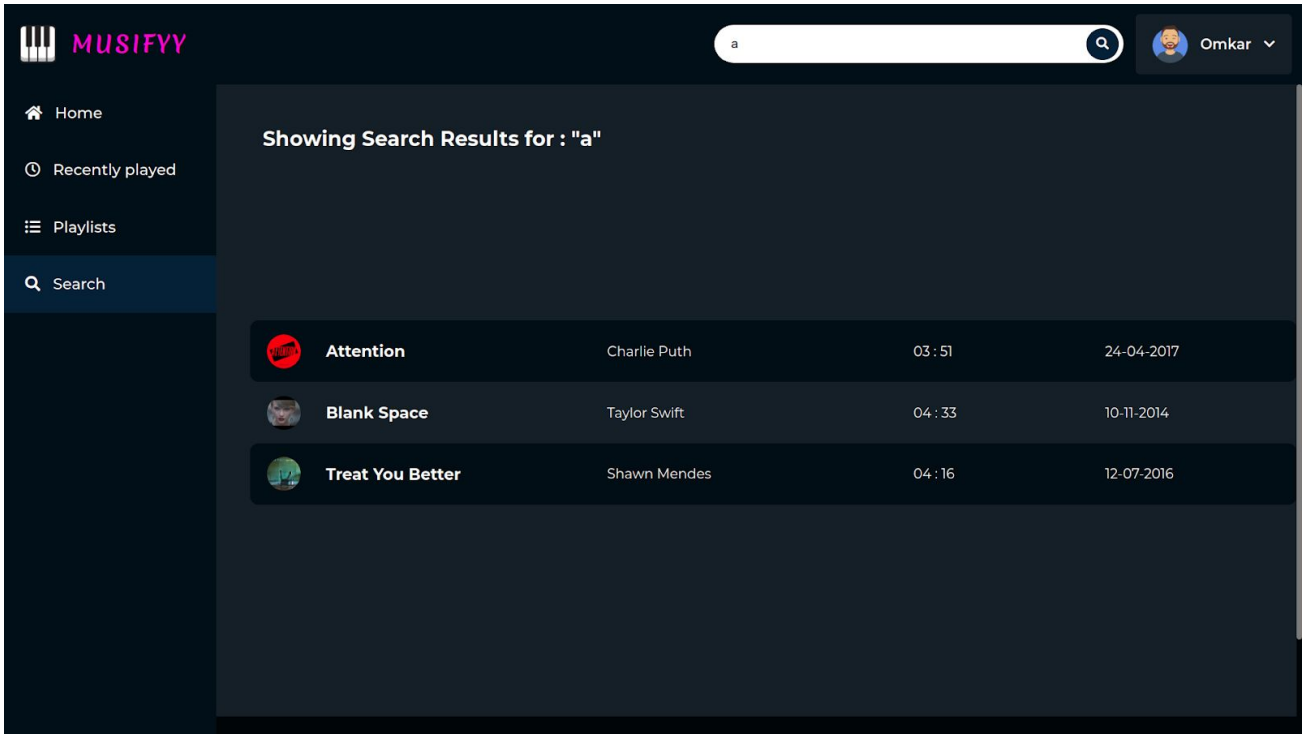
Basic tags such as <ul>, <li>, <img>, <a> were used to implement the functionalities.

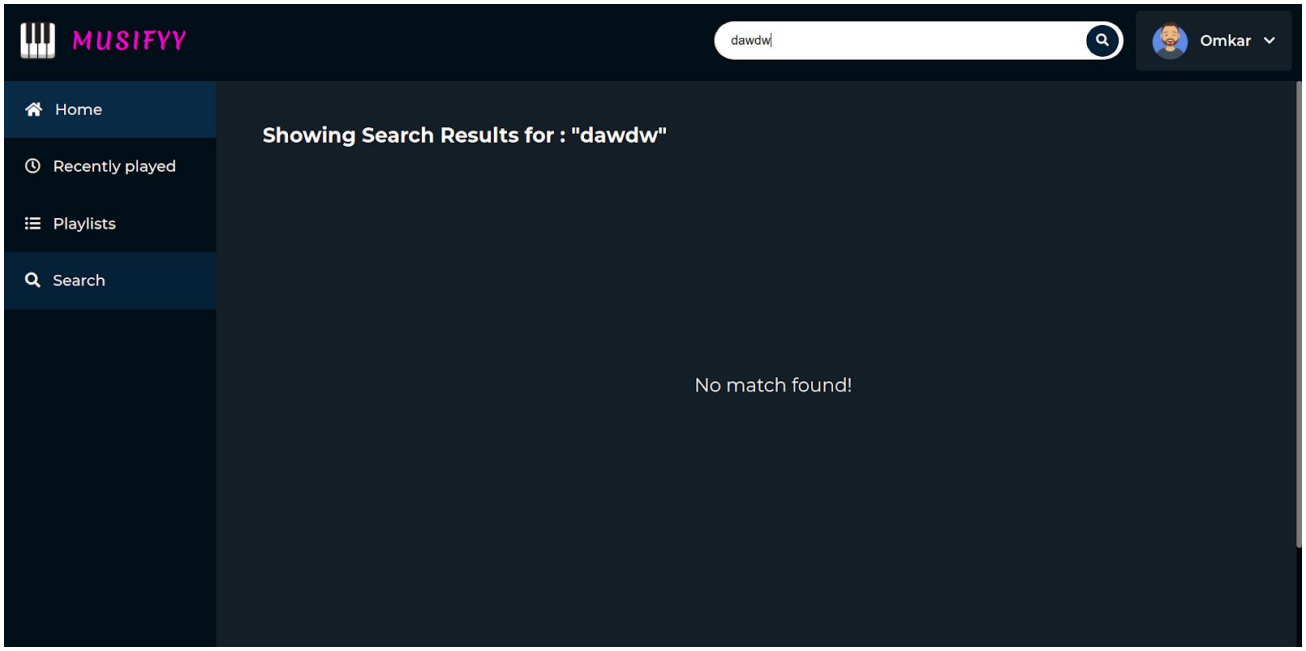


search.html

When a user clicks on the ‘search’ tab in the sidebar menu, they are redirected to this page. This page contains a search box in the navbar area. When a user starts typing something in the search box, the songs whose title contains the phrase entered by the user are displayed in a list format dynamically. If the matching songs are not found, it shows the appropriate message on the screen.

Basic tags such as <ul>, <li>, <img>, <a> were used to implement the functionalities. Javascript was used to implement the logic behind searching the songs and displaying them on the page dynamically.




MUSIFYY
dawdw
Omkar
Home
Recently played
Playlists
Search
Showing Search Results for : "dawdw"
No match found!

CHAPTER 5

CONCLUSION

This project has successfully covered the main objectives and goals discussed previously. Some additional functionalities were also added to the project which would enhance the overall user experience. This project would be useful for people interested in listening to their favourite music and will provide them an enriched and personalised music experience. This project is undertaken to provide a free and uninterrupted music streaming facility to its users.

REFERENCES

[1] https://open.spotify.com/

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[3] https://www.jiosaavn.com/

[4] https://fontawesome.com/icons

[5] https://fonts.google.com/specimen/Montserrat

[6] https://developer.mozilla.org/en-US/docs/Web/JavaScript

[7] https://developer.mozilla.org/en-US/docs/Web/CSS