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**Group 05 - AlgoRhythm**

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**CANARY MUSIC STREAMING SERVICE**

**UI Prototype Description**

**Version 1.2**

<b>Canary Music Streaming Service</b>	Version: 1.2
UI Prototype Description	Date: 12/12/2024

## Revision History

Date	Version	Description	Author
26/11/2024	1.0	Write down all of the pages and their functionality and how to use them.	Trần Anh Minh Bùi Nguyễn Lan Vy
27/11/2024	1.1	Improve the writing structure and write the usage of pages; update and insert images of pages	Bùi Nguyễn Lan Vy
12/12/2024	1.2	Minor change in designs	Khruu Thành Thiện

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# UI Prototype Description

## 1. Common pages

### 1.1. Sign-In page

#### 1.1.1. Purpose

If the users had an account, they can provide the account authentication to log back in.

#### 1.1.2. What it shows

The authentication information includes:

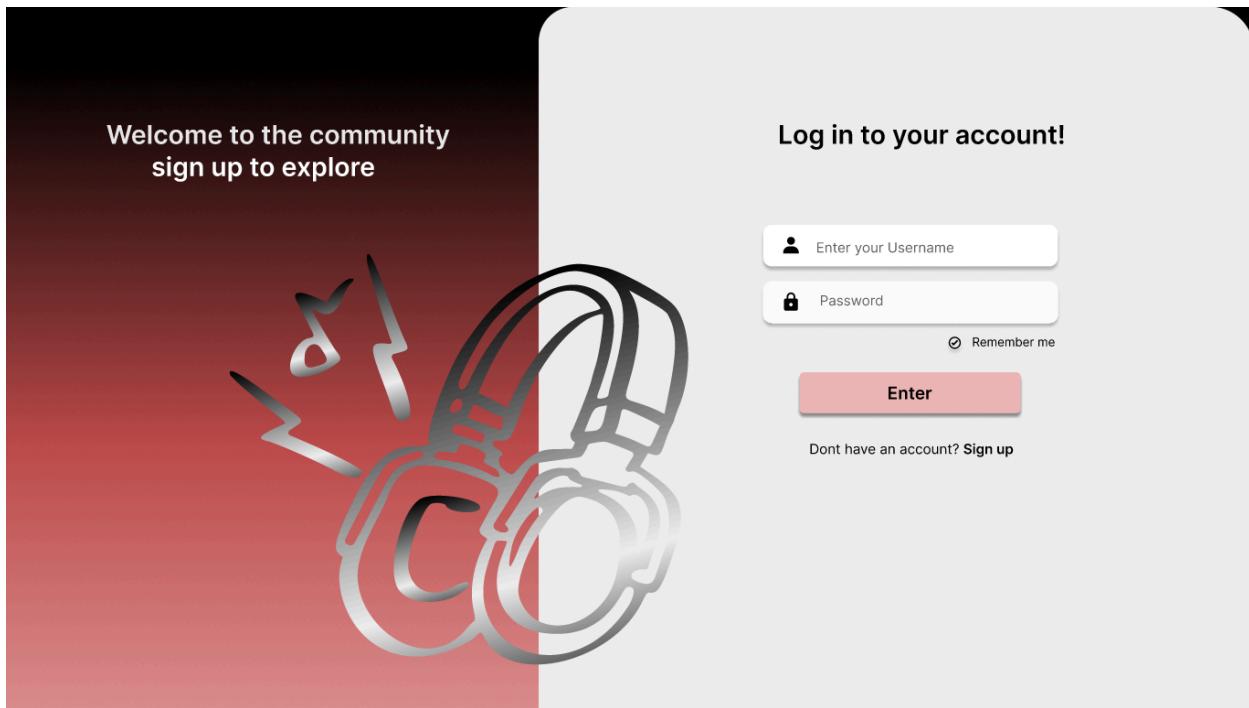
- The username
- The password

Hitting *enter* to verify the information and proceed.

Hitting **Sign Up** to create an account if the user hasn't registered yet.

#### 1.1.3. How users use

Users will have to fill out the authentication form to login. In case they don't have the account, they can click the '**Sign up**' button below to register a new account.



### 1.2. Sign-Up page

#### 1.2.1. Purpose

This page is used for users to create a new account to become members in order to access other member's services.

#### 1.2.2. What it shows

As the user wants to sign up for the new account, they will have to complete the form as:

- *The username*
- *The email address*

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- *The phone number*
- *The password*

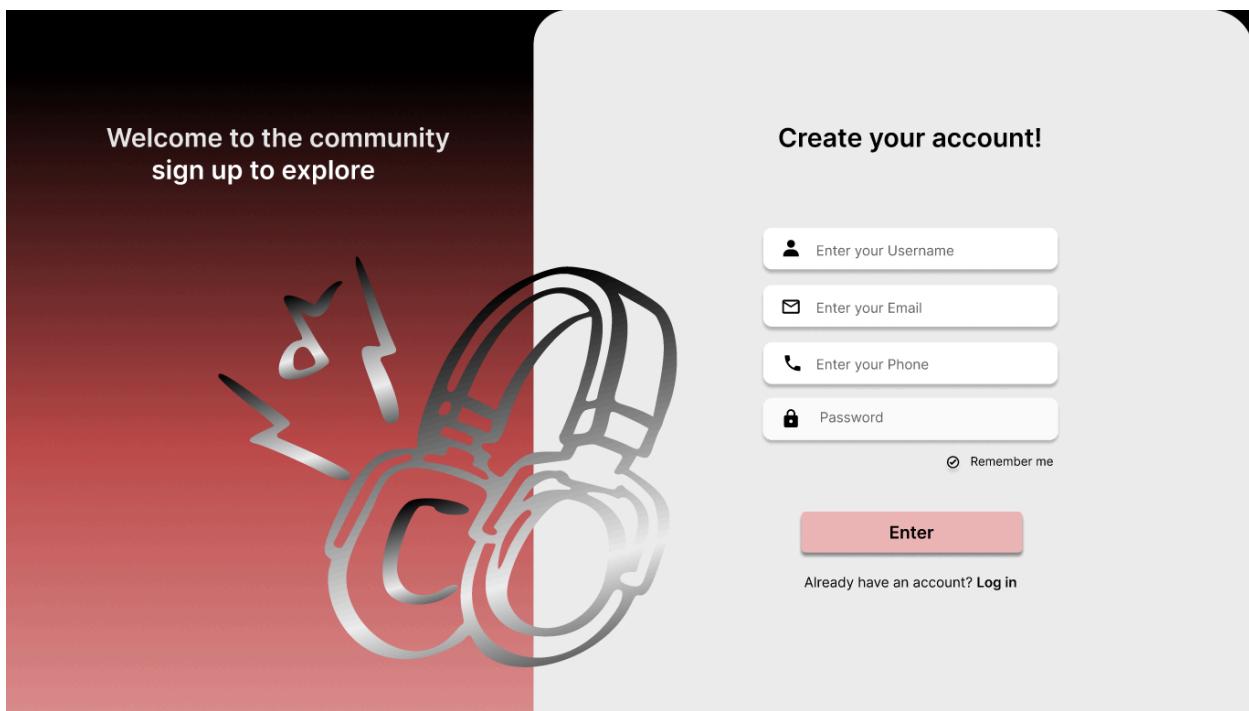
Moreover, the **username** should be distinct from the other as it acts as a form of recognition; the **email and phone** should follow the email and phone number structure. The **password** should be strong, as it needs to have the combination of lowercase, uppercase, number, and special characters, forming at least 8 characters.

Only then can the user hit the *enter* button to proceed with creating the new account.

Besides, the users can hit the **Login button** to go to the login page.

#### 1.2.3. How users use

The user should fill in the form with legit, distinctive information in order to login and access the Homepage. However, they can go back to the Login page through the button in case they have already had an account.



### 1.3. Header

#### 1.3.1. Purpose

The header's primary purpose is to display the login state of the user and a search bar. These are common actions people always do on a music website, and they are also primary for users to follow up. Therefore, these actions are placed on the header for easier moves. Also, there is the group's name on the left side.

#### 1.3.2. What it shows

The header shows the group name, the search bar, and the state of sign-in.

If the user has not signed into the website, there will be 2 buttons: '**Sign Up**' and '**Log In**'. The user can use these buttons to switch to the log-in pages.

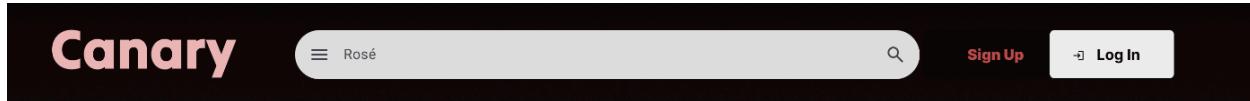
If the user has logged in to the website, the username alongside the avatar will show up at the corner.

#### 1.3.3. How users use

- The users can search for things through the search bar.

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- Users can hit the ‘Sign up’ or ‘Log in’ button to create an account or sign in.
- Users can hit their username, which shows up after logging in, to access the Member bar.
- Users can hit the group’s name to go back to the Homepage.



Header before signing in



Header after signing in

#### 1.4. The left sidebar

##### 1.4.1. Purpose

The sidebar will display the page that the user can access. After clicking, it will lead to the corresponding page.

##### 1.4.2. What it shows

###### Guest user:

- The home page

###### Member user:

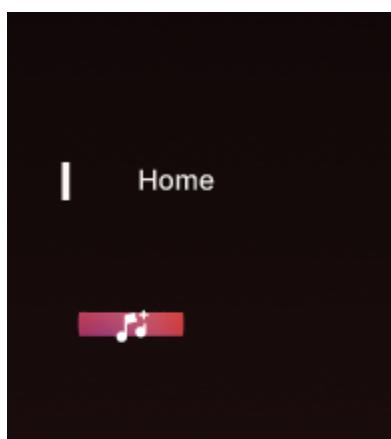
- The home page
- The profile page
- The library page
- The upload page

###### Admin user:

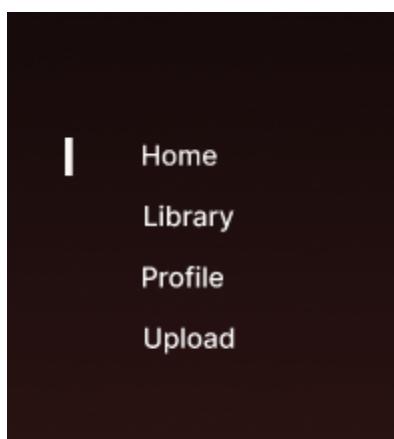
- The admin page

##### 1.4.3. How users use

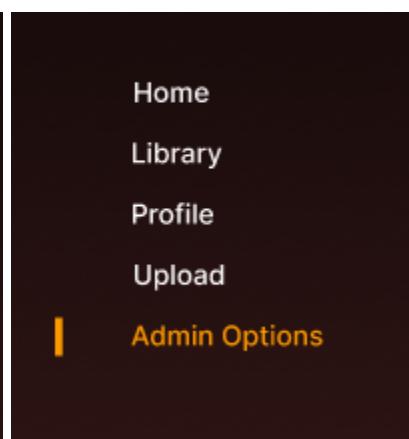
Users can click any page on this sidebar to go to the corresponding page.



Guest's left sidebar



Member's left sidebar



Admin's left sidebar

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## 1.5. The right sidebar

### 1.5.1. Purpose

The right sidebar will show the selected song's information while playing that song.

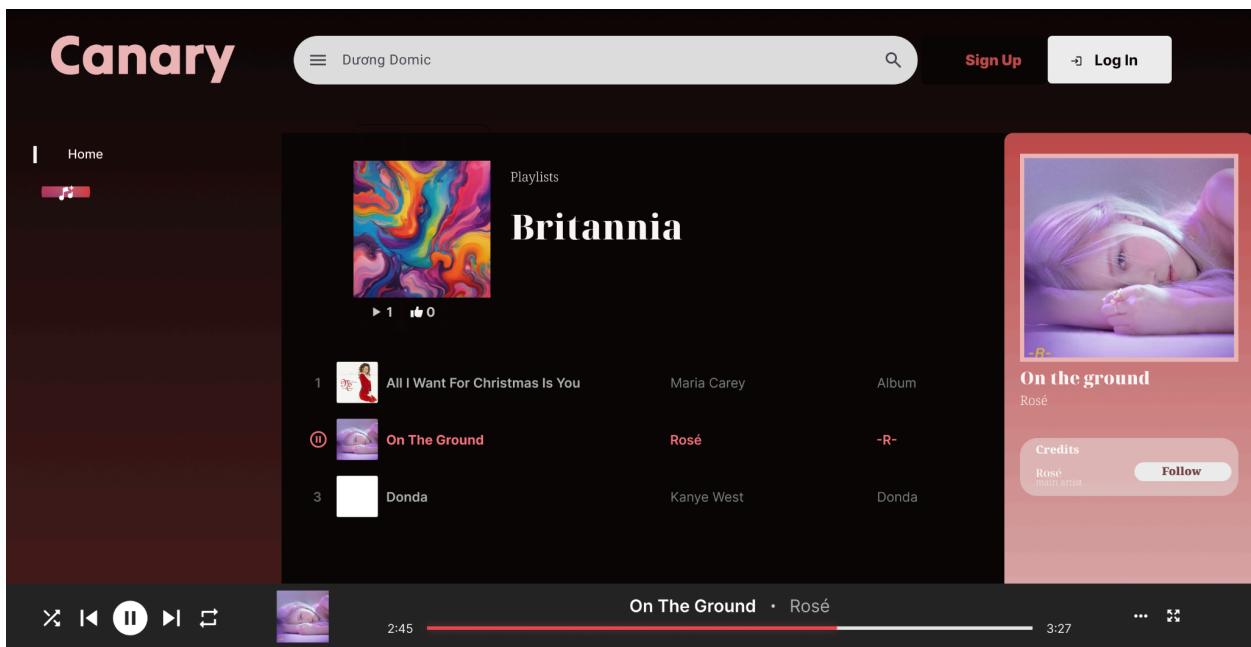
### 1.5.2. What it shows

The sidebar will display the song's information, including:

- The song name
- The artist's name
- Credits.

### 1.5.3. How users use

The right sidebar only appears in the playlist page when the user picks a song from that playlist. Otherwise, this right sidebar will not be displayed.



Playlist page with right sidebar and media player bar

## 1.6. Main page

### 1.6.1. Purpose

The main page serves as a dashboard, displaying all lists of songs and playlists that the user can access.

### 1.6.2. What it shows

The main page has sections divided by these topics:

- Billboard
- Trending playlists
- New songs and playlists

There is also a button for users to upload new songs.

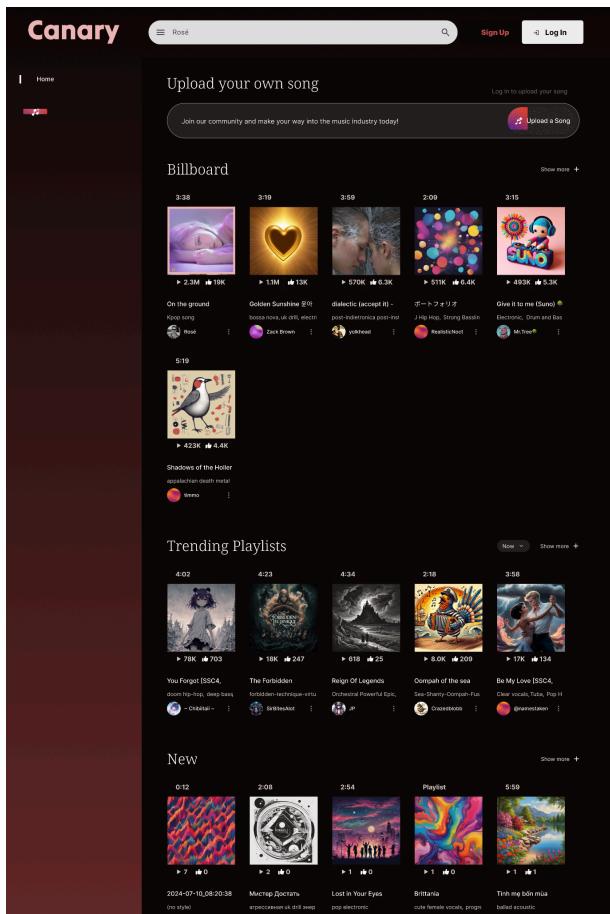
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### 1.6.3. How users use

Users can hit any song to play it, click on the playlist to access the **playlist page**, or choose the Billboard section to direct to the corresponding page.

When users hit the upload button, this action will happen automatically:

- If the user hasn't signed in, clicking this button will lead to a pop-up page, requiring the user to log in first.
- If the user is already a member, it will lead the user to the upload page.



## 1.7. Billboards page

### 1.7.1. Purpose

Upon visiting the **Billboard** page, users will be able to view the list of songs that are top streamed.

### 1.7.2. What it shows

The billboard page will show the list of top-stream real-time songs.

Also, there is a category column to filter songs due to the genres of music.

### 1.7.3. How users use

Users can access this page by clicking the section on the homepage. On this page, users can hit on any song in the list to listen to. They can also choose a genre to view and listen to a list of songs in that genre.

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The screenshot shows the Canary Music Streaming Service homepage. At the top, there is a navigation bar with the brand name "Canary" in a large, stylized font. To the right of the logo are user profile options (Dương Domic), a search bar, and buttons for "Sign Up" and "Log In". Below the navigation bar, there is a sidebar with a "Home" button and a music note icon. The main content area features a section titled "Billboard" with a sub-section "Top Streams Real-time". This section displays a list of seven songs with their titles, artists, and duration (3:54). Each song entry includes a small thumbnail image, the song title, the artist's name, and a duration of 3:54. To the right of the "Billboard" section is a "Categories" grid containing eight items: Pop, Chill, Podcast, Christmas, Romance, Hip Hop, Rock, and Jazz, each with a representative image and text label.

## 1.8. Playlist page

### 1.8.1. Purpose

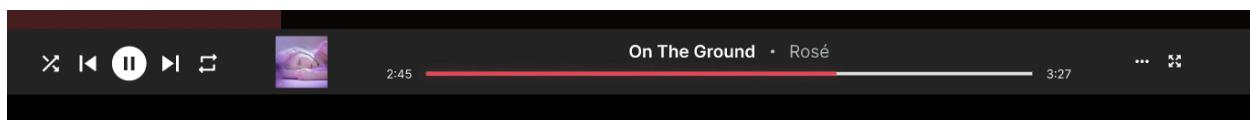
The playlist page is used to show the playlist chosen by the user, along with songs in that playlist.

### 1.8.2. What it shows

This page will display the **playlist's name** and the **list of songs** included in the playlist.

### 1.8.3. How users use

Upon **clicking any playlist**, the system will switch to the playlist page. Users can choose any song in the playlist to take action with it (play, like, report,...) or go back to Homepage through the Home button on the left sidebar.



## 1.9. Media player bar

### 1.9.1. Purpose

This is the main controller for playing the music, placed on the bottom of the website.

### 1.9.2. What it shows

There are a few buttons:

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- The center button (2 states: ).
- A slider.
- The .
- The .
- The icons.
- *The icon.*
- *The icon.*
- *The .*

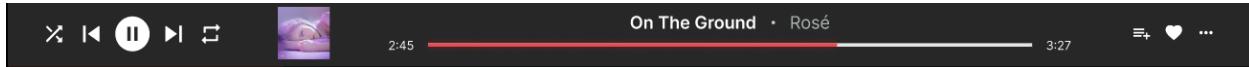
(The options in italics are only available for members.)

#### 1.9.3. How users use

Users can hit these buttons to fulfill their purposes:

- The center button is playing and pausing the music (it can have 2 states:
- A slider that can adjust the current position of the song.
- Hit the icon to listen to a random song.
- Hit the to listen to that song again.
- The to change to previous or next song.
- *Hit the icon to add the song to any playlist.*
- *Hit the for more options: report the song (only active when signed in, else it will lead to the pop-up page)*
- *Hit the to mark the song as starred and is accessible in the library.*

(The options in italics are only available for members.)



### 1.10. Search page

#### 1.10.1. Purpose

This page is used to display the searching results due to the content the users demand on the search bar.

#### 1.10.2. What it shows

This page will show 2 columns:

- The left column will show the top result related to the topic; it can be the artist's profile or a top song.
- The right column will show a list of songs due to the relevance of the user's demand, from most relevant to least relevant.

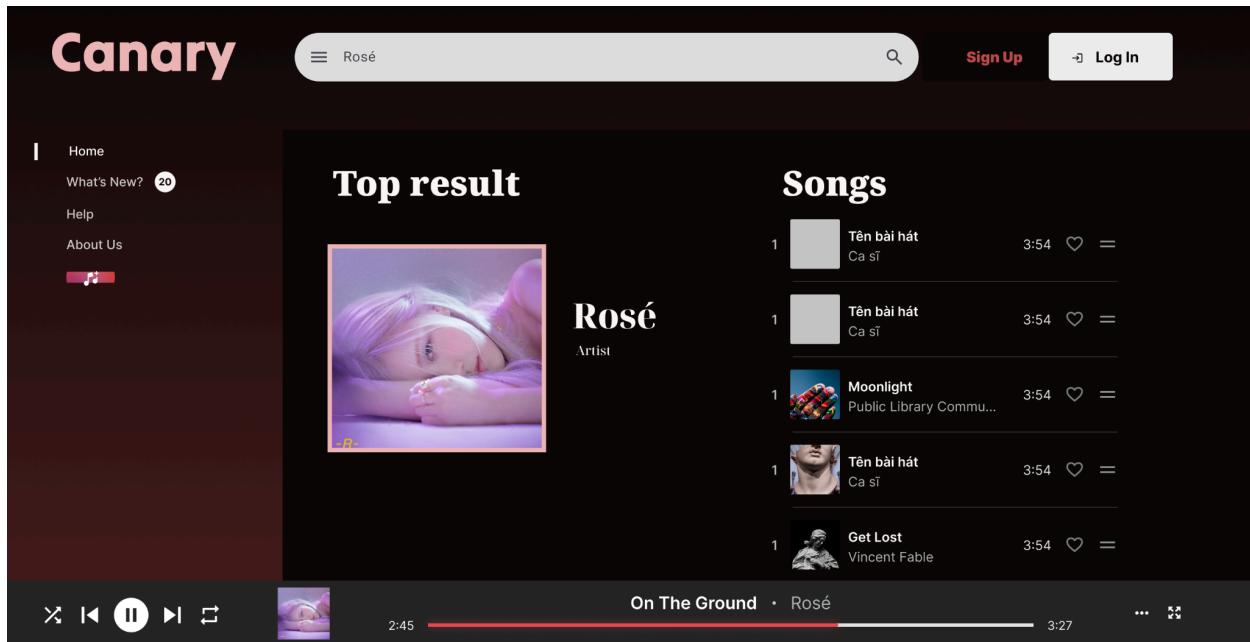
#### 1.10.3. How users use

On the **main page**, after entering the **prompt into the search bar** and hitting enter, the system will jump to the search result page.

On this page, the artists and song searching results will be listed that match the prompt.

The user can click on the song in the list in the right column to take action with it.

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## 2. Member pages

### 2.1. Profile page

#### 2.1.1. Purpose

This page will contain the user information, such as the **username** and **email account**.

#### 2.1.2. What it shows

This page has the profile picture and username on top of the section.

After that is a box where the user can see their information:

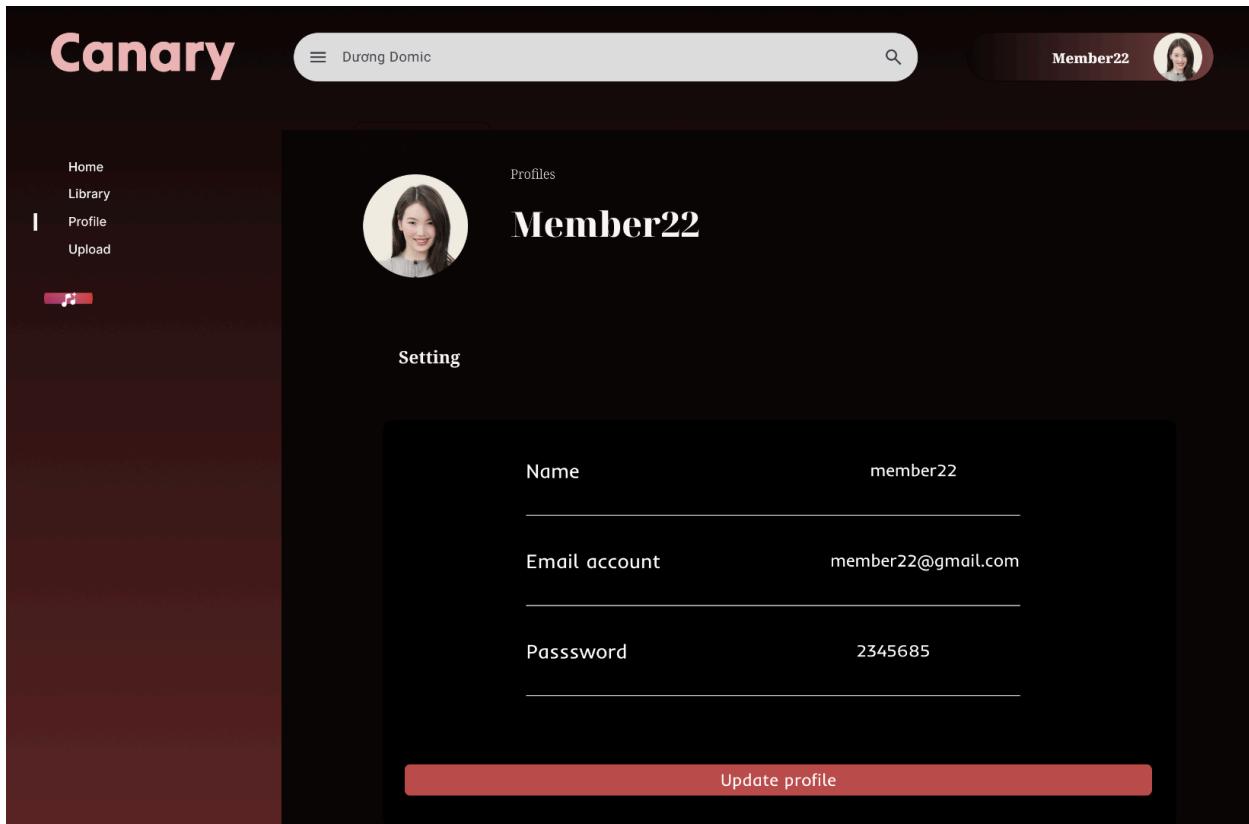
- Name
- Email account
- Password

There is also a button that allows users to change the information.

#### 2.1.3. How users use

As the owner, the user can click the information itself to change the corresponding information.

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## 2.2. Edit profile page

### 2.2.1. Purpose

This page allows users to change and update their account information.

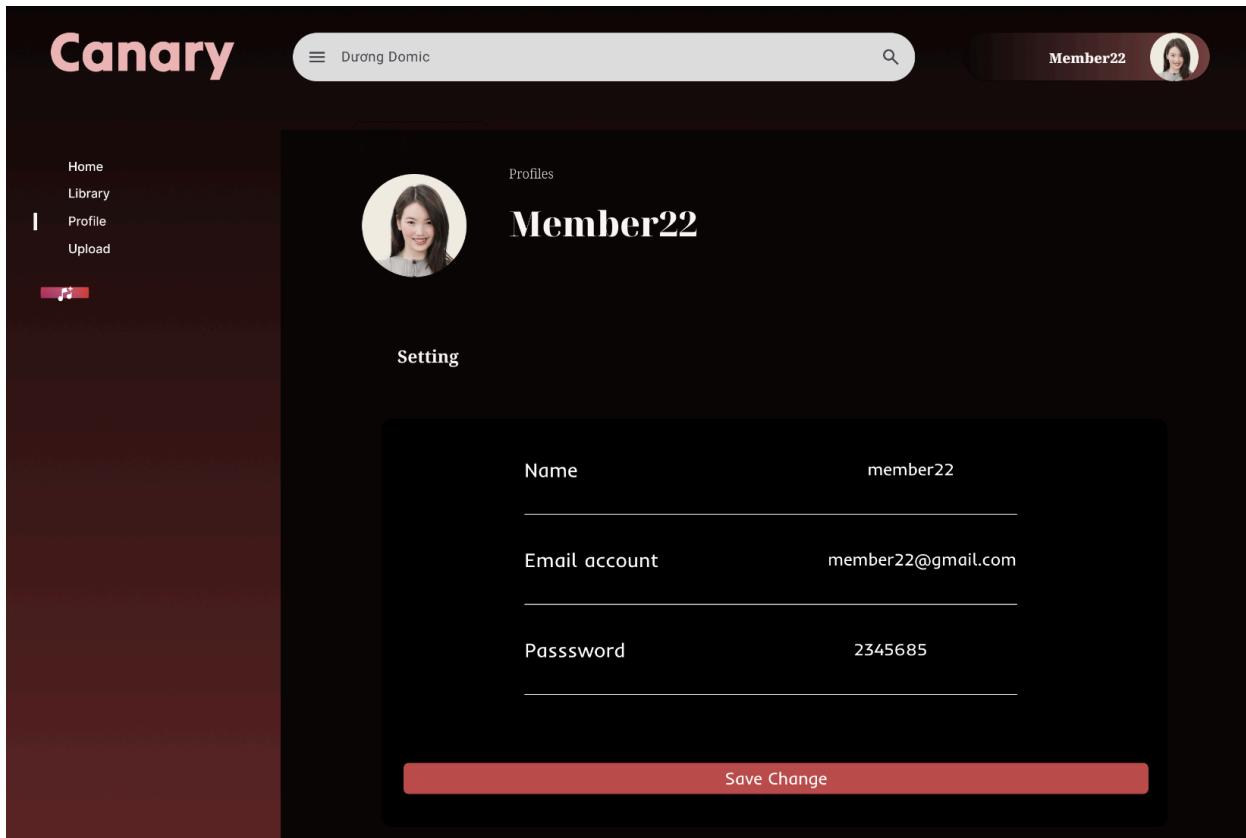
### 2.2.2. What it shows

Similarly to the **Profile page**, this page also shows the profile picture, username on top, and a box in which the account information is placed. There is a button for the user to click on after they finish changing the information in order to save those changes. The changed information should follow up with the policy when signing in.

### 2.2.3. How users use

After the user clicks to change their profile information on **Profile page**, this page will appear and allow the user to change their profile and click the button to save changes.

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### 2.3. Library page

#### 2.3.1. Purpose

This page stores all songs and playlists, either those uploaded by the users or those that the users have hit the **like** or **add to playlist** button. These songs will be displayed by topic.

#### 2.3.2. What it shows

Upon visiting this page, the system will show the user profile avatar at the top most.

Following is the information:

- The uploaded songs.
- The created playlists.
- The starred songs.

#### 2.3.3. How users use

Users can go to this page to listen to their favourite songs/ playlists, their personal added playlist or revise their own published songs/ playlists.

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The screenshot shows the Canary Music Streaming Service interface. At the top, there's a navigation bar with 'Dương Domic' and a search bar. On the right, there's a user icon for 'Member22'. The main content area features a profile picture of a woman and the username 'Member22' with '3 Public Songs'. Below this, there are three sections: 'Uploaded Songs', 'Liked songs', and 'Your playlist'. Each section contains a grid of song thumbnails with titles like 'Christmas's Eve', 'On the ground (cover)', 'White noise', 'Way Back Home', 'Rockabye', 'Graduation', 'Stay', 'abcdefu', 'Bad Habits', 'At My Worst', 'Red (Taylor's Version)', 'Need To Know', 'After Hours', 'HIT MACHINE', 'Red (Taylor's Version)', and 'Nee'.

## 2.4. Upload page

### 2.4.1. Purpose

On this page, the members can upload a song to the server.

### 2.4.2. What it shows

This page will display the profile picture and username on top as other member's pages. The first section will be songs uploaded before by the users. Lastly, there is a form that needs to be filled out with the following information:

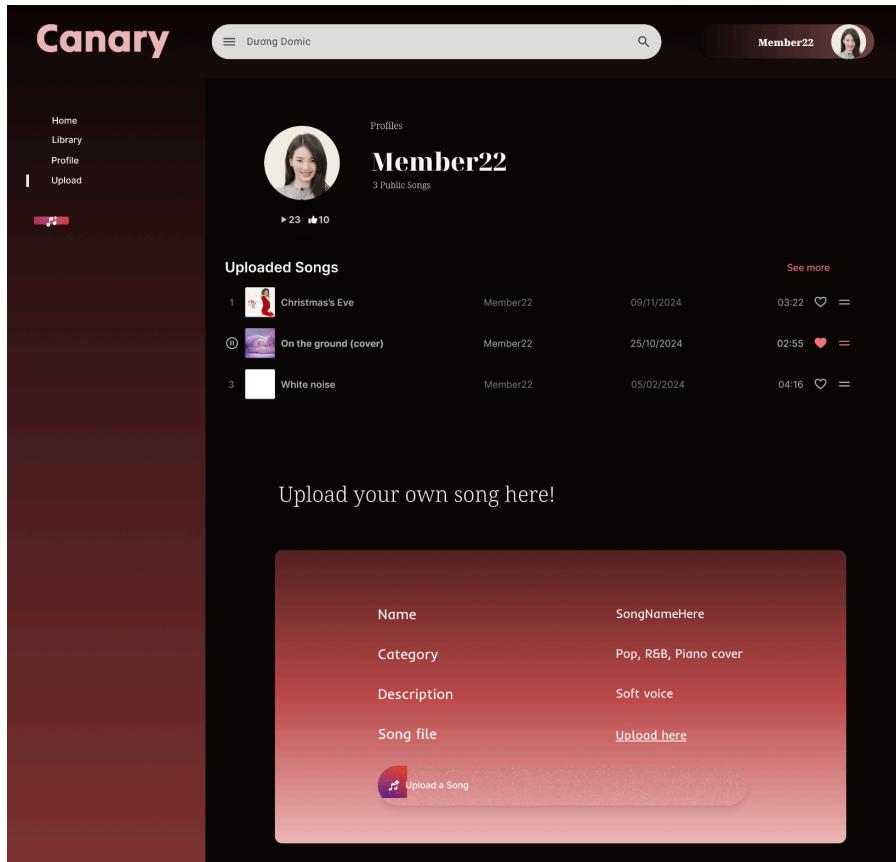
- The song's name
- The song's category
- The description
- Upload song file

There is also a button to submit the song's information.

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#### 2.4.3. How users use

The upload can be accessed by hitting the upload button **on the left sidebar** or through the button on the **main page**. Users will have to fill out all the information required in the form. They can upload files by clicking on the “Upload here” text, which will allow them to push a file on. After all gaps have been filled, the users can now hit the submit button to process their request.



#### 2.5. Report pop-up page

##### 2.5.1. Purpose

The report page allows users to make a report to a song through a form on display.

##### 2.5.2. What it shows

This pop-up page will show these information:

- Song's name.
- Artist's name.
- Song's genres.
- Report reasons, which the users have to type in themselves.

There are also 2 buttons: submit and cancel to make actions to.

##### 2.5.3. How users use

This page will appear when clicking on the icon on the **media player bar** or on the song display in every page.

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The user has to fill in the reasons they want to report that song and click the submit button to submit it.

### Report Section

Song name	Don't break my neck
Artist	The Weekdays
Genre	R&B
Reasons	<input type="text"/> <input type="text"/>



[Submit](#)
[Cancel](#)

## 2.6. Member tab

### 2.6.1. Purpose

This tab's purpose is to make it easier to switch to the admin's page or log out to the guest's page. There are also 2 other options (profile and library) for users to take fewer moves in their user experience.

### 2.6.2. What it shows

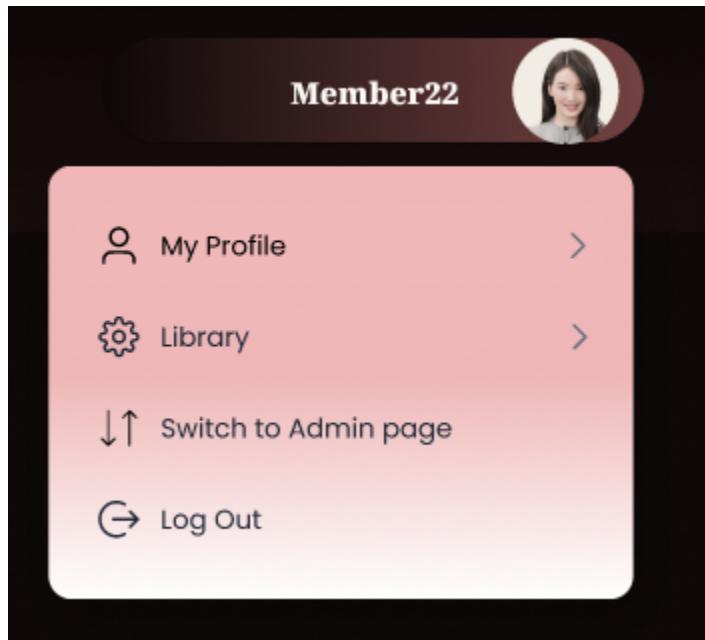
This bar will display these buttons to navigate to the corresponding page:

- View profile
- View library
- Switch to Admin page
- Log out: This button will navigate to the guest homepage.

### 2.6.3. How users use

This tab appears under the profile state when the user clicks on the member's avatar on the header (only when signed in). Users can choose any options in the bar to navigate to the desired page.

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### 3. Admin pages

By entering the account granted administrator permission, admin options will be added to the left sidebar.

#### 3.1. Uploading requests

##### 3.1.1. Purpose

This page allows admins to view uploading song requests from the user and approve or decline them due to the policy.

##### 3.1.2. What it shows

When entering this tab, the admin will see a list of songs in the waiting list with this information:

- Song's name
- Artist's name
- Request sent date
- Song's duration

These songs should be clicked in to go to the pop-up page, which shows the song's detailed information and a button to approve or decline.

##### 3.1.3. How users use

By hitting the '**Admin options**' and choosing the tab '**Upload request**', admin will be presented with the list of songs that are waiting to be verified before allowing them to be publicized.

Hitting one request showed up a pop-up that displayed the song information and the preview version (the **Pop-up request details page**)

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The screenshot shows the Canary Music Streaming Service Admin interface. The top navigation bar includes 'Duong Domic' (logged in user), a search bar, and a profile icon for 'Admin01'. Below the header, there are tabs for 'Upload requests', 'Report requests' (which is active), 'Song Management', 'User Management', and 'Analytics'. On the left, a sidebar menu lists 'Home', 'Library', 'Profile', 'Upload', and 'Admin Options' (selected). The main content area is titled 'Awaiting upload requests' and lists five songs:

Rank	Song Title	Artist	Date	Duration
1	Christmas's Eve	Marianna Carolina	09/11/2024	03:22
2	Don't break my neck	The Weekdays	14/06/2024	03:25
3	Not like Drake	Lendrick Kamar	27/09/2024	04:34
4	Skeletons	Can't Imagine the Dragons	15/06/2024	02:45
5	I Hate It This Way	FrontStreet Guys	11/10/2024	03:33

### 3.2. Report requests

#### 3.2.1. Purpose

This page allows the admin to view report song requests from the user and approve or decline them due to the policy. Based on their decision, the song will be deleted or not.

#### 3.2.2. What it shows

This page displays a list of reported songs in the waiting list with these information:

- Song's name
- Artist's name
- Report time
- Reason

These songs should be clicked in to go to the pop-up page, which shows the song's detailed information and a button to approve or decline. Then there will be further action to delete the song or not.

#### 3.2.3. How users use

By hitting the '**Admin options**' and choosing the tab "**Report request**", admin will be presented with the list of songs that are waiting to be investigated and verified before making any further changes to it.

Hitting one request showed up a pop-up that displayed the song information and the preview version (the **Pop-up request details page**)

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Song title	Artist	Report time	Reason
1 Christmas's Eve	Marianna Carolina	23:14 09/11/2024	Copyright-infringement
2 Don't break my neck	The Weekdays	05:15 14/06/2024	Inappropriate-content
3 Not like Drake	Lendrick Kamar	23:01 27/09/2024	Inappropriate-content
4 Skeletons	Can't Imagine the Dragons	09:05 15/06/2024	Copyright-infringement
5 I Hate It This Way	FrontStreet Guys	09:11 11/10/2024	Scammed advertisement

### 3.3. Pop-up request details page

#### 3.3.1. Purpose

This pop-up allows admins to preview the upload request or report request before accepting or declining it.

#### 3.3.2. What it shows

- The song's name
- Its artist
- The genre
- The duration
- The upload data
- The song's thumbnail

There are also buttons for **approval** and **decline** for admins to click.

#### 3.3.3. How users use

As admins preview the request, they can click **Approve** to accept the upload request, resulting in the song being publicized, or when dealing with a report, the song will be removed down from the server.

On the other hand, if the administrators think that the songs do not meet the policy, term of service, or violate any infringement, they can choose to use the **Decline** button to simply deny it in case the upload request, or simply deny the request of reporting by the user.

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## Upload request details

Song name	Don't break my neck
Artist	The Weekdays
Genre	R&B
Duration	03:25
Upload date	14/06/2024



Approve
Decline

### 3.4. Songs management

#### 3.4.1. Purpose

The users can change their already-uploaded song's information (as name or genres). This page allows the administrator to view those edits and approve or decline them.

Administrators can use this page to view the list of songs that are available on the system.

They will have a few options to use, including viewing its information, updating its information, or unpublishing it.

#### 3.4.2. What it shows

The page shows the list of songs in the system. There is also a search bar for ease of finding songs.

#### 3.4.3. How users use

Upon clicking on each song, a pop-up will show up, allowing admins to interact with it.

- They can choose any information to change
- They will also have the option to remove the song.

<b>Canary Music Streaming Service</b>	Version: 1.2
UI Prototype Description	Date: 12/12/2024

The screenshot shows the 'Song Management' section of the Canary Music Streaming Service. At the top, there's a navigation bar with tabs: 'Upload requests', 'Report requests', 'Song Management' (which is active and highlighted in blue), 'User Management', and 'Analytics'. Below the navigation bar is a search bar with the placeholder 'Search for songs in library...'. The main area displays a list of songs with the following details:

Song Title	Artist	Upload Date	Duration
Christmas's Eve	Marianna Carolina	09/11/2024	03:22
Don't break my neck	The Weekdays	14/06/2024	03:25
Not like Drake	Lendrick Kamar	27/09/2024	04:34
Skeletons	Can't Imagine the Dragons	15/06/2024	02:45
Don't break my neck	The Weekdays	14/06/2024	03:25
Not like Drake	Lendrick Kamar	27/09/2024	04:34
I Hate It This Way	FrontStreet Guys	11/10/2024	03:33
Skeletons	Can't Imagine the Dragons	15/06/2024	02:45
Christmas's Eve	Marianna Carolina	09/11/2024	03:22
I Hate It This Way	FrontStreet Guys	11/10/2024	03:33

On the left side of the screen, there's a vertical sidebar with links: 'Home', 'Library', 'Profile', 'Upload', and 'Admin Options' (which is currently selected). There's also a small icon of a person with musical notes.

### 3.5. User management

#### 3.5.1. Purpose

Similarly to the song managements, admins can view the list of available users.

#### 3.5.2. What it shows

The page will show the list of users as they can manage; also, there will be a search bar to find users more easily.

#### 3.5.3. How users use

Against the songs, admins cannot manage the account authentication, as it will violate the users' privacy.

They can simply view the username, email, and other related information. Moreover, they can create new accounts or remove accounts directly from the system.

<b>Canary Music Streaming Service</b>	Version: 1.2
UI Prototype Description	Date: 12/12/2024

The screenshot shows the User Management section of the Canary Music Streaming Service. At the top, there's a navigation bar with tabs: Upload requests, Report requests, Song Management, User Management (which is currently selected), and Analytics. Below the navigation bar is a search bar labeled "Search for users...". The main content area displays a grid of user profiles. Each profile consists of a small circular thumbnail, the user's name, and a hashtag. The users listed are: "The Weekdays" (#A\_tesfaye), Drake (#longslong), Pre Malone (#notJ\_Timberlake), Ted Shiran (#ginger\_boy), and several instances of Ted Shiran with the same profile picture and the hashtag #ginger\_boy. The sidebar on the left has links for Home, Library, Profile, Upload, and Admin Options (which is currently selected). There's also a small icon of a musical note.

### 3.6. Analytics

#### 3.6.1. Purpose

This page helps the administrator view the indexes of analytics through a wide range of charts.

#### 3.6.2. What it shows

Different charts will be displayed for the administrator to view, analyze, and make further decisions.

#### 3.6.3. How users use

Upon accessing this page, admins won't have to click anything more; simply view the index show on the screen.

<b>Canary Music Streaming Service</b>	Version: 1.2
UI Prototype Description	Date: 12/12/2024

