Dharamsinh Desai University, Nadiad



Faculty of Technology

Computer Engineering Department

**B.Tech. CE sem-V**

**Subject: (CE-515) Advanced Technology**

**Music Listening Website**

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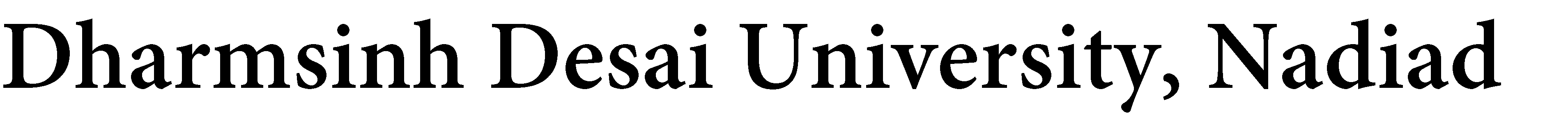
&

Prof. Parth R. Dave

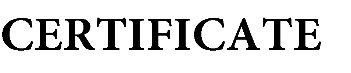
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This is to certify that Advanced Technologies Project entitled “**Music Listening Website**” is the bonafied report of work carried out by

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Department of Computer Engineering ,Semester V, academic year 2019-2020, under our supervision and guidance.



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**ABSTRACT**

Music plays a very important role in human’s daily life and in the modern advanced technologies.

The main aim of developing this online music world site advanced technologies based web application, it’s a collection of songs in one place where users can get their like songs and listen the songs on our website at free of cost only is to just create new account in our site.

This is one type of online music player. Now a day’s in the most of music websites has some constraints that is if user want to download particular song then user has to create premium account.

So, in our website to eliminate that situation user has to just login and after that user can play & listen selected music and also download it without any cost. The main advantage is it is user friendly provide 24 hours customer service and decrease the manual efforts and time.

- Developer’s Team

(Devendrakumar, Milan & Kumar)

**INTODUCTION**

Our Project topic is Music World. We have developed this site for users satisfaction. Now a day’s Music has held an important place in people’s lives.

The main aim of this music world site is to manage the details of the music, customer, album type. It manages all the information about music, track, album type, music. The project is built at administrative end and thus only the administrative is guaranteed the access. In this project user can play and listen songs and even download the songs without any cost but for that user must have account in this website. in this website users can select any playlist and song list will be displayed. By selecting any song from the list song will be played and audio player will be displayed at the bottom of the window with song title. And also there is like button user can press that button and particular song will be added in favorite playlist of the user and if click it again then song will be removed.

**Tools/Technologies Used**

Technologies: HTML5,

CSS3,

Bootstrap4,

Angular cli,

Typescript,

Node JS,

Express,

Multer,

Mongo DB

Tools: Visual Studio Code,

MongoDb Compass,

Browser

Platforms: localhost/4200 for angular,

localhost/3000 for node js,

mongodb://127.0.0.1:27017 for Mongo db

- Developer’s Team

(Devendrakumar, Milan & Kumar)

**SOFTWARE REQUIREMENT SPECIFICATION**

**for**

**MUSIC LISTENING WEB SITE**

1. **User log in :-**

*Description:* If users want to log in or sign up then users can do that. Users can log in or sign up by email id. Users can still accesses the home page without login or sign up.

*Input:* User enters email id.

*Output:* Successfully logged in message and home page.

1. **Home Page:-**

*Description:* It contains search, user menu, queue buttons and various play lists like New Released, Film Album, Recently Played (If user logged in), Hit Songs, Romantic Songs, Artists Albums and other albums generated by admin.

R2.1 **Search:**

*Input:* Song Name

*Output:* Results of Related Songs

R2.2 **Play Lists:**

*Input:* User selection

*Output:* All songs of that play lists

R2.3 **Queue of Songs:**

*Description:* User add songs in queue to listen songs in sequence.

*Input:* User selection

*Output:* Show queue songs

R2.4 **User Menu:**

*Description:* If users logged in then they can see their details and log out button.

*Input:* User Selection

*Output:* User details, User's Play lists, User's favourite songs, Log out button.

R3. **My Play Lists:-**

*Description:* Users can create their own play lists by selecting songs from different playlist after logged in.

*Prerequisite condition:* User must be logged in.

*Input:* User Selection of songs

*Output:* Successful message

R4. **My Favourite:-**

*Description:* Songs liked by user are shown here.

*Prerequisite condition:* User must be logged in.

*Input:* User Selection

*Output:* Display Songs

R5. **Play Song:**

*Input:* User Selection

*Output:* Play song

R6. **User Access to Songs:-**

*Description:* Song Details such as name, duration, artists name, number of likes, number of time played. User can download, share songs and like song.

*Input:* User Selection

*Output:* Song will be played, details of song.

R6.1 **Like Song:**

*Prerequisite condition:* User must be logged in.

*Input:* User Selection

*Output:* If user is logged in then they can like otherwise redirected to log in page

R6.2 **Download Song:**

*Input:* User Selection

*Output:* Downloading will be started

R6.3 **Share Song:**

*Description:* User can share song via email or can copy link of song.

*Input:* User selection

*Output:* Successful message

R7. **Feedback:-**

*Description:* User can give general feedback by email without logged in.

*Input:* User details and message

*Output:* Successful message

R8. **Admin Panel:-**

*Description:* Admin can manage songs, view general statistics, manage feedback.

*R8.1* ***Add Songs:***

*Input:* Song Details and upload mp3 file of song

*Output:* Successful message

R8.2 **Remove Song:**

*Input:* Song Id

*Output:* User selection to remove and then remove song

R8.3 **General Statistics:**

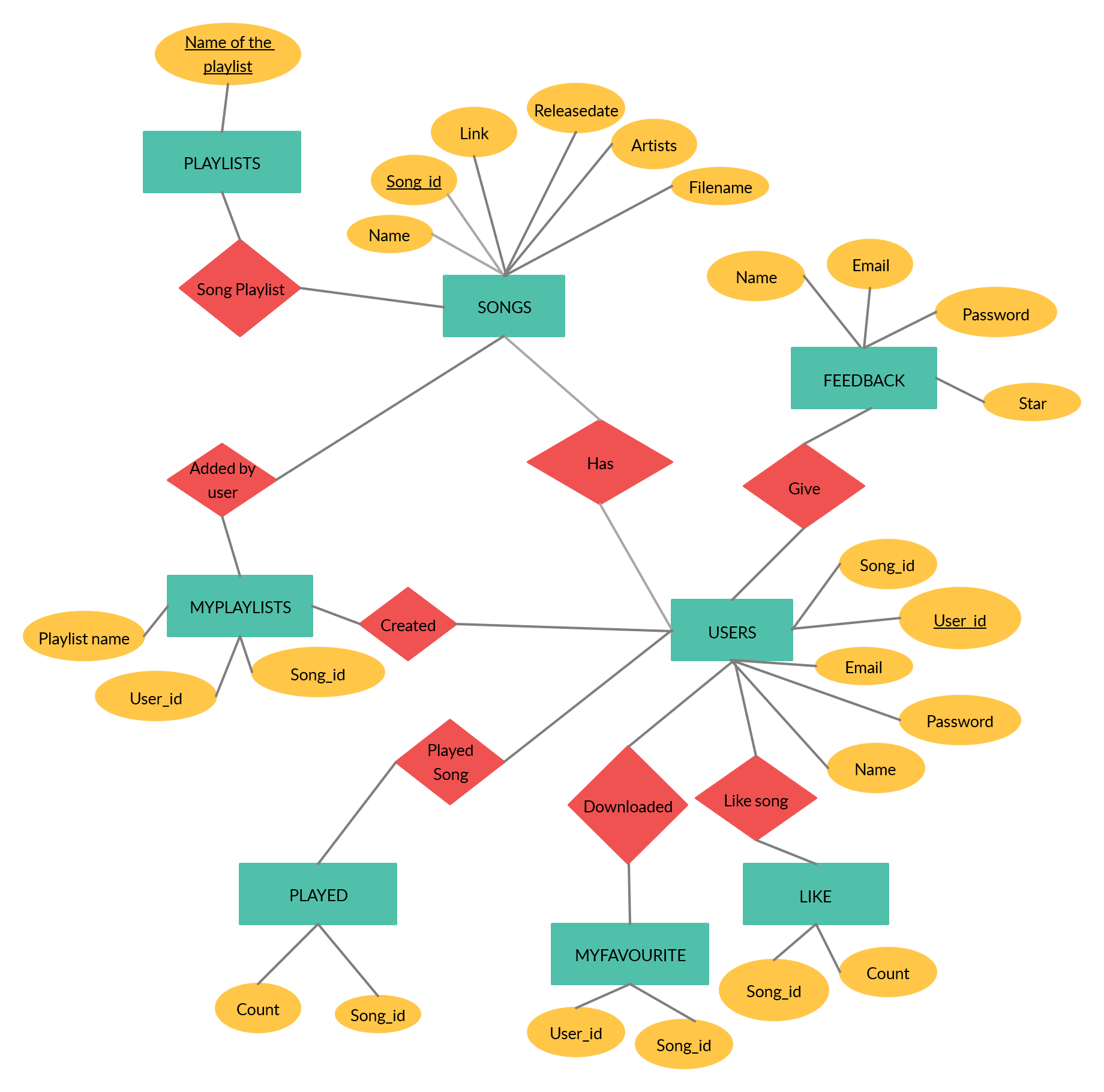
*Description:* Admin can see total likes, total songs, total visitors, feedback.

*Input:* User Selection

*Output:* Display Data

**DESIGN**

* **E-R diagram:-**

****

* Data dictionary:-

1)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Feedback | | | | | | | | |
| Sr. No. | Field Name | Data Type | Width | Required | Unique | PK/FK | Referenced Table | Description |
| 1. | name | varchar2 | 30 | yes | yes | FK | Users |  |
| 2. | email | varchar2 | 25 | yes | yes | FK | Users |  |
| 3. | star | number | 5 | yes | yes |  |  |  |
| 4. | message | varchar2 | 150 | yes | yes |  |  |  |

2)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Users | | | | | | | | |
| Sr. No. | Field Name | Data Type | Width | Required | Unique | PK/FK | Referenced Table | Description |
| 1. | user\_id | varchar2 | 5 | yes | yes | PK |  |  |
| 2. | name | varchar2 | 30 | yes | yes |  |  |  |
| 3. | email | varchar2 | 25 | yes | yes |  |  |  |
| 4. | password | varchar2 | 12 | yes | no |  |  |  |
| 5. | song\_id of played song | number | 5 | yes | yes | FK | Users |  |

3)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Songs | | | | | | | | |
| Sr. No. | Field Name | Data Type | Width | Required | Unique | PK/FK | Referenced Table | Description |
| 1. | song\_id | number | 5 | yes | yes | PK |  |  |
| 2. | name | varchar2 | 30 | yes | yes |  |  |  |
| 3. | filmname | varchar2 | 30 | yes | yes |  |  |  |
| 4. | release date | date | 25 | yes | no |  |  |  |
| 5. | artists | varchar2 | 25 | yes | yes |  |  |  |
| 6. | link | varchar2 | 50 | yes | yes |  |  |  |

4)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Playlists | | | | | | | | |
| Sr. No. | Field Name | Data Type | Width | Required | Unique | PK/FK | Referenced Table | Description |
| 1. | name of  playlists | varchar2 | 25 | yes | yes | PK |  |  |

5)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Liks | | | | | | | | |
| Sr. No. | Field Name | Data Type | Width | Required | Unique | PK/FK | Referenced Table | Description |
| 1. | song\_id | number | 5 | yes | yes | FK | Songs |  |
| 2. | count | number | 5 | no | yes |  |  |  |

6)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Played | | | | | | | | |
| Sr. No. | Field Name | Data Type | Width | Required | Unique | PK/FK | Referenced Table | Description |
| 1. | song\_id | number | 5 | yes | yes | FK | Songs |  |
| 2. | count | number | 5 | no | yes |  |  |  |

7)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| My Favourite | | | | | | | | |
| Sr. No. | Field Name | Data Type | Width | Required | Unique | PK/FK | Referenced Table | Description |
| 1. | user\_id | number | 5 | yes | Yes | FK | Users |  |
| 2. | song\_id | number | 5 | yes | Yes | FK | Songs |  |

8)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| My Playlists | | | | | | | | |
| Sr. No. | Field Name | Data Type | Width | Required | Unique | PK/FK | Referenced Table | Description |
| 1. | user\_id | number | 5 | yes | Yes | FK | Users |  |
| 2. | playlist  name | varchar2 | 25 | yes | Yes | FK | Playlists |  |
| 3. | song\_id | number | 5 | yes | Yes | FK | Songs |  |

**IMPLEMENTION DETAILS**

* Modules:-
* Login Module:

If users want to log in or sign up then users can do that. Users can log in or sign up by email id. If user forgot account password then by giving account email user can do, by OTP verification.

* Player module:

Song selected by user from song list will be played by audio player.

* Playlist module:

In home page all playlists will be displayed in some groups like Top Songs, Recently Released, etc.

* Song list module:

All songs of particular playlist will be displayed and user can select a song to play it.

* My Favourites module:

All favourite songs for particular user is managed. User can add and remove songs as per his/her interest.

* Major Functionalities:-
* Manage songs
* Manage playlists
* Manage categories
* log in / sign up
* play song
* song details
* user menu
* search song / playlist
* recently added songs
* category vise songs
* like (liked song will be added to user’s favourite) and download song

**TESTING**

|  |  |  |
| --- | --- | --- |
| EXECUTED | Passed | 12 |
| Failed | 0 |
| Total (Passed + Failed) | | 12 |
| Pending | | | 0 |
| In Process | | | 0 |
| Blocked | | | 0 |
| (Sub-Total) Total | | | 12 |

* **Testing of Individual Function :-**

Function 1:- Display Playlists

Case 1: MongoDB isn’t connected

O|P: playlists will not be displayed

Case 2: MongoDB is connected

O|P: playlists will be displayed

Function 2:- Display Songs of Selected Playlist

Case 1: MongoDB isn’t connected

O|P: songs will not be displayed

Case 2: MongoDB is connected

O|P: songs will be displayed

Function 3:- Play Selected Song

Case 1: Song is not found in ‘Songs’ folder

O|P: song will not be played

Case 2: Song is found in ‘Songs’ folder

O|P: song will be played

Function 4:- Display Songs of My Favourite

Case 1: Favourite songs are not found for a User

O|P: songs will not be displayed

Case 2: Favourite songs are found for a User

O|P: songs will be displayed

Function 5:- Like Song

Case 1: User has been logged in

O|P: Song is liked and alert box with message “Song is added to My Favourite”

Case 2: User again press like button

O|P: Song is dis liked and alert box with message “Song is removed from My Favourite”

Case 3: User has not been logged in

O|P: Like button will not be displayed

Function 6:- Remove Song from My Favourite

Case 1: User press remove button

O|P: Song is removed from My Favourite, alert box with message “Song is removed from My Favourite” and list will be updated

Case 2: User again press like button

O|P: Song is dis liked and alert box with message “Song is removed from My Favourite”

Case 3: User has not been logged in

O|P: Like button will not be displayed

Function 7:- User Login

Case 1: User details is not found in MongoDB

O|P: Alert box with message “User not found”

Case 2: User details is found in MongoDB but password is incorrect

O|P: Alert box with message “Invalid username/password”

Case 3: Correct user details

O|P: User will be redirected to home page, cookie is set for one your and Login/Signup button will be changed with user icon

Function 8:- User Signup

Case 1: User email is found in MongoDB

O|P: Alert box with message “Already exists mmusic account on given email id”

Case 2: Password and conform password are not matched

O|P: Alert box with message “Both password must be same”

Case 3: Correct user details

O|P: OTP will be sent on given email and user will redirected to OTP page

Function 9:- Forgot Password

Case 1: User email is found in MongoDB

O|P: OTP will be sent on given email and user will redirected to OTP page

Case 2: User email is not found in MongoDB

O|P: Alert box with message “Not mmusic account on give email id”

Function 10:- OTP Verification

Case 1: OTP entered by user and OTP which is sent to user are not match

O|P: Alert box with message “Incorrect OTP”

Case 2: OTP entered by user and OTP which is sent to user are match

O|P: Based on cookie value if user is signing up then redirected to home page, cookie is set for one your and Login/Signup button will be changed with user icon. Otherwise redirected to change password page.

Function 11:- Change Password

Case 1: Password and Conform Password are not same

O|P: Alert box with message “Both password must be same”

Case 2: Password and Conform Password are same

O|P: Password will be updated in MongoDB and alert box with message “Password is updated successfully. Now, login with new password”

Function 12:- User Logout

Case 1: User will be logout

O|P: cookie of login will be destroid and user icon will be changed to Login/Signup button.

**SCREEN-SHOTS**

* **Home:-**

**A screenshot of a cell phone

Description automatically generated**

* **All Songs of Playlist:-**

**A screenshot of a cell phone

Description automatically generated**(Without Login)

**A screenshot of a cell phone

Description automatically generated**(After Login)

* **Like and Dislike Songs:-**

**A screenshot of a cell phone

Description automatically generated**(Liked)

**A screenshot of a cell phone

Description automatically generated**(Disliked)

* **Footer:-**

**A screenshot of a cell phone

Description automatically generated**

* **My Favourites:-**

**A screenshot of a cell phone

Description automatically generated**

(After removing any song)

**A screenshot of a cell phone

Description automatically generated**

* **Login:-**

**A screenshot of a cell phone

Description automatically generated**

* **After Login:-**

**A screenshot of a cell phone

Description automatically generated**

* **Signup:-**

**A screenshot of a cell phone

Description automatically generated**

* **Forgot Password:-**

**A screenshot of a cell phone

Description automatically generated**

* **OTP on User Email ID:-**

**![A screenshot of a cell phone

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEASABIAAD/4S3kRXhpZgAATU0AKgAAAAgABgALAAIAAAAmAAAIYgESAAMAAAABAAEAAAExAAIAAAAmAAAIiAEyAAIAAAAUAAAIrodpAAQAAAABAAAIwuocAAcAAAgMAAAAVgAAEUYc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFdpbmRvd3MgUGhvdG8gRWRpdG9yIDEwLjAuMTAwMTEuMTYzODQAV2luZG93cyBQaG90byBFZGl0b3IgMTAuMC4xMDAxMS4xNjM4NAAyMDE5OjEwOjIyIDIzOjQyOjEwAAAGkAMAAgAAABQAABEckAQAAgAAABQAABEwkpEAAgAAAAM4NwAAkpIAAgAAAAM4NwAAoAEAAwAAAAEAAQAA6hwABwAACAwAAAkQAAAAABzqAAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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**CONCLUSION**

In this project, Admin User can manage songs, categories, playlists and view statistics like number of total songs, playlists with number of songs, categories with number of songs.

User can login, signup, logout and change password. By selecting any playlist song list will be displayed. By selecting any song from that list, song will be played and audio player will be displayed at the bottom of the window with song title. By pressing like button of particular song, that song will be added in My Favourite playlist of that user. By pressing download button .mp3 file will be downloaded.

**LIMITATIONS**

***&***

**FUTURE EXTENSION**

* Limitations:

- User can't play entire playlist.

- Song Queue is not there.

* Not Implemented Functionality:

- User can't create your own playlists.

* Future Extension:

- User can play entire playlist.

- User can create your own playlists.

**BIBLIOGRAPHY**

To build this project we have taken references from following websites,

* W3schools – <https://www.w3schools.com/>
* StackOverflow – <https://stackoverflow.com/>
* NpmJS – <https://www.npmjs.com/>
* Angular – <https://angular.io/docs>
* NodeJS – <https://nodejs.org/en/docs/>
* MongoDB – <https://docs.mongodb.com/>
* Tutorialspoint – [https://www.tutorialspoint.com](https://www.tutorialspoint.com/)