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FPT - APTECH COMPUTER EDUCATION

Centre Name: ACE-HCMC-2-FPT.

Address: 590 Cach Mang Thang 8, District 3, Ho Chi Minh City, Viet Nam.



protify.com.vn

PROJECT DOCUMENTATION SEM 2

| | | |
|-------------------|--------------------------|---------------------|
| Supervisor | Lê Mộng Thúy | |
| Batch. | T1.1907.M0 | |
| Group. | 3 | |
| Serial No. | Enrollment Number | Student Name |
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| 4. | Student1215632 | Lương Trúc Quỳnh |

01 June 2020



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This is to certify that

Mr. / Mrs. :

Ngô Thị Đoan Dung

Hoàng Minh Tâm

Lương Trúc Quỳnh

Võ Minh Thu

Has successfully designed & developed:

Project Sem 2 :

Protify Music Streaming WebApp

Submitted by:

Hoàng Minh Tâm

Date of issue:

May 27th 2020

Authorised Signature:

Hoàng Minh Tâm



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REVIEW 1



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Acknowledgement

Nowadays, people always need entertainment in a busy life. For this reason, the Protify project has appeared with our passion and enthusiasm. With our Protify website, we believe that this website will become a good choice for listening to music.

In the PROTIFY website, the clients will receive great satisfaction with the amazing music web for them. First of all, we would like to express heartfelt thanks to Mrs. Le Mong Thuy- the instructor accompanies us during the project. When we had any problems with that, she always supports us at any time.

Especially, Mrs. Thuy put all her faith in the PROTIFY website, therefore, we have more and more self-confidence to complete the project. During the process to carry out this project, we had a good opportunity that learns more about the knowledge of information technology. This is the perfect begin in our future enterprise.

Finally, we hope that the PROTIFY website is always received their love as belief in the future. Thanks to that, we will always try our best to bring the most pleased users.



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Problem Definition

I. Introduction

The PROTIFY is an application website where users can listen to music or update the detailed news of famous artists, even they can create their special playlist on the PROTIFY website.

It's is the best choice for lover music who want to listen to many kinds of music product, and enjoy the magic of music. After selecting a website, the user can choose any song that they like by touching the list of songs, made their own playlist where they want to set up their favorite songs in one catalog.

Finally, the theme on our music website is customized based on the inclination of the listener.

II. Existing Scenario

The PROTIFY website is an illustrated piece of the miniature music world with high quality of sound, HD resolution in the theme. Although lots of music website has appeared on the monopoly market nowadays.

However, the PROTIFY web is a unique project that brings new experiences as a breakthrough both in inland and international technology. When the art music industry is growing, music is the best remedy that heals all wound in mentally. People enjoy music as a way to unwind after such a long day with hard work.

There are many genres of art music, however, information technology is developing, we do not need to go to the show or music store but still can listen and appreciate any kind of music with just a touch in screen or a mouse click.

Our PROTIFY website was created for saving the cost, time, and still enjoy music with the best quality.



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Requirement Specification

I. Customer's Requirement Specifications

- Coming to PROTIFY
- Everybody can listen many kinds of music which the highest quality
- The theme very attract the client because they can use darkmode and lightmode with colorful such as: green, red, yellow, purple, pink, blue.

II. Functional Requirement Specifications

1. Function of User

REQ-01. Register.

- + Allow visitors to the homepage and force an account to be created, otherwise only visible on the home page and music cannot be heard

REQ-02. Login, Logout.

- + Allows customers to log into the site and exit the site

REQ-03. Listen to music.

- + Allows logged-in members to interact and listen to a variety of music on website

REQ-04. Playlist

- + Allow logged-in members to save their favorite songs as their own playlists and feel them

REQ-05. Search

- + Allow logged in members, enter the search box and find the music you want to search..

REQ-05. Artist

- + Shows members who have logged in information and albums of artists

REQ-06. Contact

- + Allow customers to contact support, support will help, record customer feedback.

REQ-08: Chart.

- + Show members who have logged in the list of top songs

REQ-09: Comment.

- + Allow logged members to comment on comments to everyone

REQ-10: Contact.

- + Allow logged-in members to contact support and report bugs



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2. Function of Admin

REQ-11: Login, Logout.

+ Allow administrators to login and logout from the website

REQ-12: Listen to music.

+ Allows administrators to listen to music in the website

REQ-13: Catalog management.

+ Update, edit and delete albums, songs, artist,...

+ Manage your favorites and web listeners

REQ-14: Manage member.

+ Manage member information logged on the website

+ Control members' comments

REQ-15: Contact.

+ Receive contact information, suggestions and error messages from members sent

III. System Requirement Specifications for Server

1. Hardware requirement

Processor 1 GHz or faster

Display of 800x600 resolution or better

512 MB RAM or better

2. Software requirement

Windows 7 or higher

NetBean 8.2

PHP 7.0 or above - MySQL.

IE (8.0 or above) / Google Chrome/Mozilla Firefox browsers

3. Sever side Softwear requirements

WAMP Server

IIS 5.0 websever or later

IV. System Requirement Specifications for Client

1. Hardware requirement:

Processor 1 GHz or faster

Responsive website can be display on all of resolution.

512 MB RAM or better

Internet required

2. Software requirement:

Windows 7 or higher

NetBean 8.2

PHP 7.0 or above - MySQL.

IE (8.0 or above) / Google Chrome/Mozilla Firefox browsers

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Task Sheet Review 1

| No. | Description | Begin Date | Teammate Name | Notes |
|-----|---------------------------|---------------------------|-------------------|-------|
| 1 | Acknowledgement | May 22 th 2020 | Lương Trúc Quỳnh | Done |
| 2 | Problem Defination | | Hoàng Minh Tâm | Done |
| 3 | Requirement Specification | | Ngô Thị Đoan Dung | Done |
| 4 | Task Sheet Review | | Võ Minh Thư | Done |

| | |
|---------------------------------|----------------------------------|
| Date | |
| Signature of Instructor: | Signature of Team Leader: |
| Mrs. Le Mong Thuy | Ms. Ngo Thi Doan Dung |



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REVIEW 2



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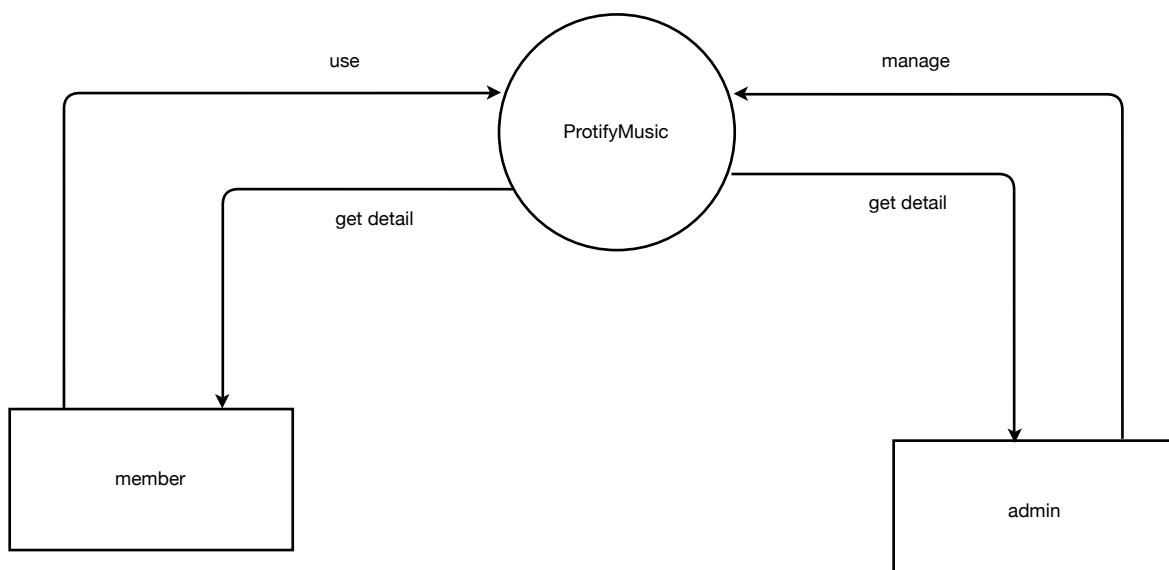
Data Flow Diagram



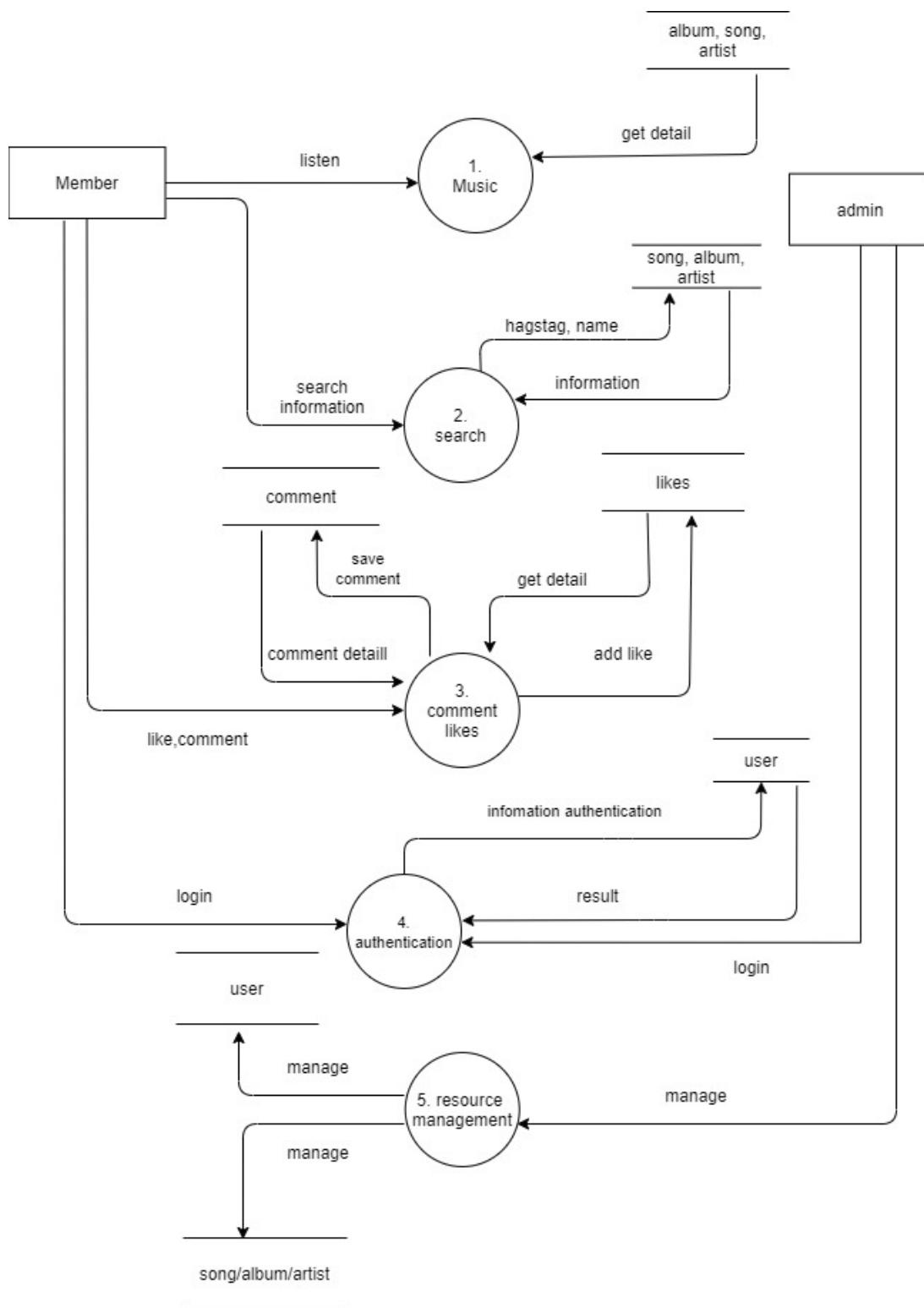
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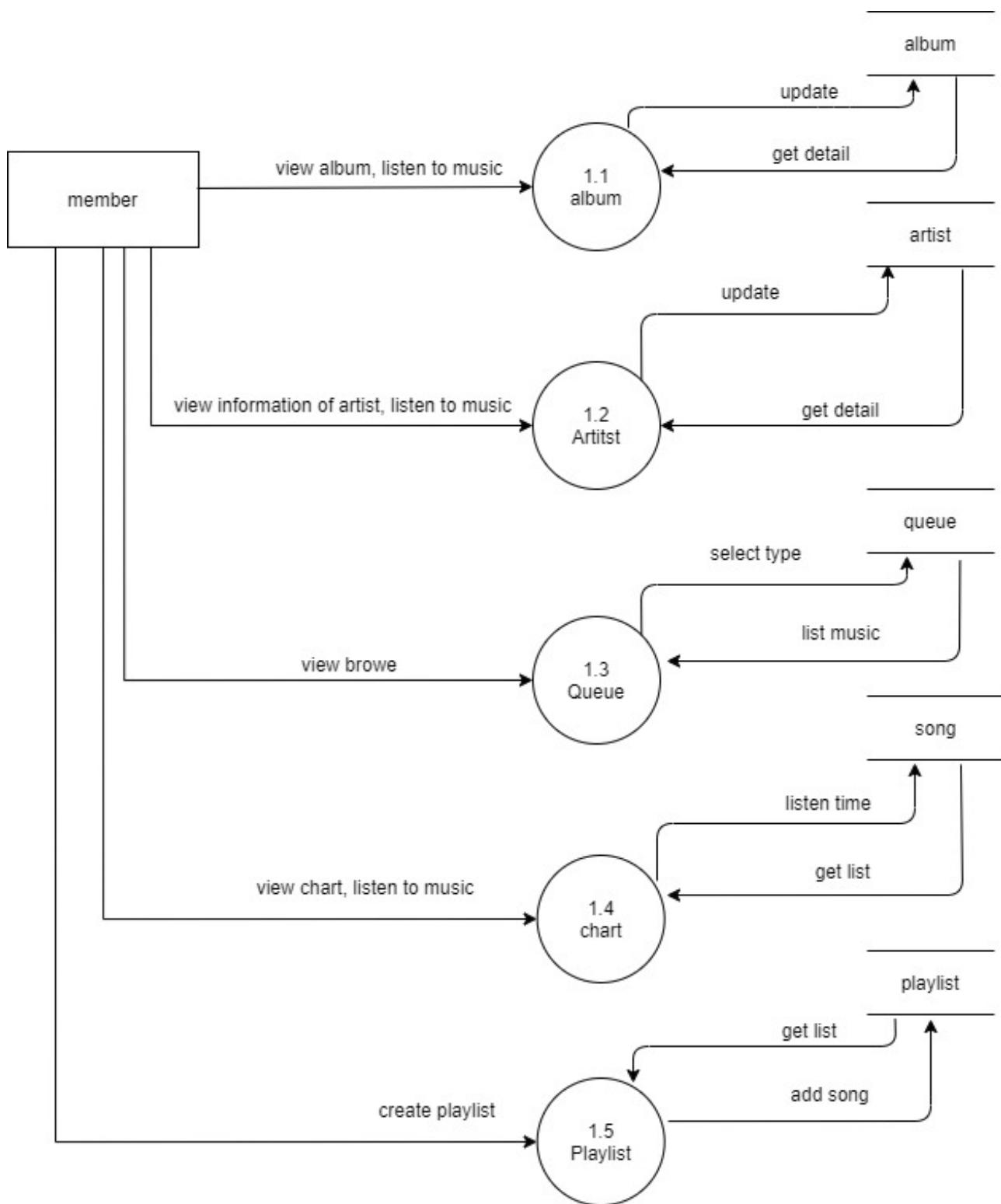
Context Level



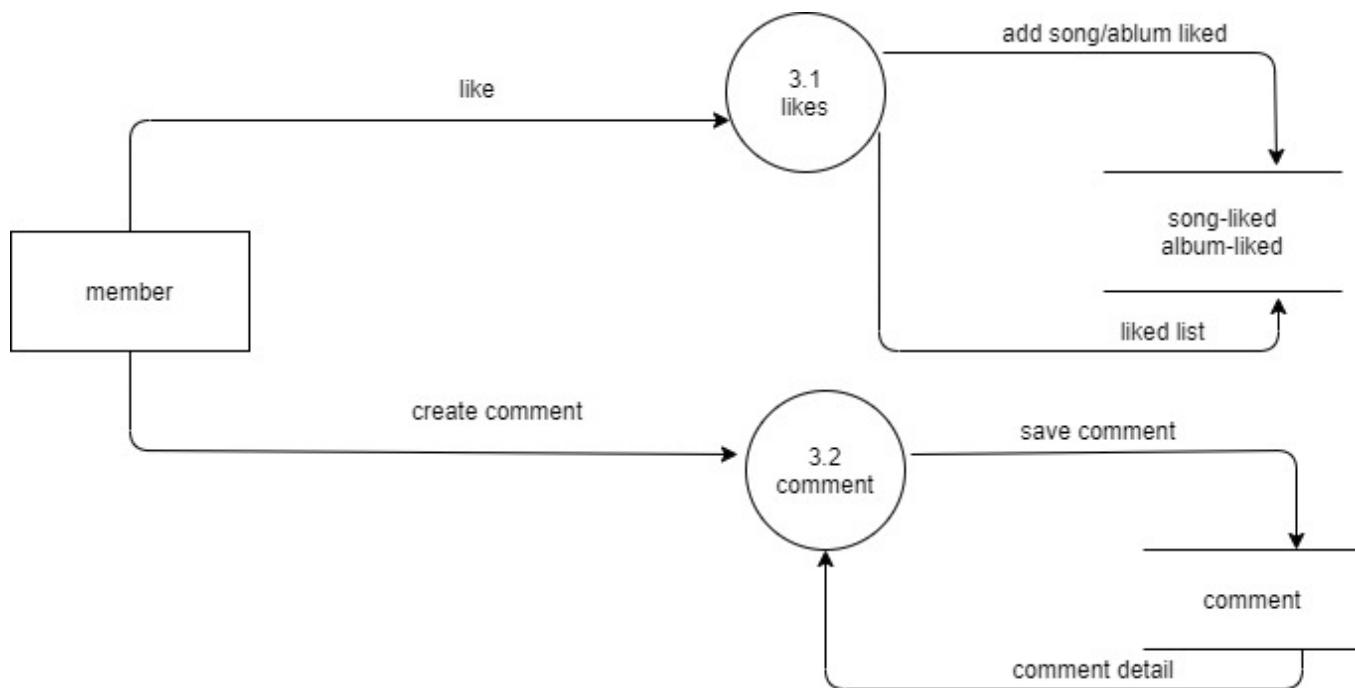
Level 0



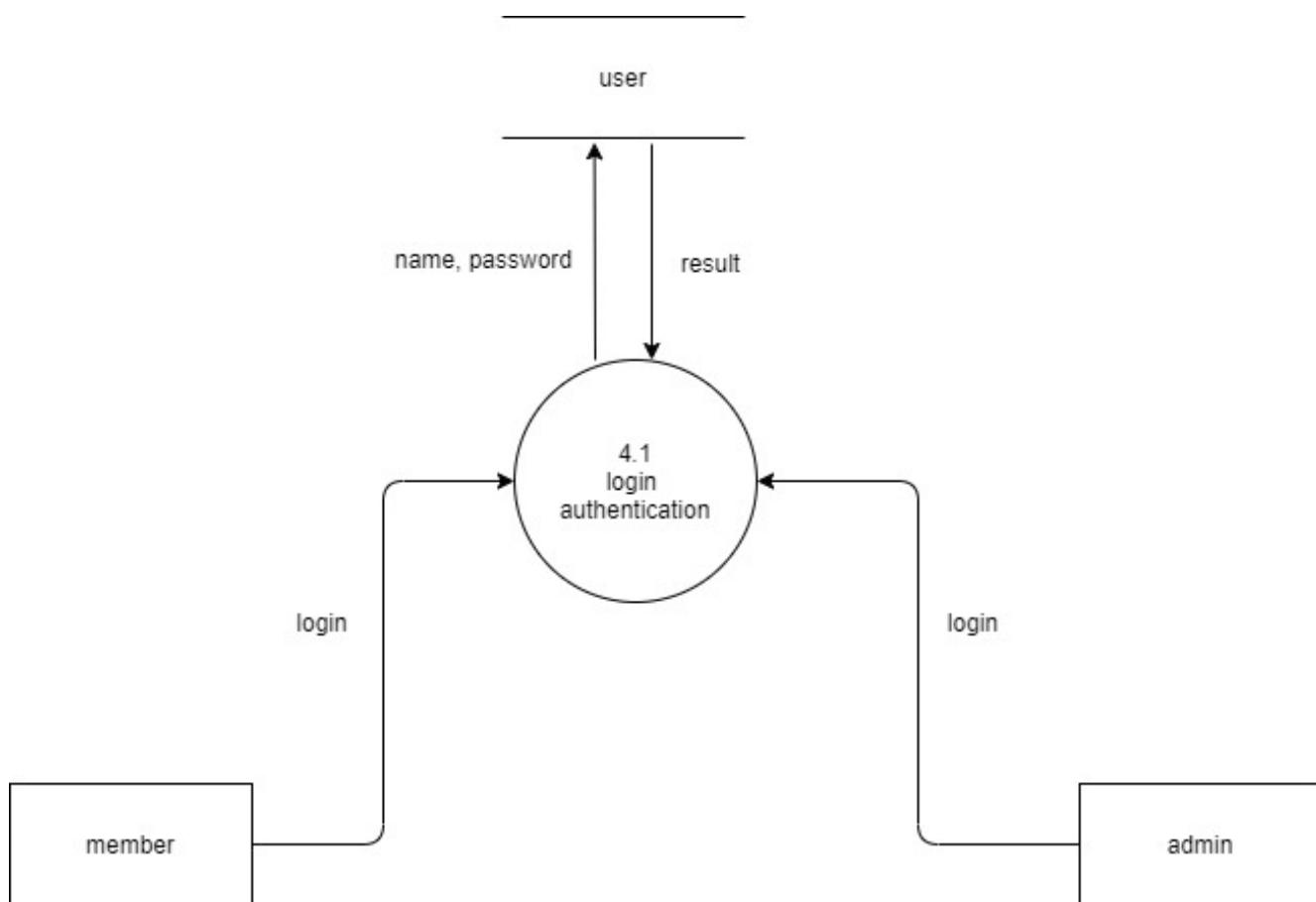
Level 1 Music



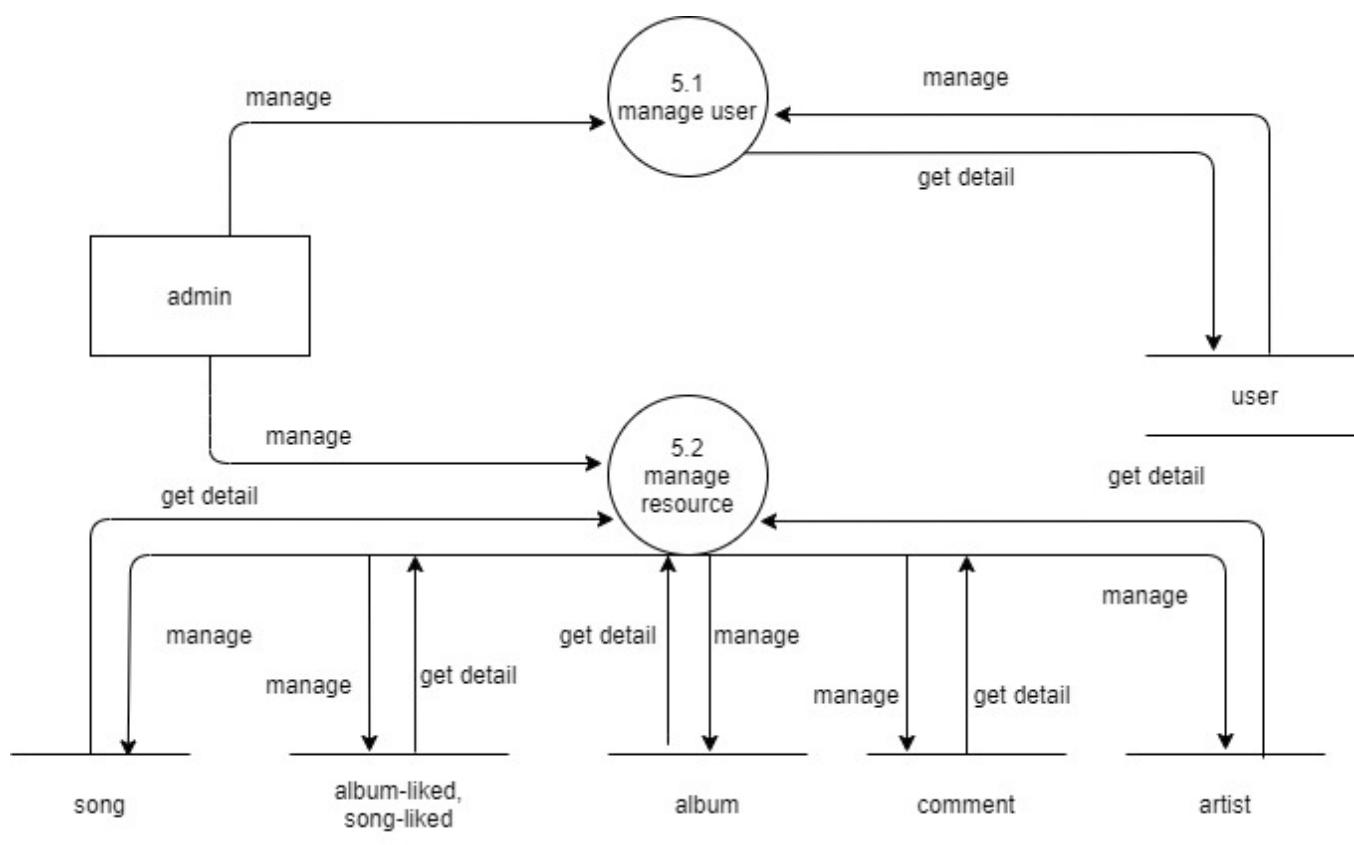
Level 1 Like Comment



Level 1 Authentication



Level 1 Resource Management

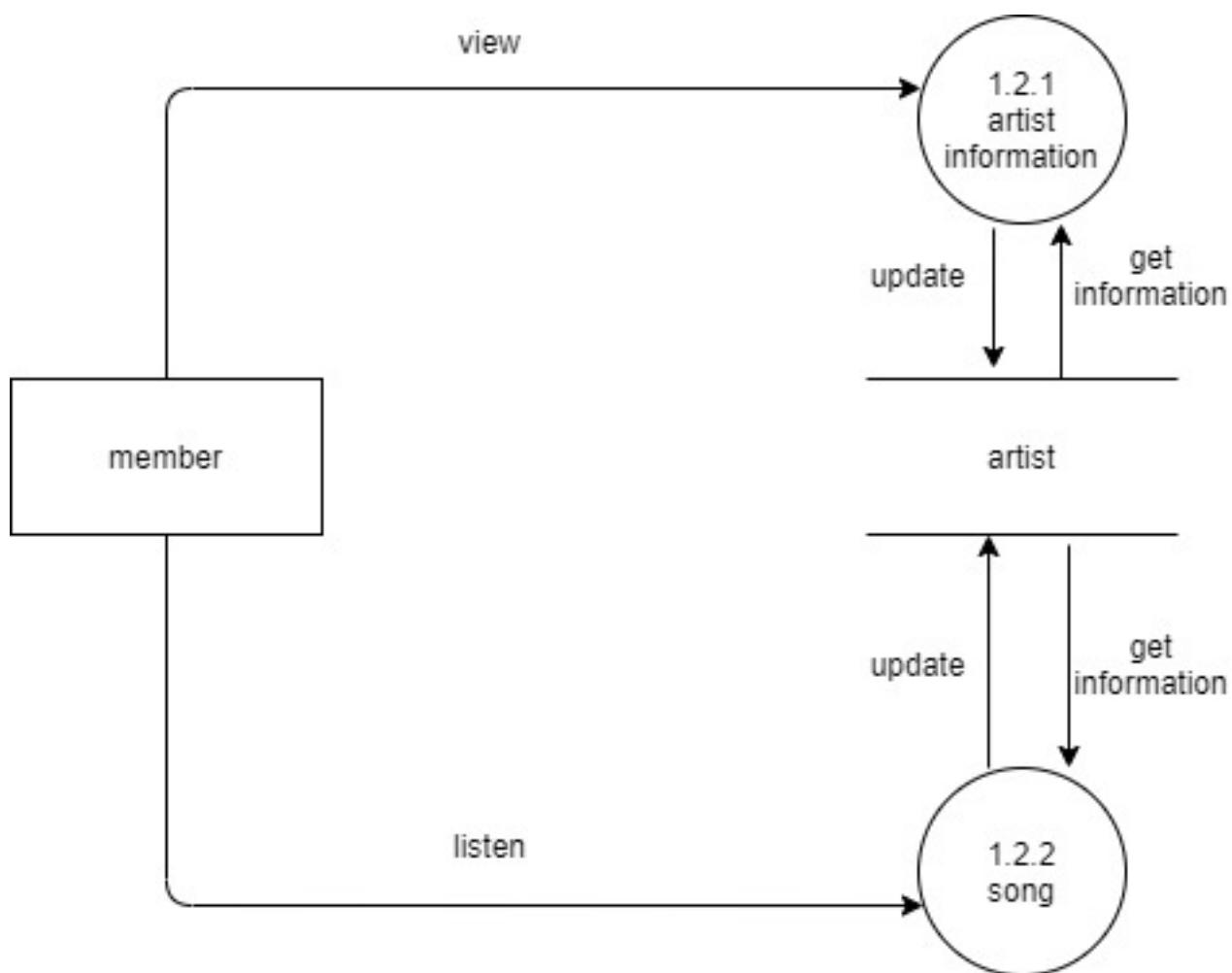




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Level 2 Artist





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Entities & Entity Relationship Diagram

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I. Entities

User

Track

Artist

Album

Album-Track

Artist-Track

Playlist

Playlist-Track

Queue-Track

Track-Liked

Album-Liked

Playlist-Liked

Artist-Type

Album-Type

Type

Comment

Reply

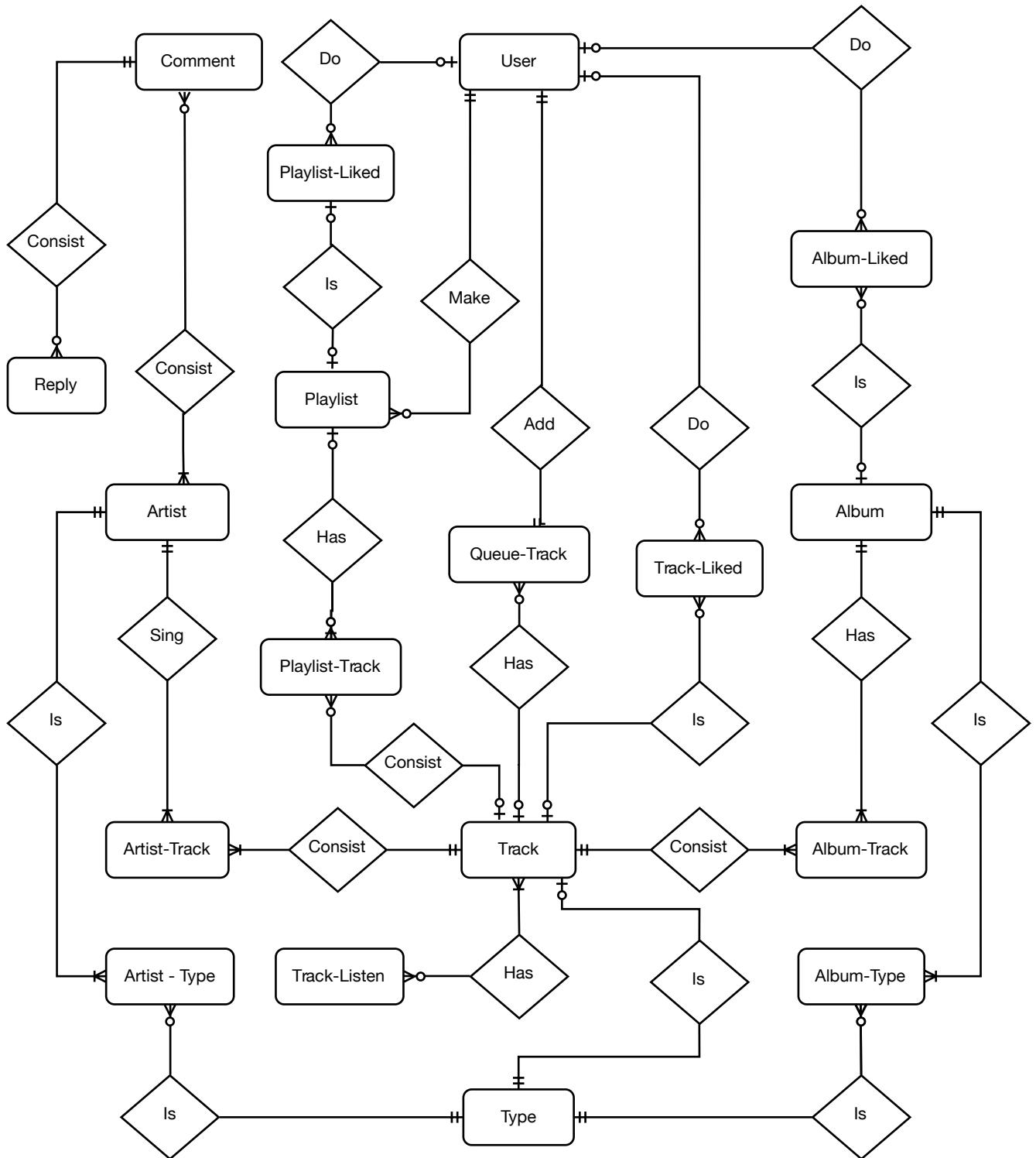
Track-Listen



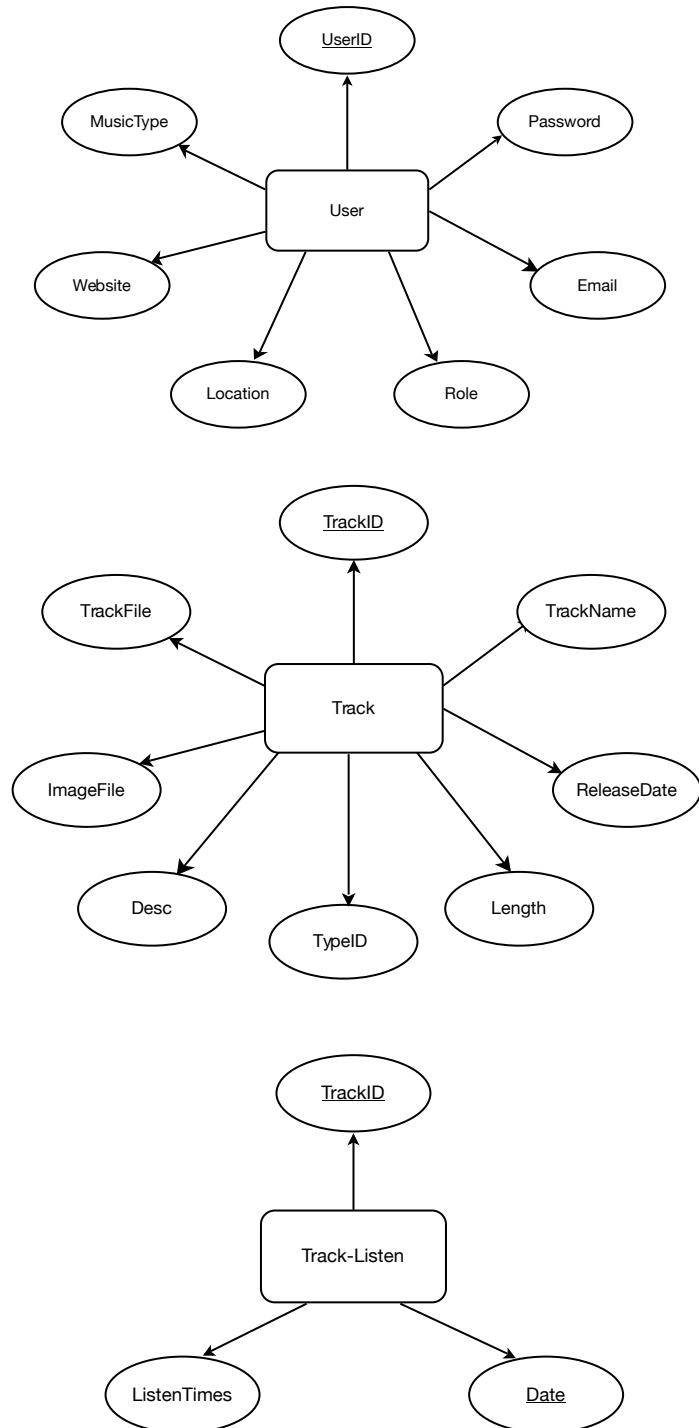
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II. Entity Relationship Diagram



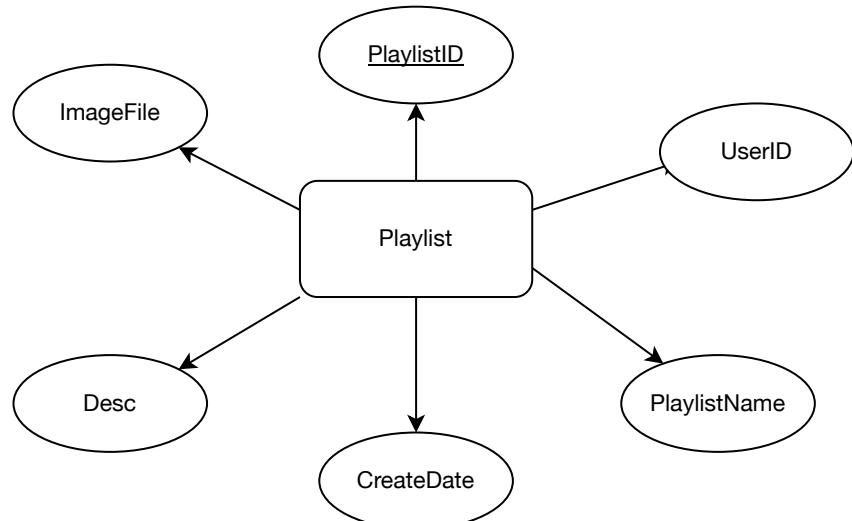
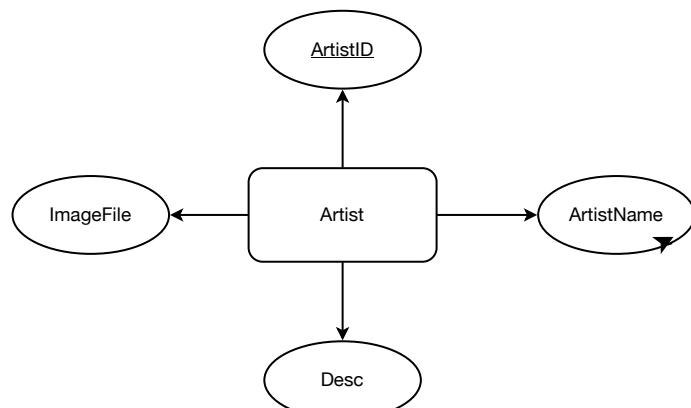
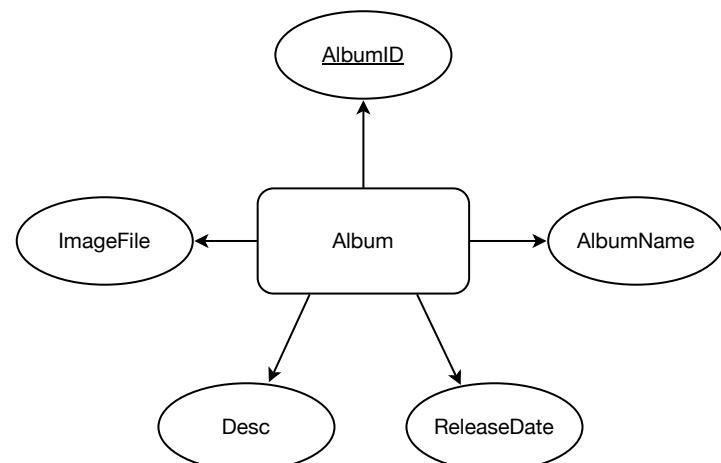
III. Property





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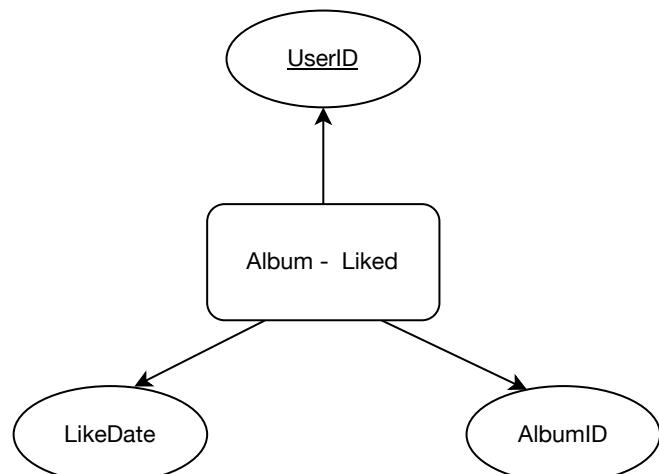
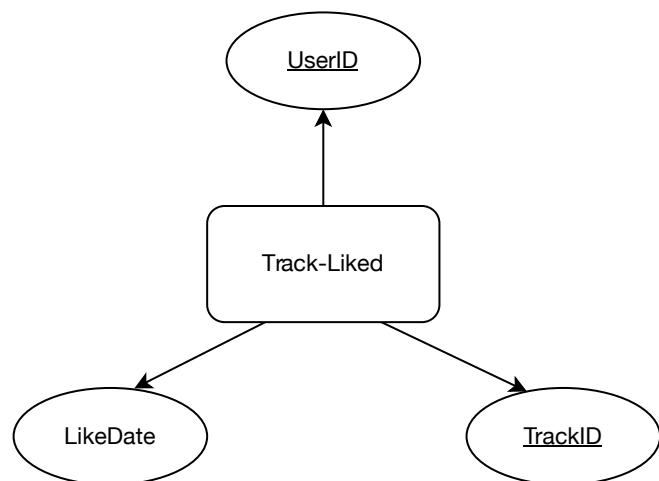
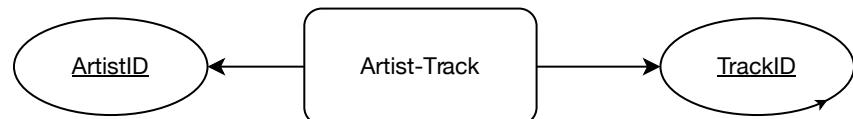
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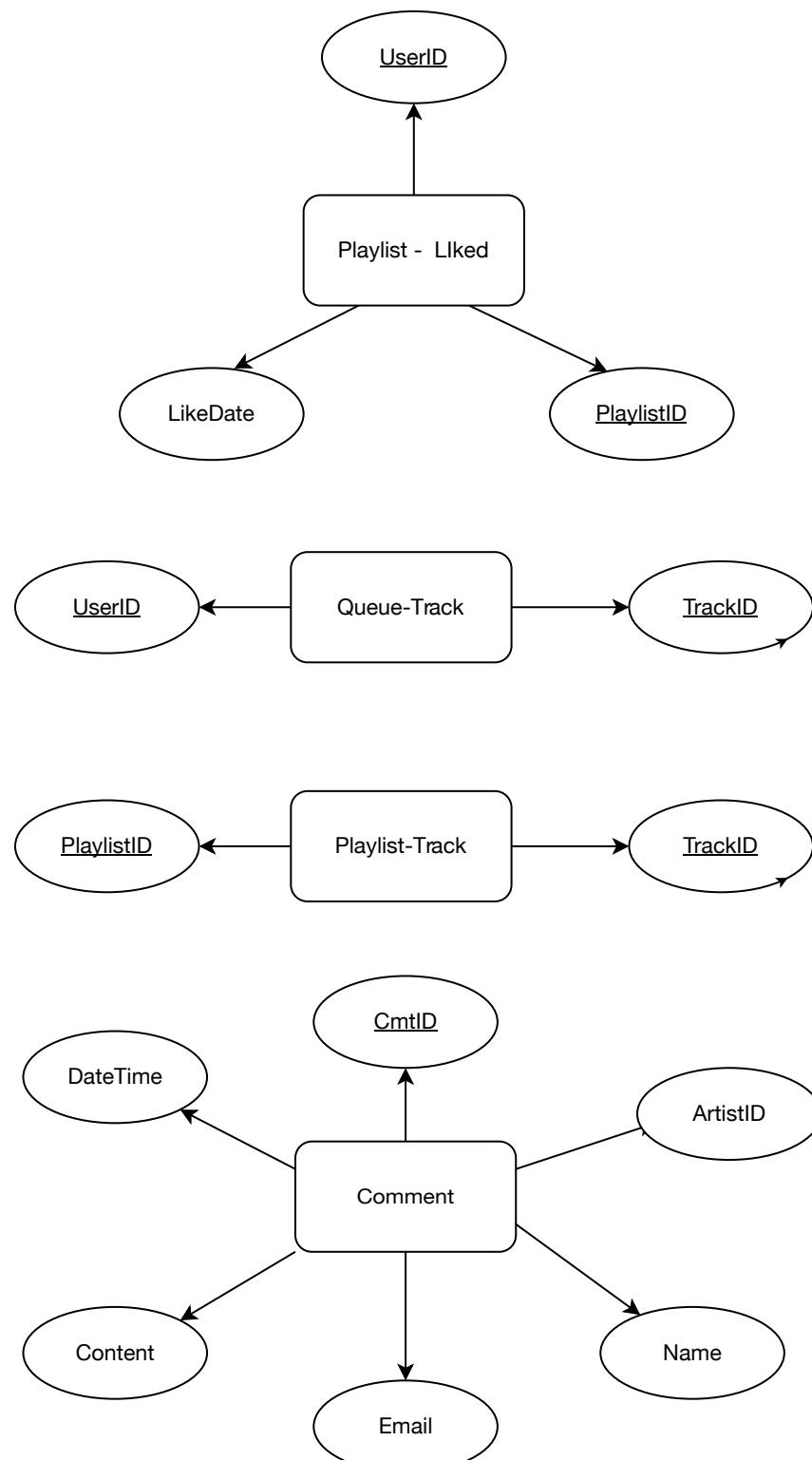
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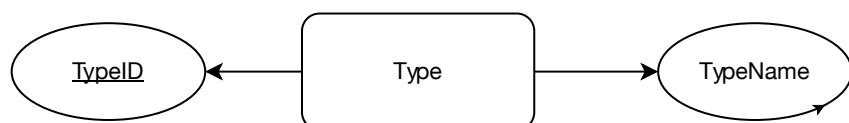
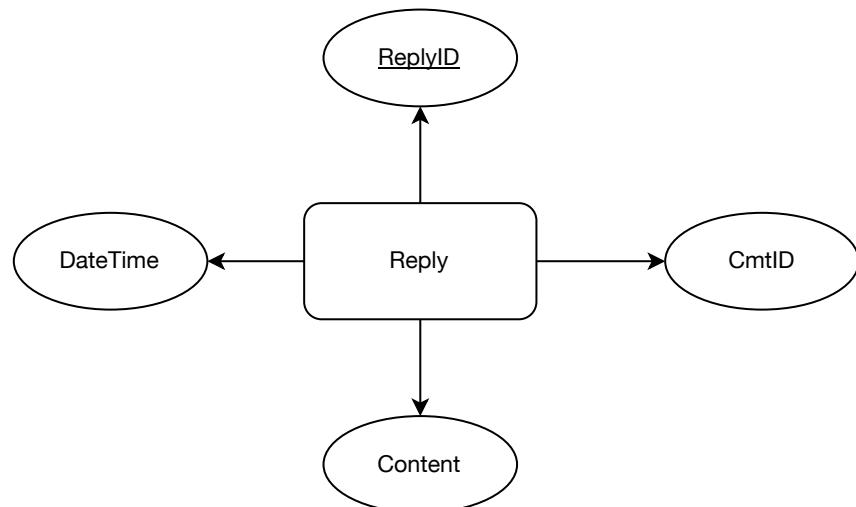
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IV. Table Design

1. Table: tb_User

| Collum Name | Data Type | Null | Key | Constraint | Note |
|-------------|--------------|------|-------------|------------|---------------------|
| UserID | Varchar(30) | No | Primary Key | At least 3 | |
| Password | Varchar(30) | No | | At least 5 | |
| Email | Varchar(40) | No | | | |
| Role | Boolean | No | | | 0=Member ; 1= Admin |
| Location | Varchar(100) | | | | |
| Website | Varchar(100) | | | | |
| MusicType | Varchar(30) | | | | |

2. Table: tb_Track

| Collum Name | Data Type | Null | Key | Constraint | Note |
|-------------|--------------|------|-------------|------------|----------------|
| TrackID | Int (10) | No | Primary Key | Identity | |
| TrackName | Varchar(30) | No | | | |
| ReleaseDate | Date | No | | | |
| Length | Time | No | | | Length of Song |
| TypeID | Int (10) | No | Foreign Key | | |
| Desc | Varchar(100) | No | | | |
| ImageFile | Varchar(100) | | | | |
| TrackFile | Varchar(100) | No | | | |

3. Table: tb_Track_Listen

| Collum Name | Data Type | Null | Key | Constraint | Note |
|-------------|-----------|------|-------------|-------------|---------------------|
| TrackID | Int (10) | No | Foreign Key | Primary Key | |
| Date | Date | No | | | Default=CurrentDate |
| ListenTimes | Int(10) | | | | Default=0 |



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4. Table: tb_Album

| Collum Name | Data Type | Null | Key | Constraint | Note |
|-------------|--------------|------|-------------|------------|------|
| AlbumID | Int (10) | No | Primary Key | Identity | |
| AlbumName | Varchar(30) | No | | | |
| ReleaseDate | Date | No | | | |
| Desc | Varchar(255) | | | | |
| ImageFile | Varchar(100) | No | | | |

5. Table: tb_Artist

| Collum Name | Data Type | Null | Key | Constraint | Note |
|-------------|--------------|------|-------------|------------|------|
| ArtistID | Int (10) | No | Primary Key | Identity | |
| ArtistName | Varchar(30) | No | | | |
| Desc | Varchar(255) | | | | |
| ImageFile | Varchar(100) | No | | | |

6. Table: tb_Artist_Album

| Collum Name | Data Type | Null | Key | Constraint | Note |
|-------------|-----------|------|-------------|-------------|------|
| ArtistID | Int (10) | No | Foreign Key | Primary Key | |
| AlbumID | Int (10) | No | Foreign Key | | |

7. Table: tb_Playlist

| Collum Name | Data Type | Null | Key | Constraint | Note |
|--------------|--------------|------|-------------|------------|------------------------|
| PlaylistID | Int (10) | No | Primary Key | Identity | |
| UserID | Varchar(30) | No | Foreign Key | | |
| PlaylistName | Varchar(30) | No | | | |
| CreateDate | Date | No | | | Default = Current Date |
| Desc | Varchar(255) | | | | |
| ImageFile | Varchar(100) | No | | | |



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8. Table: tb_Artist_Track

| Collum Name | Data Type | Null | Key | Constraint | Note |
|-------------|-----------|------|-------------|------------|------|
| ArtistID | Int (10) | No | Foreign Key | Primay Key | |
| TrackID | Int (10) | No | Foreign Key | | |

9. Table: tb_Album_Track

| Collum Name | Data Type | Null | Key | Constraint | Note |
|-------------|-----------|------|-------------|------------|------|
| AlbumID | Int (10) | No | Foreign Key | Primay Key | |
| TrackID | Int (10) | No | Foreign Key | | |

10. Table: tb_Track_Liked

| Collum Name | Data Type | Null | Key | Constraint | Note |
|-------------|-------------|------|-------------|------------|------------------------|
| UserID | Varchar(30) | No | Foreign Key | Primay Key | |
| TrackID | Int (10) | No | Foreign Key | | |
| LikeDate | Date | No | | | Deafult = Current Date |

11. Table: tb_Album_Liked

| Collum Name | Data Type | Null | Key | Constraint | Note |
|-------------|-------------|------|-------------|------------|------------------------|
| UserID | Varchar(30) | No | Foreign Key | Primay Key | |
| AlbumID | Int (10) | No | Foreign Key | | |
| LikeDate | Date | No | | | Deafult = Current Date |

12. Table: tb_Playlist_Liked

| Collum Name | Data Type | Null | Key | Constraint | Note |
|-------------|-------------|------|-------------|------------|------------------------|
| UserID | Varchar(30) | No | Foreign Key | Primay Key | |
| PlaylistID | Int (10) | No | Foreign Key | | |
| LikeDate | Date | No | | | Deafult = Current Date |



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13. Table: tb_Queue_Track

| Collum Name | Data Type | Null | Key | Constraint | Note |
|-------------|-----------|------|-------------|------------|------|
| UserID | Int (10) | No | Primary Key | | |
| TrackID | Int (10) | No | Foreign Key | | |

14. Table: tb_Playlist_Track

| Collum Name | Data Type | Null | Key | Constraint | Note |
|-------------|-----------|------|-------------|-------------|------|
| PlaylistID | Int (10) | No | Foreign Key | Primary Key | |
| TrackID | Int (10) | No | Foreign Key | | |

15. Table: tb_Comment

| Collum Name | Data Type | Null | Key | Constraint | Note |
|-------------|--------------|------|-------------|------------|-------------------|
| CmtID | Int (10) | No | Primary Key | Identity | |
| ArtistID | Int (10) | No | Foreign Key | | |
| Name | Varchar(50) | No | | | |
| Email | Varchar(50) | No | | | |
| Content | Varchar(255) | No | | | |
| DateTime | Date | No | | | Default = Current |

16. Table: tb_Reply

| Collum Name | Data Type | Null | Key | Constraint | Note |
|-------------|-------------|------|-------------|------------|-------------------|
| ReplyID | Int (10) | No | Primary Key | Identity | |
| CmtID | Int (10) | No | Foreign Key | | |
| Content | Varchar(30) | No | | | |
| DateTime | Date | No | | | Default = Current |



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17. Table: tb_Type

| Collum Name | Data Type | Null | Key | Constraint | Note |
|-------------|-------------|------|-------------|------------|------|
| TypeID | Int (10) | No | Primary Key | Identity | |
| TypeName | Varchar(30) | No | | | |

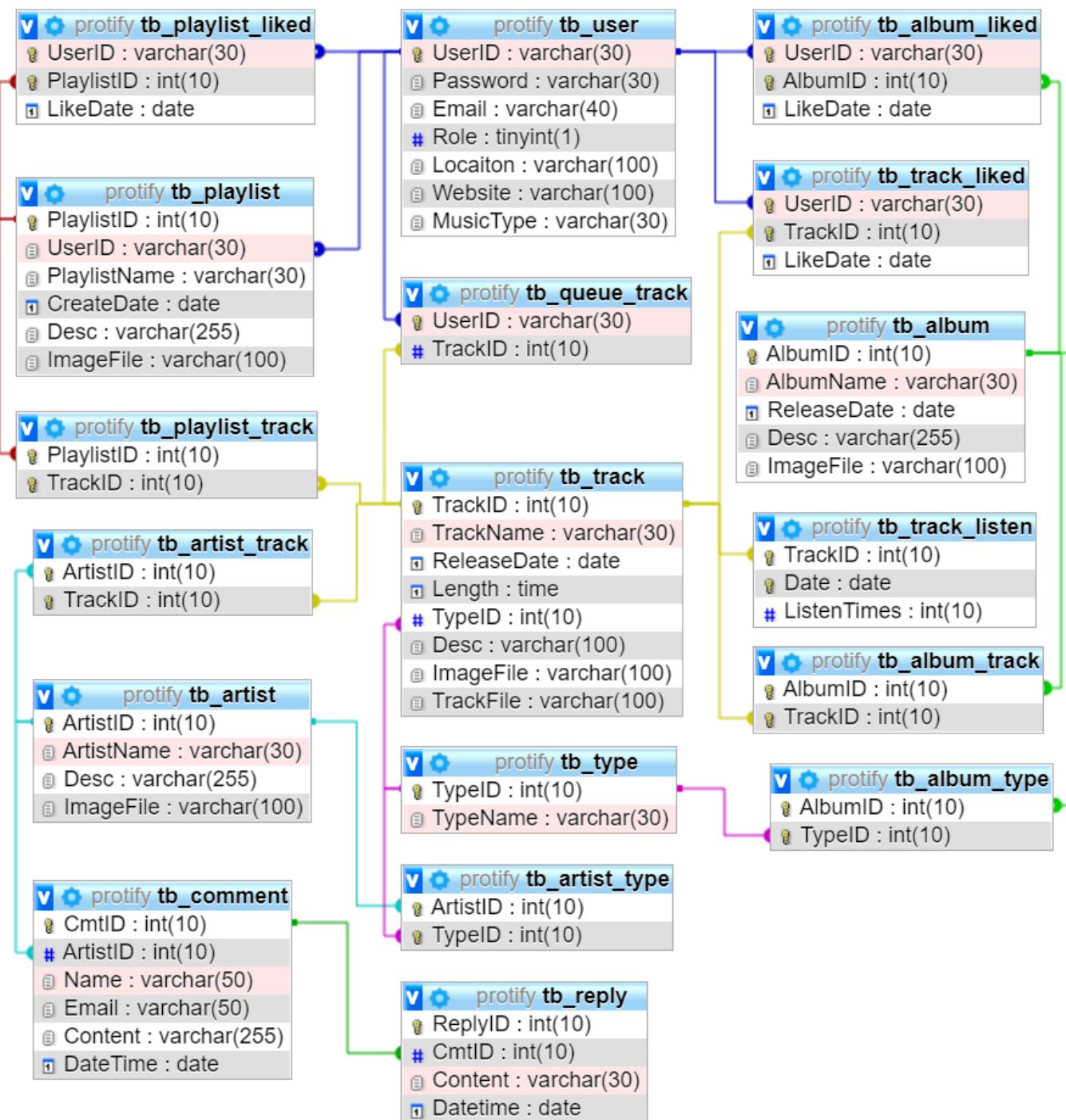
18. tb_Artist_Type

| Collum Name | Data Type | Null | Key | Constraint | Note |
|-------------|-----------|------|-------------|------------|------|
| ArtistID | Int (10) | No | Foreign Key | PK | |
| TypeID | Int (10) | No | Foreign Key | | |

19. tb_Album_Type

| Collum Name | Data Type | Null | Key | Constraint | Note |
|-------------|-----------|------|-------------|------------|------|
| AlbumID | Int (10) | No | Foreign Key | PK | |
| TypeID | Int (10) | No | Foreign Key | | |

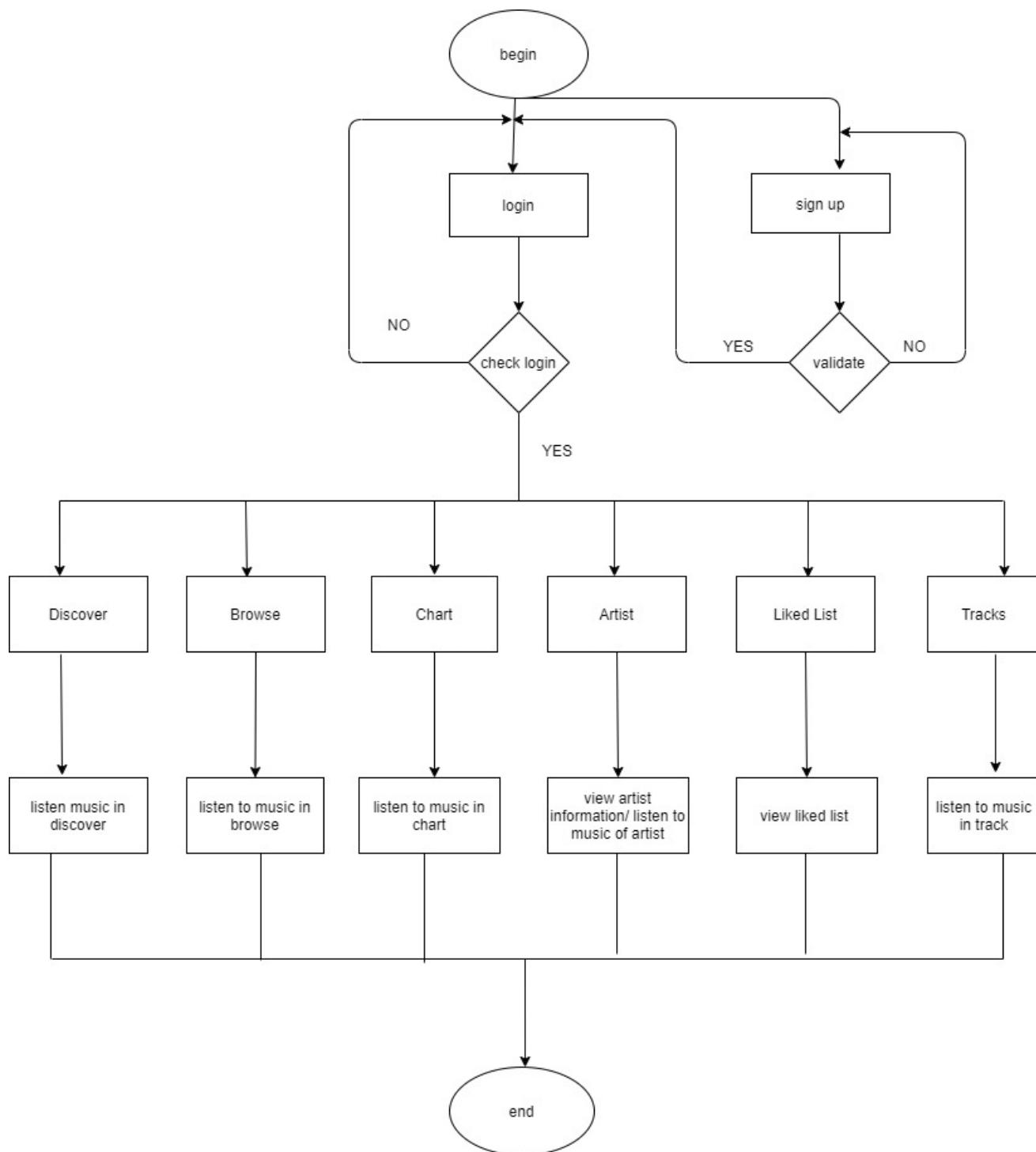
V. Relationship Diagram



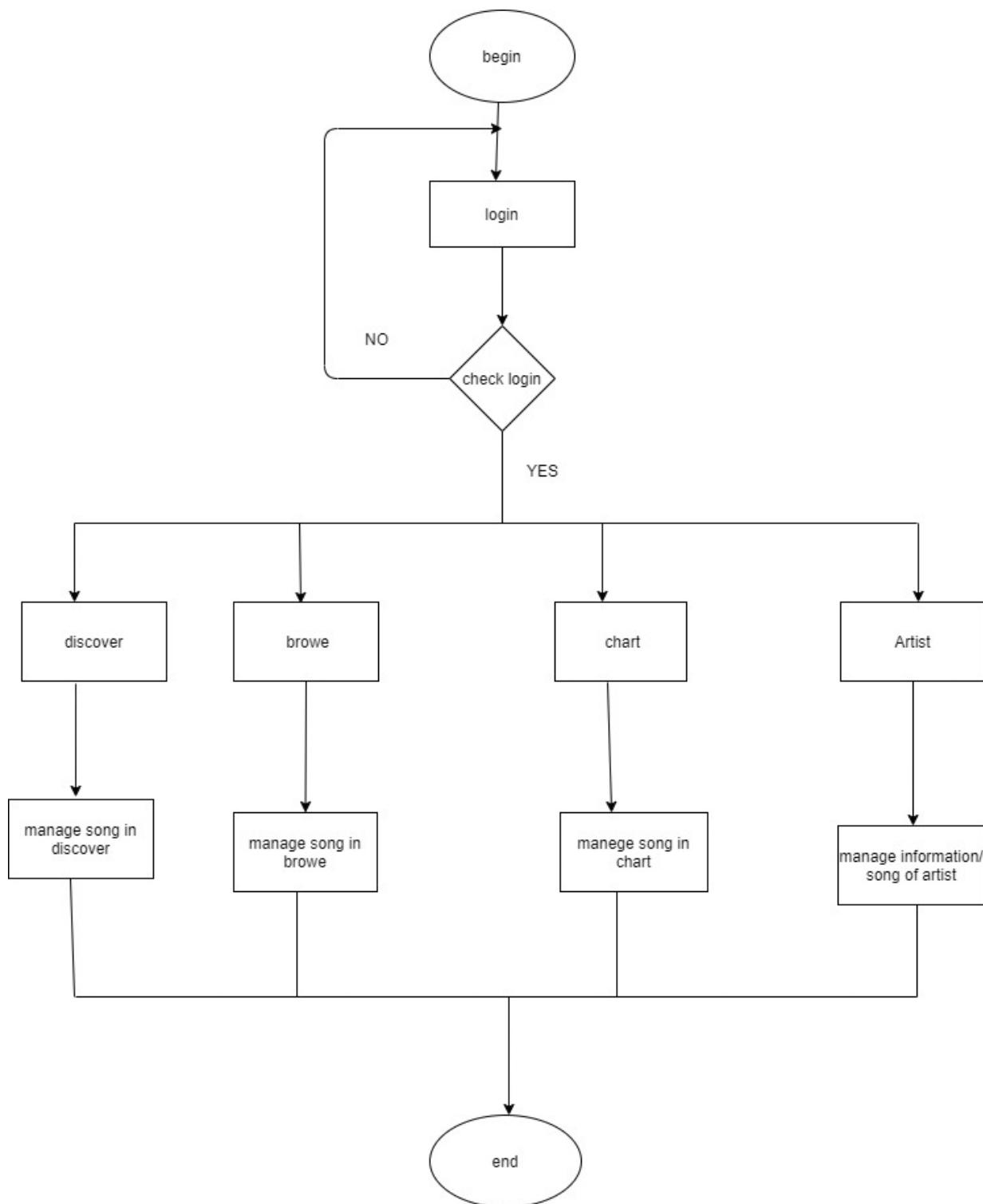
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Function Diagram

I. Function Diagram Of Member



II. Function Diagram Of Admin





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Site Map



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I. SiteMap - The Members Website

Home page:

- Allow access to the site and register an account to log in to the site, otherwise it is only displayed on the introduction page
- Display web-related categories: About Us, Login/Signup, Site, WebApp, RTL, Contact, Site Map, FAQs.

Site:

- Where the website will be display like the normal website

WebApp:

- Where the website will be display like the app on the mobile device

RTL (Right To Left):

- Where the website can be display with several other languages in different countries, including Arabic, Urdu, Hebrew, Persian, and a few others, are written right to left.

Login/Signup:

- Allow customers to login and logout from the website when registered members

Search:

- Allow members to enter and search songs, artist names, genres, albums, tracks

Artist:

- For the details of the artist
- For detailed information about the artist's tracks

Browse:

- The index of tracks on the website. Where the user can search tracks by music type

Chart:

- Displays the most listened song all of day,month,week,.

Discover:

- The interface displays and constantly updates the trends for the site. New songs, new albums, new tracks, new trends,...

Playlist:

- Show details and all songs in the playlist

Like:

- Members are allowed to save the favorite song into liked catalogue

Profile:

- Display and allow members to edit names, captions, .. in their profile

FAQs:

- A list of questions and answers relating to a particular subject, especially one giving basic information for users of a website.

FAQs:

- A list of pages of a web site. This page will help the user be easier to user our website.

Contact:

- Allow members to contact, comment bugs to the support

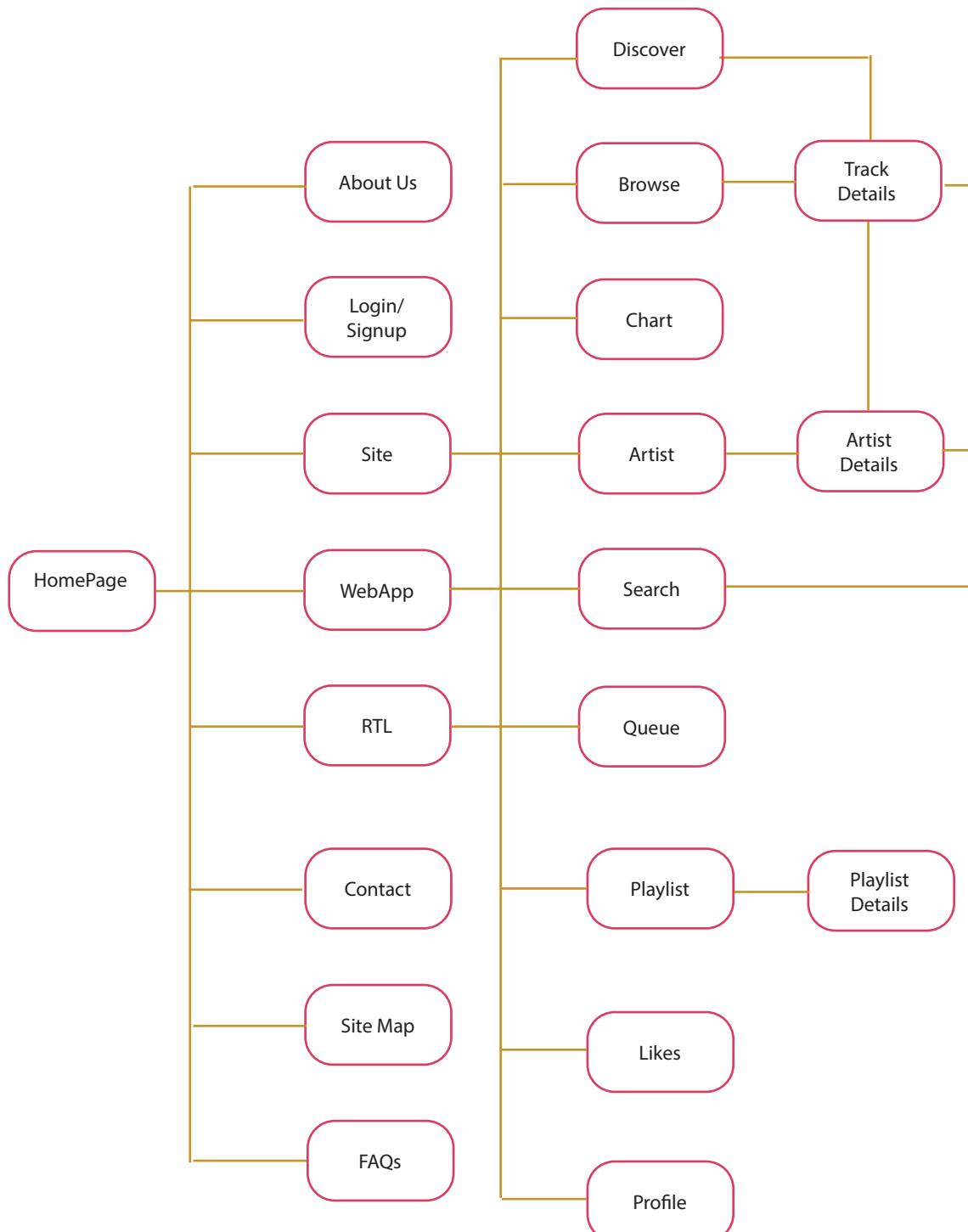
About Us:

- Is a special website on the website where members can better understand About page



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II. SiteMap - The Admin's Website

Home page:

- Allow access to the site and manage the website
- Display web-related categories: About Us, Login/Signup, Site, WebApp, RTL, Contact, Site Map, FAQs.

Site:

- Where the website will be display like the normal website

WebApp:

- Where the website will be display like the app on the mobile device

RTL (Right To Left):

- Where the website can be display with several other languages in different countries, including Arabic, Urdu, Hebrew, Persian, and a few others, are written right to left.

Login/Signup:

- Allow logging in to manage and log out of the website

Search:

- Allow members to enter and search songs, artist names, genres, albums, tracks

Artist:

- Manage the details of the artist, allowed to add, delete, edit the information

Browse:

- The index of tracks on the website. Where the user can search tracks by music type

Chart:

- Manage the most listened song all of day, month, week,..

Discover:

- The interface displays and constantly updates the trends for the site. New songs, new albums, new tracks, new trends,...
- Manage which will be display on this site.

Playlist:

- Show details and all songs in the playlist

Like:

- Manage liked song to make the top liked tracks ranking board

Profile:

- Manage all members who are logged in on the web and all member information.

FAQs:

- A list of questions and answers relating to a particular subject, especially one giving basic information for users of a website.

FAQs:

- A list of pages of a web site. This page will help the user be easier to user our website.

Contact:

- Allow members to contact, comment bugs to the support

About Us:

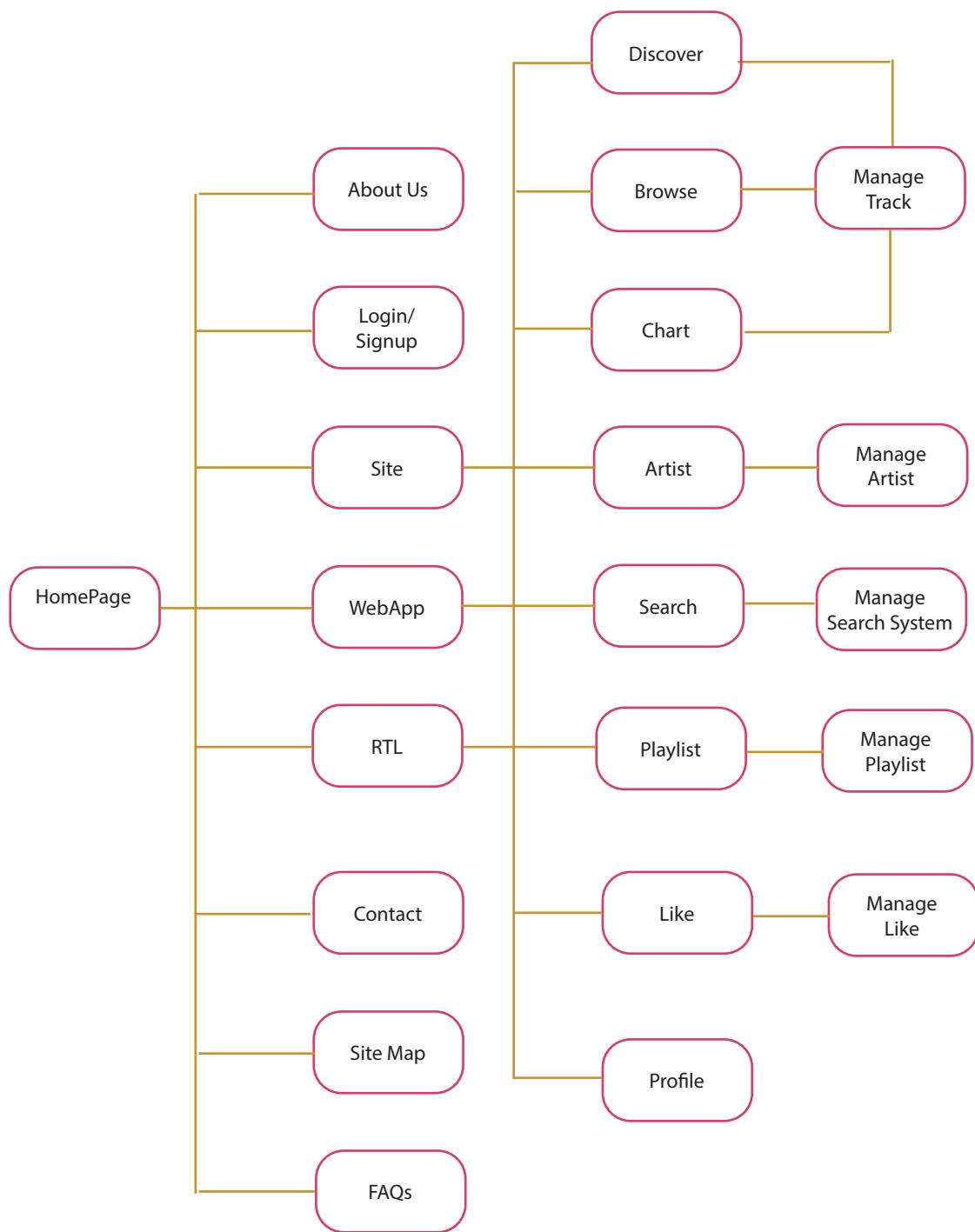
- Is a special website on the website where members can better understand About page



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Task Sheet Review 2

| No. | Description | Begin Date | Teammate Name | Notes |
|-----|-------------------------------------|---------------------------|-------------------|-------|
| 1 | Data Flow Diagram | May 22 th 2020 | Lương Trúc Quỳnh | Done |
| 2 | Entity Relationship Diagram | | Hoàng Minh Tâm | Done |
| 3 | Table Design & Relationship Diagram | | Ngô Thị Đoan Dung | Done |
| 4 | Task Sheet Review | | Võ Minh Thư | Done |

| | |
|---------------------------------|----------------------------------|
| Date | |
| Signature of Instructor: | Signature of Team Leader: |
| Mrs. Le Mong Thuy | Ms. Ngo Thi Doan Dung |



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REVIEW 3



protify.com.vn



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User Interface

I. Home Page

1. Overview

Welcome to our web, this is a first stage for users to visit website address. After creating account and becoming website's member, the users can use everything from my website including: listening to music, editing the theme of the website, gaining more knowledge about artists,...

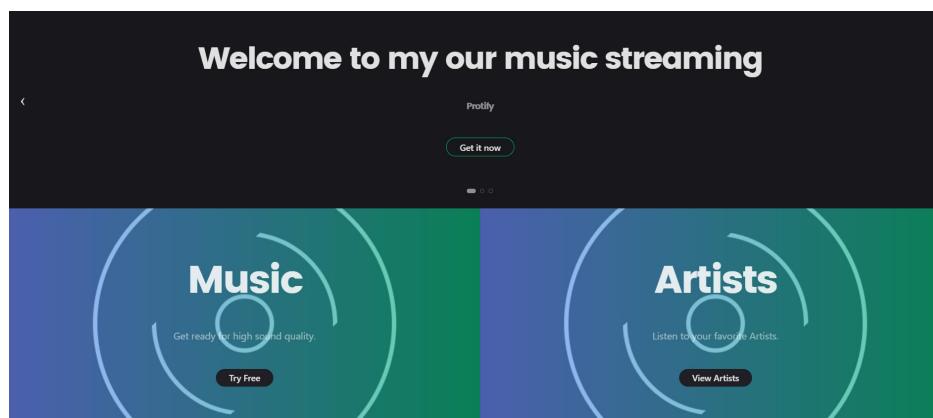
Our website has two buttons:

- Register an account
- Sign in

2. Index

After sign in, the website is opened, including 3 choices for you:

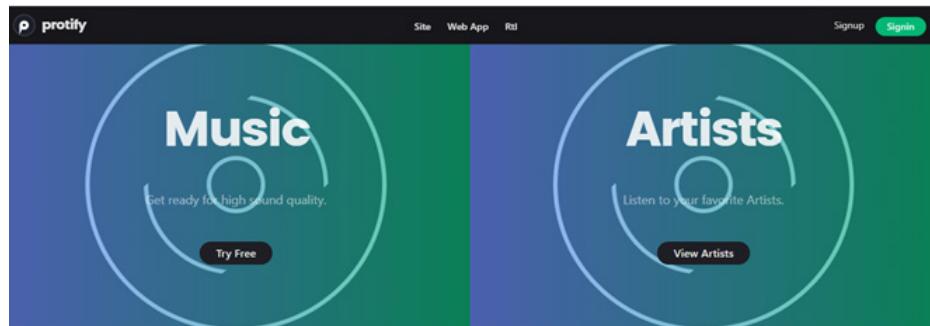
- Site: For who want using the display interface of the website
 - Web app: For who are interested in using the compact interface
 - RTL: For those who has inclination to use the interface to the right
- And also the Log out button
- The final part is the information of the website, it's might be necessary for the users



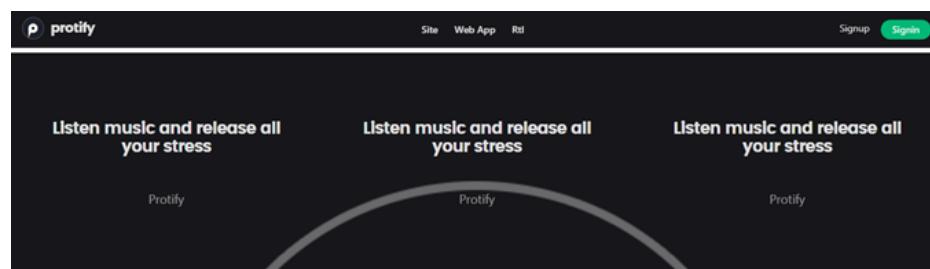
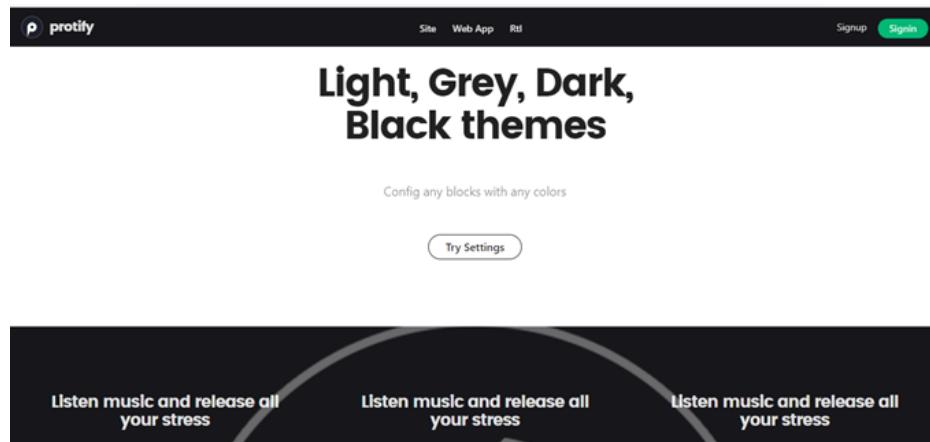


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**Light, Grey, Dark,
Black themes**



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3. Functionality

-Sign up an account

Including: website logo

There are 3 fields to input data: Fullname, Email, and Password.

And the button goes to Sign in page

-Sign in

Including: website logo

There are 2 input boxes: Email and Password

And the button goes to Sign up page

A screenshot of the sign-in page for protify. At the top is the Protify logo. Below it are two social login buttons: "Sign in with Facebook" (blue) and "Sign in with Google+" (red). Underneath these is the text "OR". Below "OR" are two input fields: "Email" and "password", separated by a vertical line. To the right of the "Email" field is a checkbox labeled "Keep me signed in". Below the input fields is a large black "Sign in" button. Underneath the "Sign in" button are links for "Forgot password?" and "Do not have an account? Sign up".A screenshot of the sign-up page for protify. It has a similar layout to the sign-in page, featuring social login buttons for Facebook and Google+. Below them is the text "OR". There are three input fields: "UserName", "Email", and "password", each with its own label. Below these fields is a small note: "By clicking Sign Up, I agree to the Terms of service and Policy Privacy." Underneath the input fields is a large black "Sign Up" button. At the bottom of the page is a link: "Already have an account? Sign in".



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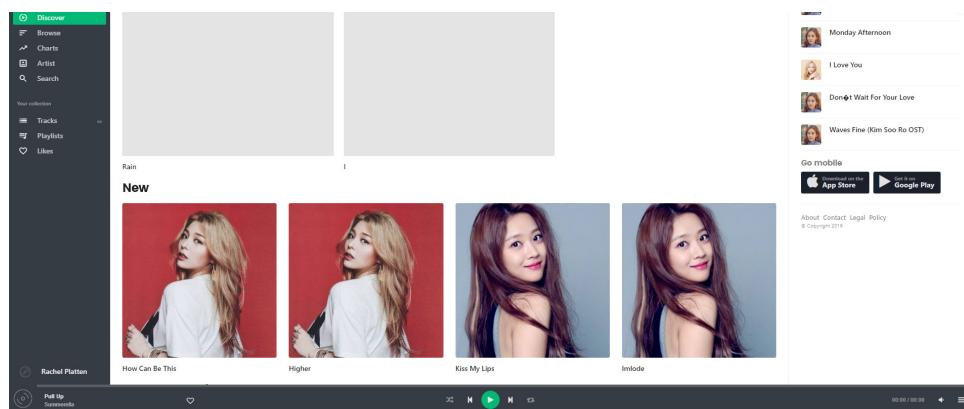
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II. Discover

1. Overview

This page shows songs, general album
Showing the trending songs, new songs, and the songs from the website introduces for you.

2. Screenshot





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III. Browse Page

Display songs and let you search for songs by genre: Pop, Dance, Remix, ..

Browse Pop

| Song Title | Artist |
|--------------|---------|
| I | Taeyeon |
| Rain | Taeyeon |
| 1111 | Taeyeon |
| All With You | Taeyeon |
| AndOne | Taeyeon |
| Angel | Taeyeon |
| Blue | Taeyeon |
| Fine | Taeyeon |

Top 5 Likes

| Song Title | Artist |
|--------------|---------|
| Rain | Taeyeon |
| All With You | Taeyeon |
| I | Taeyeon |
| I Love You | Taeyeon |
| Angel | Taeyeon |

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IV. Chart

The ranking of tracks , which is depend on the number of track's listening by user in 7 days, 30 days or 365 days

Charts Last week

| Rank | Song Title | Artist | Listening Count |
|------|---------------------------|---------------|-----------------|
| 1 | Happy ending | Pottijonen | > 880 ▾ 240 |
| 2 | Pull Up | Summerella | > 1200 ▾ 210 |
| 3 | The Open Road | Pottijonen | > 880 ▾ 240 |
| 4 | Fireworks | Kygo | > 30 ▾ 10 |
| 5 | I Wanna Be In the Cavalry | Jeremy Scott | > 300 ▾ 10 |
| 6 | Reflection (Deluxe) | Fifth Harmony | > 200 ▾ 10 |

5 Likes

| Song Title | Artist |
|-------------------------|----------------|
| Pull Up | Summerella |
| The Open Road | Pottijonen |
| Fireworks | Kygo |
| Spring | Pablo Nouvelle |
| What A Time To Be Alive | Judith Garcia |

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V. Artist

Show all artists, artist name and artist songs

Artists

- Taeyeon 100 songs
- Seohyun 125 songs
- Tiffany Young 22 songs
- IU 84 songs
- Chung Ha 32 songs
- Sunmi 9 songs
- Heize 3 songs
- HyunA 18 songs

Top 5 Likes

- I Love You Taeyeon
- Don't Wait For Your Love Suzy
- Waves Fine (Kim Soo Ro OST) Seohyun
- Downtown HyunA
- Monday Afternoon IU

Admin Control

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Artists

- Taeyeon 100 songs
- Seohyun 125 songs
- Tiffany Young 22 songs
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Top 5 Likes

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VI. Artist detail

Displays detailed information (name, age, location, industry, ..) of artists and songs, albums related to artists

This screenshot shows the Protify artist detail page for Taeyeon. The main content includes her profile picture, name (Taeyeon), birth date (March 9, 1989), and genre (K-pop/R&B). It lists 100 tracks and 100 albums. Below this are sections for Overview, Tracks, and Albums, showing various album covers and song snippets. A 'Top 5 Likes' sidebar lists songs like 'I Love You' and 'Don't Wait For Your Love'. Navigation links for mobile apps and legal information are at the bottom.

This screenshot shows the Protify artist detail page for Taeyeon, focusing on her popular tracks. It displays a list of top 6 tracks: Rain, All With You, Angel, AndOne, 1111, and I. Each track has a play button and a small image. The interface is identical to the previous screenshot, with a 'Popular' tab selected instead of 'Overview'.

This screenshot shows the Protify artist detail page for Taeyeon, focusing on her albums. It displays a grid of album covers: Voice(Mini album), Rain(Single), Like A Star, and Make Me Love You (Mini Album). Each album has a play button and a small image. The interface is identical to the previous screenshots, with a 'Albums' tab selected.

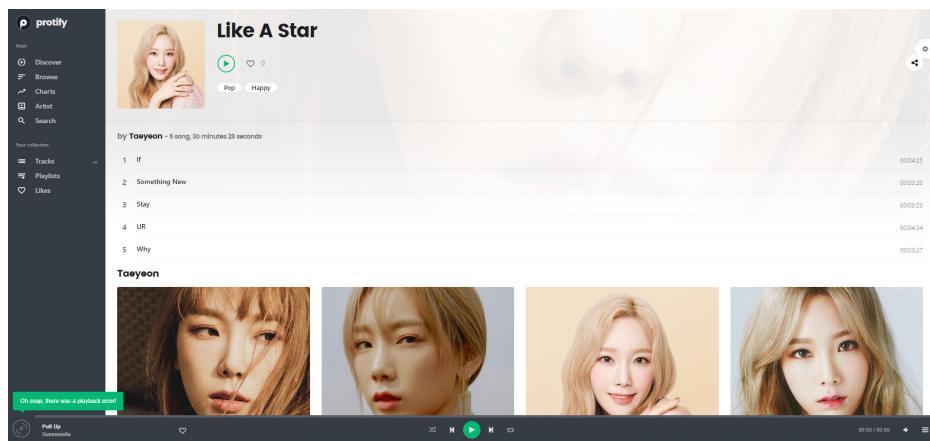


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VII. Album

Displays detailed information (name, age, location, industry, ..) of artists and songs, albums related to artists



VII. Search

For you, you can search for songs with one click, just type the song title, the album name, or the artist immediately search will give that song, album or artist for you





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The screenshot shows a music application interface. On the left is a sidebar with navigation options: Browse, Charts, Artist, Search, Your collection, Tracks, Playlists, and Likes. Below these are buttons for 'On repeat', 'Shuffle', and 'Play'. The main area is titled 'Tracks' and lists five songs by Taeyeon, each with a small profile picture: Rain, All With You, AndOne, Angel, and Four Seasons.

The screenshot shows a search results page. At the top is a search bar with the placeholder 'Type keyword' and a 'Search' button. Below it, a message says '81 Results found for: I'. The results are listed in two columns. The first column includes 'I' by Taeyeon, 'Rain' by Taeyeon, 'All With You' by Taeyeon, and 'Fine' by Taeyeon. The second column includes 'Tiffany Young' (22 songs), 'IU' (84 songs), 'Sunmi' (9 songs), and 'Heize' (3 songs). At the bottom, there is a footer with the text 'Hot searches: Pop Rock Jazz Blues R&B/Soul Hip hop Country Pop Dance Opera'.



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VIII. Profile

This is the page you can view and edit your information. Beside of that, this place can show your track queue, playlist and the track liked by you. It will increase your listen music experience on our website.

Profile for admin

Queue | Playlists | Likes | Profile

Top 5 Likes

- Rain - Taeyeon
- I Got Love - Taeyeon
- All With You - Taeyeon
- Can You Hear Me - Taeyeon
- ...

Profile for admin

Queue | Playlists | Likes | Profile

Top 5 Likes

- Rain - Taeyeon
- I Got Love - Taeyeon
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Profile for admin

Queue | Playlists | Likes | Profile

Top 5 Likes

- Rain - Taeyeon
- I Got Love - Taeyeon
- All With You - Taeyeon
- Can You Hear Me - Taeyeon
- ...



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Task Sheet Review 3

| No. | Description | Begin Date | Teammate Name | Notes |
|-----|-------------|------------|---------------|-------|
|-----|-------------|------------|---------------|-------|

User Interface

| | | | | |
|---|---------------|---------------------------|-------------------|--|
| 1 | HomePage | May 22 th 2020 | Lương Trúc Quỳnh | |
| 2 | Discover Page | | Hoàng Minh Tâm | |
| 3 | Browse Page | | Ngô Thị Đoan Dung | |
| 4 | Chart Page | | Võ Minh Thư | |
| 5 | Artist Page | | Ngô Thị Đoan Dung | |
| 6 | Search Page | | Hoàng Minh Tâm | |

Administrator Interface

| | | | | |
|----|---------------|---------------------------|-------------------|--|
| 6 | HomePage | May 22 th 2020 | Lương Trúc Quỳnh | |
| 7 | Discover Page | | Hoàng Minh Tâm | |
| 8 | Browse Page | | Ngô Thị Đoan Dung | |
| 9 | Chart Page | | Võ Minh Thư | |
| 10 | Artist Page | | Ngô Thị Đoan Dung | |
| 11 | Search Page | | Hoàng Minh Tâm | |

Date

Signature of Instructor:

Mrs. Le Mong Thuy

Signature of Team Leader:

Ms. Ngo Thi Doan Dung