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**Group02**

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**Beatify**  
**User Interface Prototype**

**Version 1.0**

Beatify	Version: 1.0
User Interface Prototype	Date: 03/12/2024

## Revision History

Date	Version	Description	Author
13/12/2024	1.0	Sign Up Page, Log In Page, Forgot Password Page, Reset Password Page, Profile Page, Premium Page, Searching Page.	Võ Ngọc Khoa
13/12/2024	1.0	Home Page, Artist Page, Playlist Page	Phạm Hà Hiếu
13/12/2024	1.0	Admin Page, Curator Page	Trần Trung Hiếu
14/12/2024	1.0	Recently Played Page, Liked Songs Page	Nguyễn Duy Bảo

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# User Interface Prototype

## 1. Introduction

### 1.1 Purpose

This document describes all the screens in the Beatify website and explains each feature in the display.

### 1.2 Scope

Provide a fully functional about the expected UI of the website

### 1.3 Definition

UC: User-case

### 1.4 Acronyms

None

### 1.5 Abbreviations

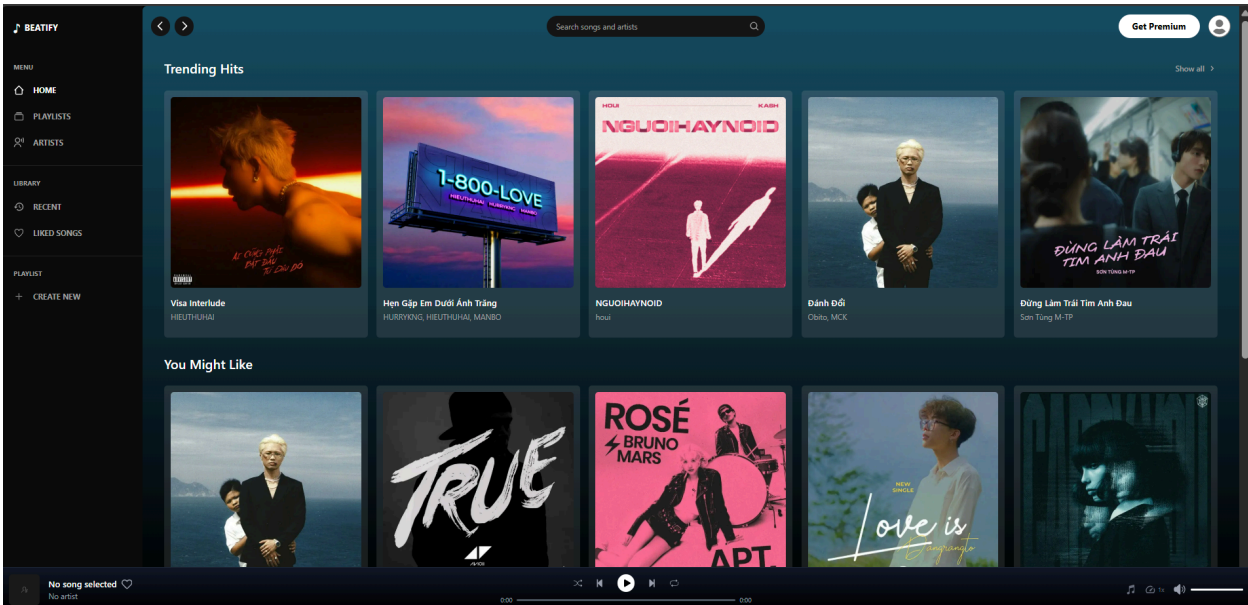
None

### 1.6 References

- Vision document.
- Use-case specification document.

## 2. Screens

### 2.1 Home page



### Purposes

1. **Music Discovery:** Highlight trending music and provide personalized recommendations to help users explore new songs, artists, and genres.
2. **Seamless Playback Experience:** Offer intuitive playback controls for easy listening and allow users to manage their music queue effortlessly.
3. **Library and Playlist Management:** Enable users to organize their favorite songs, create playlists, and revisit recently played tracks.
4. **Enhanced Search Functionality:** Facilitate quick access to songs, albums, or artists through a simple and accessible search bar.
5. **Monetization Through Premium:** Encourage users to upgrade to a premium subscription for additional

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benefits, such as ad-free listening, offline mode, and higher-quality audio.

6. **User Personalization:** Provide recommendations based on user preferences and listening history to create a tailored music experience.

#### UI Description:

1. **Navigation Menu (Left Panel):**
  - Home: Central hub for trending and personalized music recommendations.
  - Playlists: Access official playlists.
  - Artists: Explore popular artists.
  - Recent: Quick access to recently played tracks.
  - Liked Songs: Access saved or liked tracks.
  - Create New: Option to build a custom playlist.
2. **Main Display Area:**
  - Trending Hits: A carousel or grid showcasing popular songs currently trending. Each song is represented with an album cover, title, and artist.
  - You Might Like: A personalized recommendation section based on the user's listening habits.
3. **Search Bar (Top Center):**
  - Allows users to search for specific songs or artists.
4. **Playback Controls (Bottom Panel):**
  - Displays currently playing track details.
  - Offers controls such as play/pause, skip, and volume adjustment.
5. **Premium Option (Top Right):**
  - A button to upgrade to a premium subscription for enhanced features.

#### How Users Can Use:

1. **Discover and Play Music**
  - Use the **Trending Hits** section to stay updated with popular music.
  - Browse through **You Might Like** for personalized suggestions.
  - Click on any album or song cover to play it instantly.
2. **Search for Songs and Artists**
  - Utilize the **Search Bar** to find specific music by entering keywords.
3. **Manage Your Library**
  - Access recently played tracks via the **Recent** tab.
  - Mark songs as favorites under the **Liked Songs** tab.
  - Create custom playlists using the **Create New** button.
4. **Control Music Playback**
  - Use the bottom panel to manage playback settings such as skipping tracks or adjusting the volume.
5. **Upgrade to Premium**
  - Click on **Get Premium** for ad-free listening, offline downloads, and other exclusive features.

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## 2.2 Sign Up Page

### Purposes

1. **User Registration:**
  - Enable new users to create an account on the platform to access personalized features
  - Ensure the registration process is straightforward and user-friendly.
2. **Account Security:**
  - Educate users about terms and policy of service.

### UI Description:

1. **Header Section:**
  - **Web name:** “Beatify” is prominently displayed at the top of the registration form for consistent brand recognition and navigation
  - **Page Title:** “Create account and start listening” is displayed to inform users about the current task.
  - **Terms and Conditions:** To define the rules, rights, and responsibilities between a website or service and its users.
2. **Form Fields:**
  - **Username Input Field:** For entering the user’s profile name
  - **Email Input Field:** For entering the user’s email address with a text.
  - **Password Input Field:** Prompts users to create a password.
3. **Call-to-Action Button:**
  - **Sign up:** A bold, inviting button that finalizes the registration process.
4. **Acknowledge and agree to the terms and policy:**
  - A checkbox to confirm your agreement with the terms.
5. **Navigation Option:**
  - **Login Link:** An option for users who already have an account to switch to the login page easily.

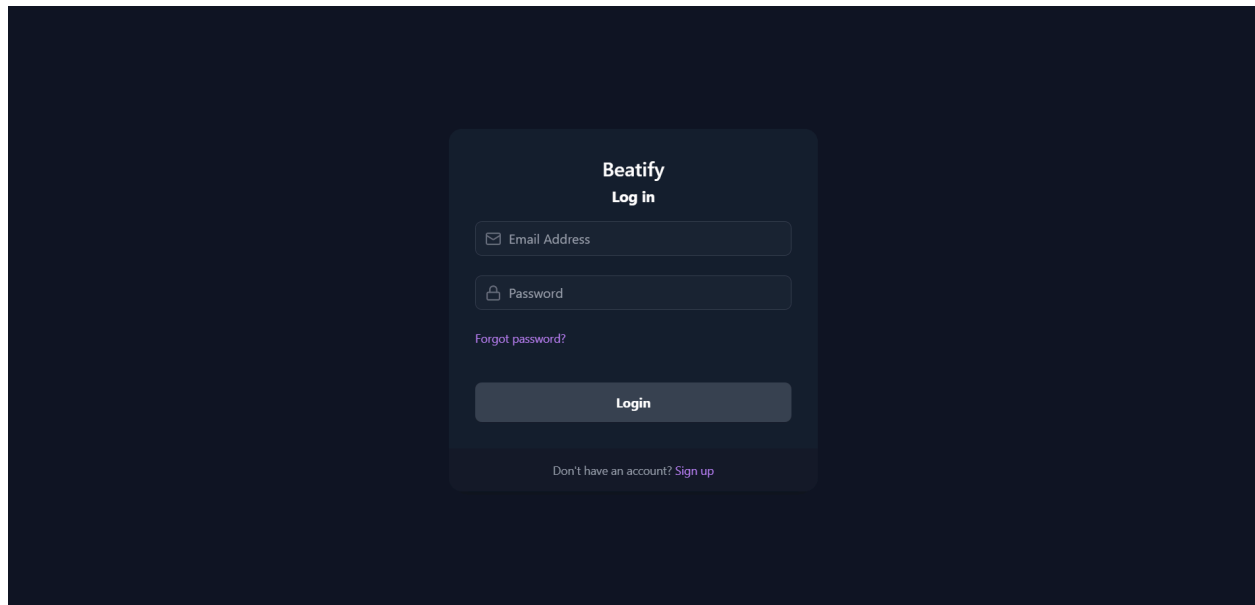
### How Users Can Use:

2. **Input Information:**
  - Users enter their Username, Email, and Password into the respective fields.
3. **Agree to Policies:**
  - By clicking a checkbox to confirm your agreement with the terms.

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4. **Create an account:**
  - Click the “Sign up” button to successfully create an account.
5. **Switch to Login:**
  - Users who realize they already have an account can click the “Sign in” link to switch to the login page seamlessly.

## 2.3 Login Page



### Purposes:

1. **User Authentication:**
  - Allow returning users to access their accounts quickly and securely.
  - Provide a direct way for users to recover forgotten passwords.

### UI Description:

1. **Header Section:**
  - **Web name:** “Beatify” is prominently displayed at the top of the registration form for consistent brand recognition and navigation
  - **Page Title:** "Login" is prominently displayed to indicate the page’s purpose.
2. **Form Fields:**
  - **Email Input Field:** Allows users to enter their registered email addresses.
  - **Password Input Field:** Allows users to enter their registered password.
3. **Password Recovery:**
  - **Forgotten Password Link:** Below the password field, users can access password recovery options if needed.
4. **Call-to-Action Button:**
  - **Login:** A bold button to submit login credentials and access the account.
5. **Account Creation Option:**
  - **Login:** A link below the login form encourages new users to sign up if they don’t have an account yet.

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#### How Users Can Use:

1. **Access Account:**
  - Users enter their email and password to log into their account.
2. **Recover Password:**
  - If users forget their passwords, they can click the "Forgot password?" link to initiate a password reset process.
3. **Create Account Option:**
  - Users without an account can click "Sign up" to navigate to the sign up page and start the registration process

## 2.4 Forgot Password Page

#### Purposes:

1. **User Authentication:**
  - Provide a direct way for users to recover forgotten passwords and regain access to their accounts securely.
  - Ensure users can initiate the password reset process quickly with minimal effort.

#### UI Description:

1. **Header Section:**
  - **Page Title:** "Forgot Password" is prominently displayed to indicate the page's purpose.
2. **Form Fields:**
  - **Email Input Field:**
    - Placeholder: "Email Address" to indicate the type of input required.
    - Tooltip/Helper Text: "Enter your email address, and we'll send you a link to reset your password."
3. **Call-to-Action Button:**
  - **Send Reset Link:** A large, bold button below the email field allows users to submit the password



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reset request.

**4. Navigation Options:**

- **Back to Login:** A link positioned below the "Send Reset Link" button navigates users back to the login page.

**How Users Can Use:**

**1. Recover Forgotten Passwords:**

- Users enter their registered email address in the input field.
- Click the "Send Reset Link" button to initiate a password reset request.
- Check their email inbox for the password reset link.

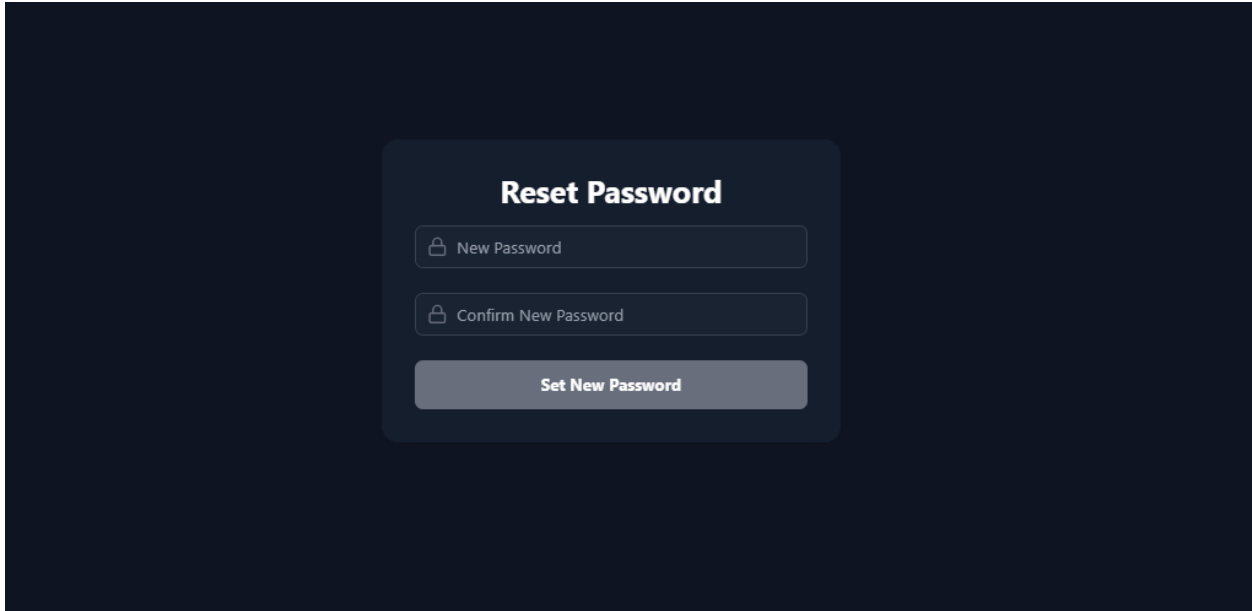
**2. Navigate Back to Login:**

- Use the "Back to Login" link to return to the login page if they remember their credentials.

**3. Seamless Password Recovery:**

- Follow the link sent to their email to set a new password securely.

**2.5 Reset Password Page**



**Purposes:**

**1. User Authentication:**

- Allow users who have initiated the password recovery process to set a new password securely.
- Ensure the reset process is intuitive and safe, maintaining account integrity.

**UI Description:**

**1. Header Section:**

- **Page Title:** "Reset Password" is displayed to clearly convey the purpose of the page.

**2. Form Fields:**

- **New Password Field:** "New Password" to indicate the input required.
- **Confirm Password Field:** "Confirm New Password" to re-enter the password for validation.

**3. Call-to-Action Button:**

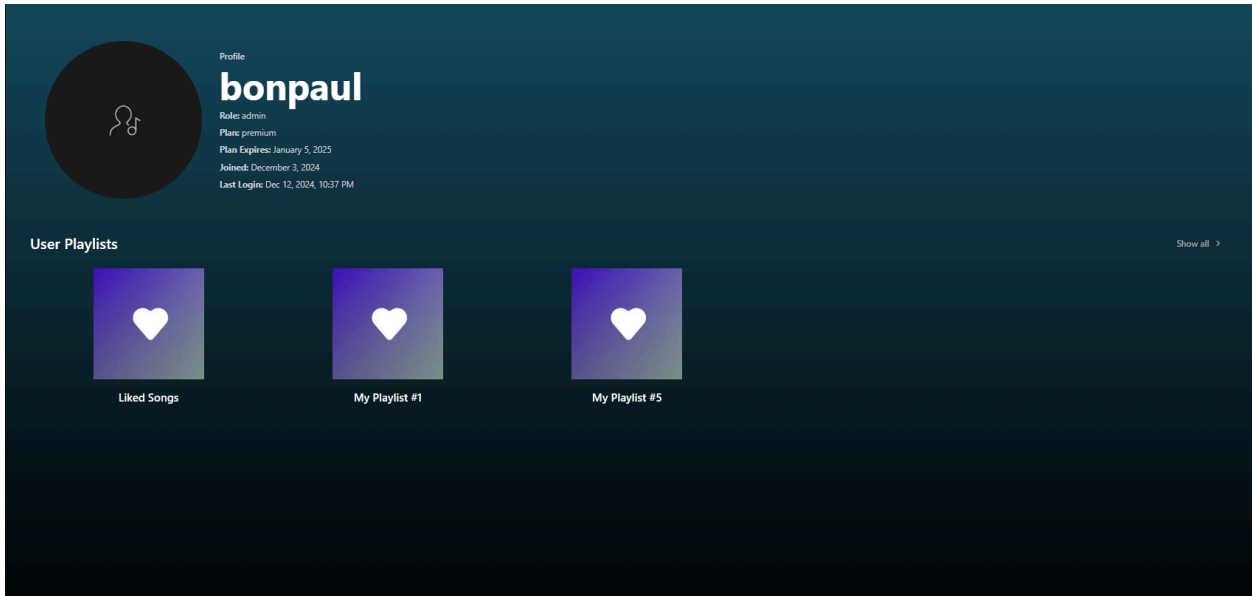
- **Set New Password:** A large, bold button at the bottom of the form to submit the new password and complete the process.

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How Users Can Use:

- 1. **Set a New Password:**
  - Users input a strong password in the "New Password" field.
  - Re-enter the same password in the "Confirm New Password" field.
- 2. **Submit Reset:**
  - Click the "Reset Password" button to save the new password.
- 3. **Confirmation:**
  - Once reset, users are notified of success.

2.6 Profile Page



Purposes:

- 1. **User Account Overview:**
  - Provide users with a detailed view of their account information, including profile details, role, subscription plan, and playlists.
- 2. **Easy Access to Playlists:**
  - Allow users to quickly view, manage, and navigate their saved playlists and liked songs.
- 3. **Subscription Management:**
  - Inform users about their subscription plan, expiration date, and account activity details.

UI Description:

- 1. **Header Section:**
  - **Profile Name:** The username (e.g., "bonpaul") is prominently displayed to help users recognize their account.
  - **Profile Picture:** A placeholder or uploaded user avatar is displayed alongside the profile name.
  - **Role and Subscription Details:**
    - Role (e.g., "admin") and plan (e.g., "premium") are displayed for clarity.
    - Plan expiry date, account creation date, and the last login timestamp are clearly listed.
- 2. **User Playlists Section:**
  - **Title:** "User Playlists" is displayed as the section header.
  - **Playlists Display:**
    - Playlists are shown as cards with a thumbnail (e.g., a heart icon) and titles like "Liked Songs" or "My Playlist #1."

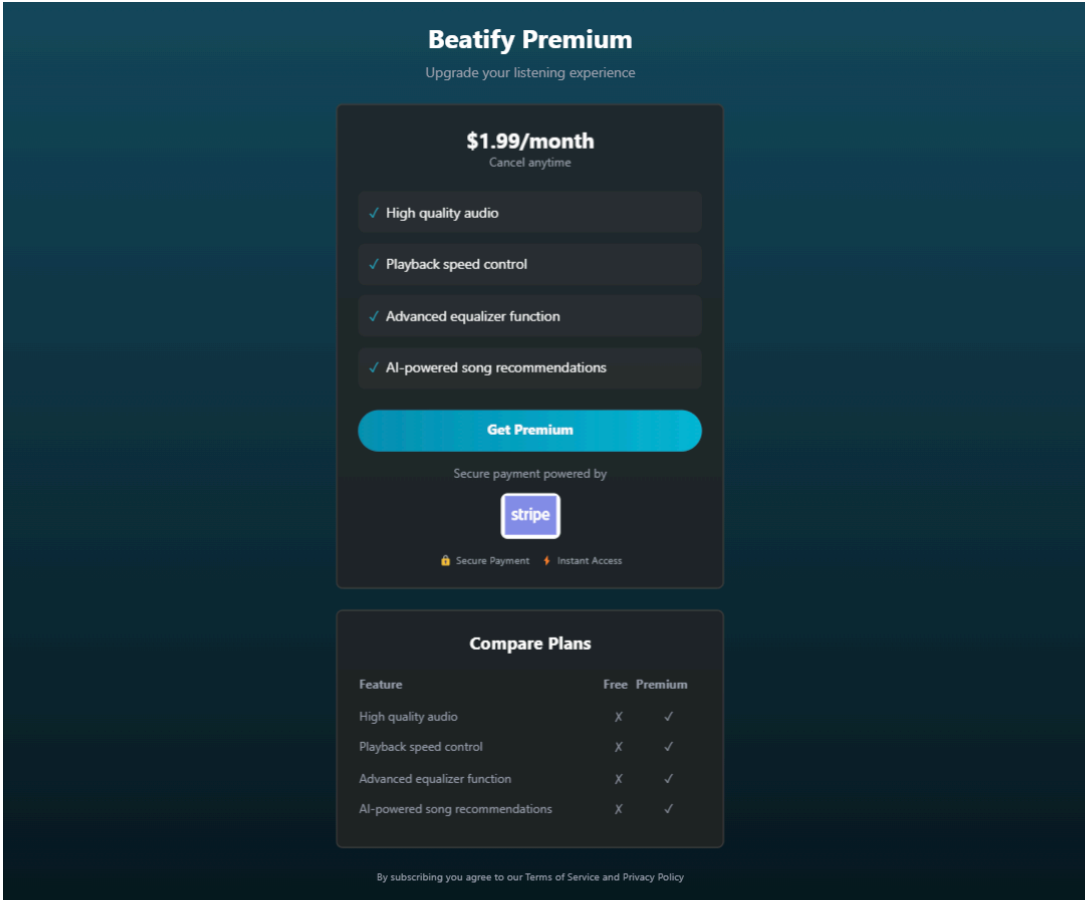
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- A "Show all" link allows users to view additional playlists.

**How Users Can Use:**

- 1. View Account Details:**
  - Check their username, role, subscription plan, and account activity details for quick reference.
- 2. Access Playlists:**
  - Click on any playlist card (e.g., "Liked Songs") to view or play songs.
- 3. Explore More Playlists:**
  - Use the "Show all" link to access additional saved playlists.

**2.7 Premium Page**



**Purposes:**

- 1. User Benefits:**
  - Provide users with a clear and compelling reason to upgrade to a premium subscription by outlining benefits such as **high-quality audio, playback speed control, advanced equalizer functions, and AI-powered recommendations.**
  - Ensure the upgrade process is seamless and secure, leveraging trusted payment gateways like Stripe.

**UI Description:**

- 1. Header Section:**
  - **Page Title:** "Beatify Premium" is prominently displayed to emphasize the page's purpose.
  - **Subtitle:** "Upgrade your listening experience" serves as a persuasive tagline to entice users.

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**2. Pricing and Features:**

- Clearly displayed the cost of this feature with the note "Cancel anytime" for flexibility assurance.
- A visually appealing **feature list** with check marks indicating premium benefits.

**3. Call-to-Action Button:**

- A large, bold button labeled "Get Premium" invites users to initiate the upgrade process.
- Positioned directly below the feature list for intuitive navigation.

**4. Payment Security:**

- Displays "Secure payment powered by Stripe" to establish trust.
- Includes icons for "Secure Payment" and "Instant Access" as reassurances.

**5. Comparison Section:**

- **Compare Plans Table:** Side-by-side comparison of Free and Premium plans, highlighting exclusive features for premium users.

**6. Footer Section:**

- **A subtle note:** "By subscribing, you agree to our Terms of Service and Privacy Policy."

**How Users Can Use:**

**1. Explore Features:**

- Users can review the detailed benefits of upgrading to premium via the feature list and comparison table.

**2. Initiate Payment:**

- Click the "Get Premium" button to proceed with the subscription.
- Securely complete the payment process powered by Stripe.

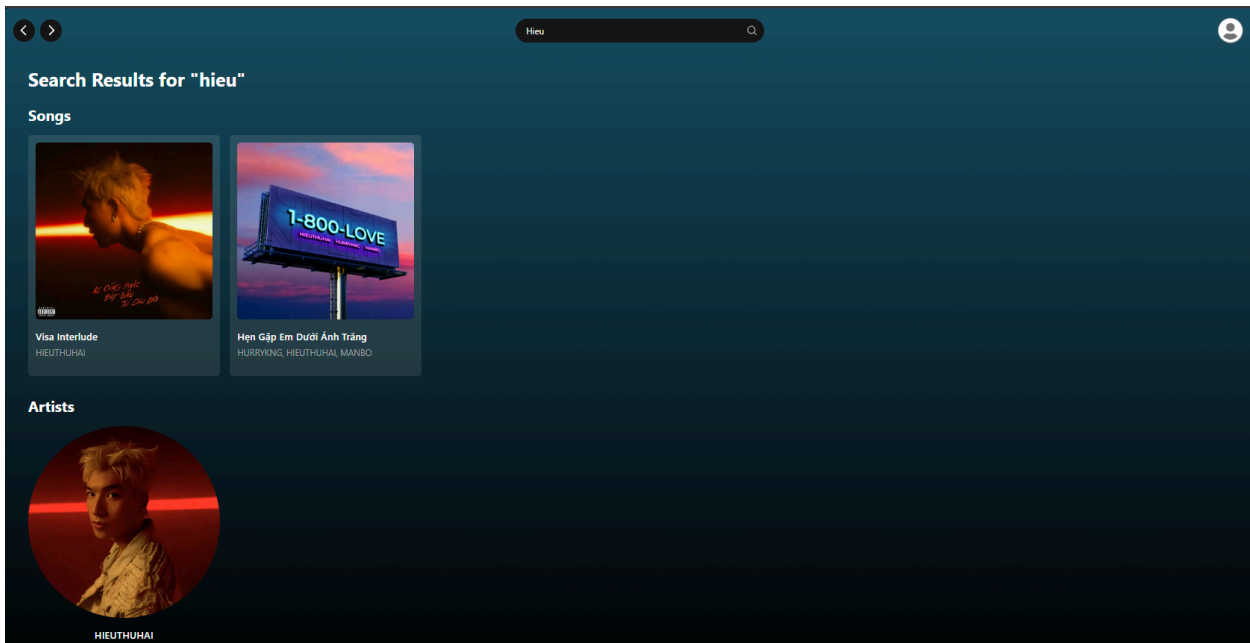
**3. Seamless Transition:**

- Gain instant access to premium features post-payment.

**4. Trust Building:**

- Users feel assured of secure transactions and the flexibility to cancel anytime.

## 2.8 Searching Page



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#### Purposes:

##### 1. Efficient Content Discovery:

- Allow users to quickly find songs, albums, or artists by entering search queries. Display accurate results based on user input, enhancing usability and engagement.

##### 2. User Engagement:

- Encourage users to explore and interact with the platform by offering intuitive navigation and personalized results.

#### UI Description:

##### 1. Header Section:

- **Search Bar:** A clear, centered input field with a magnifying glass icon allows users to type their queries.
- **Page Title:** "Search Results for '[Query]'" is displayed to confirm the user's search and provide context for the results.

##### 2. Search Results Layout:

- **Songs Section:** Display a grid or list of matching songs with album art, title, and artist name beneath each entry.
  - Example:
    - Image of this song.
    - Song Title: "Visa Interlude".
    - Artist: "HIEUTHUHAI".
- **Artists Section:** Show matching artists in a circular thumbnail format with their name displayed below.

#### How Users Can Use:

##### 1. Search for Content:

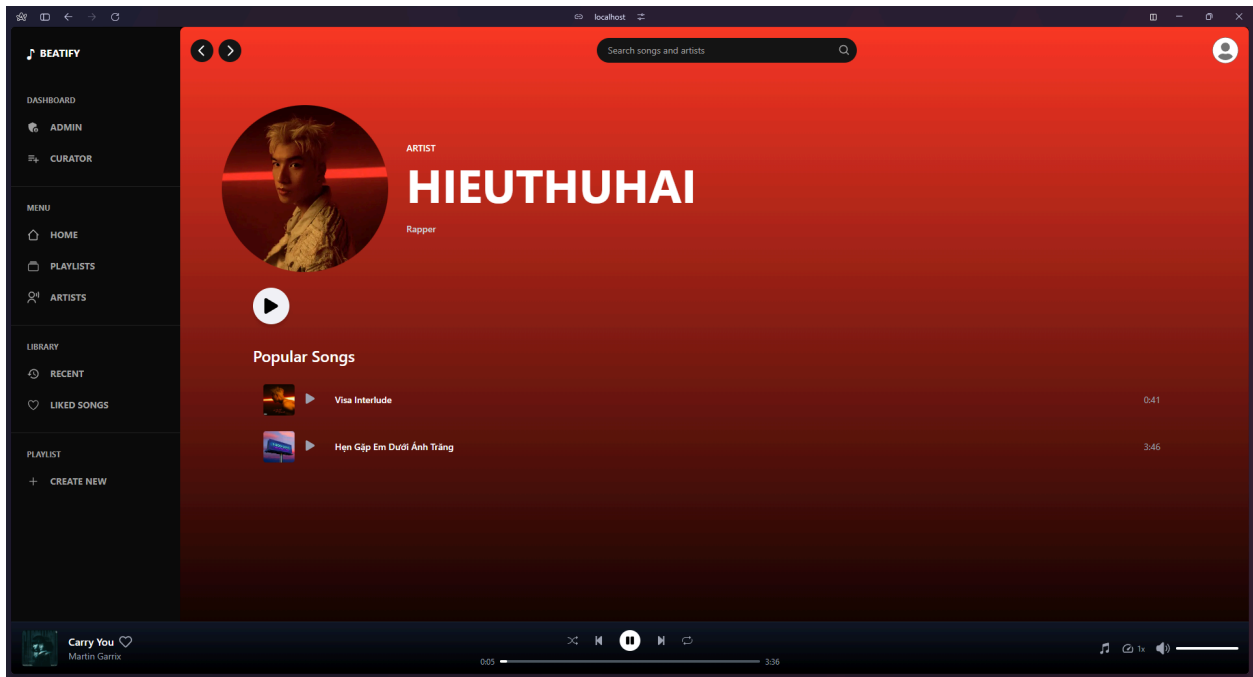
- Enter a query (e.g., a song title or artist name) in the search bar.
- View categorized results, such as "Songs" and "Artists."

##### 2. Explore Results:

- Click on a song or artist to access more details, play music, or view related content.

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## 2.9 Artist page



### Purposes:

1. Showcase the artist's profile and popular songs.
2. Provide quick access to their music with play options.
3. Offer seamless playback control for an immersive experience.
4. Enable easy navigation to explore other app features.

### UI Description:

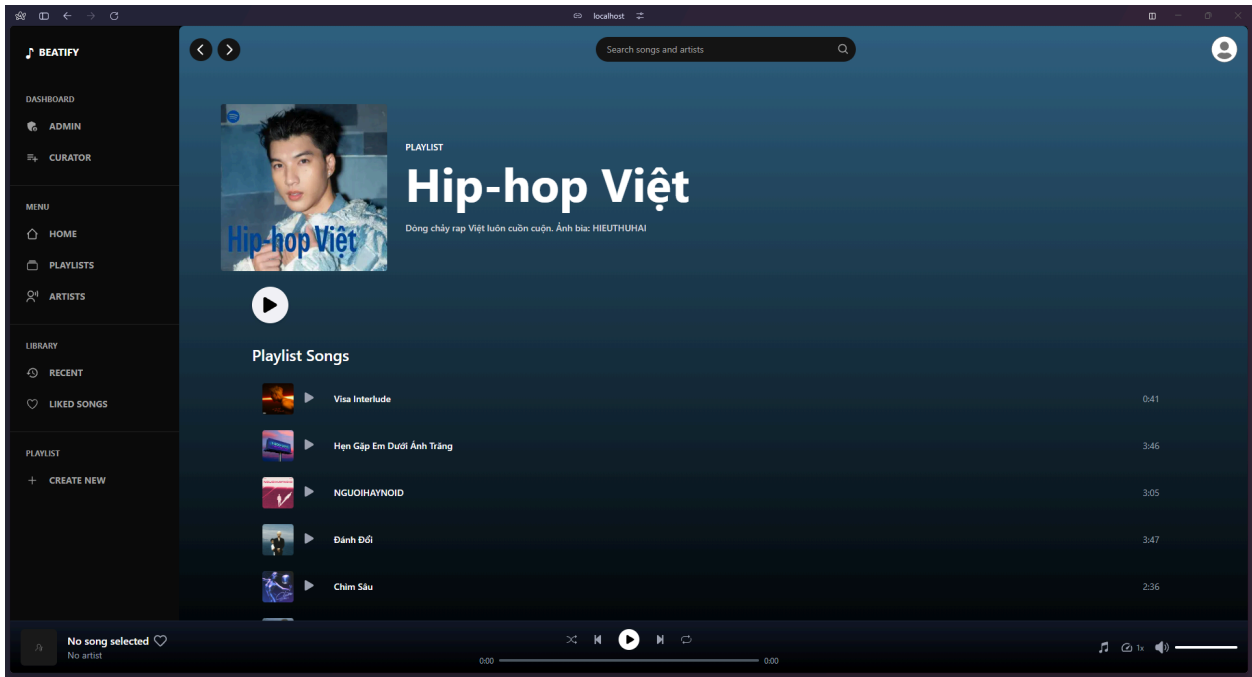
1. **Main Focus Area:**
  - A prominent artist name ("HIEUTHUHAI") with a profile image and designation ("Rapper") displayed against a vibrant gradient background.
  - A play button to instantly play the artist's top songs or playlist.
2. **Popular Songs Section:**
  - A list of the artist's most popular tracks, including:
    - Song titles (e.g., "Visa Interlude," "Hẹn Gặp Em Dưới Ánh Trăng").
    - Individual play buttons for each track.
    - Track durations listed on the right.
3. **Navigation and Library (Left Sidebar):**
  - Standard menu with options like Home, Playlists, Artists, Recent, and Liked Songs.
  - Dashboard-specific options like Admin and Curator.
4. **Playback Controls (Bottom Panel):**
  - Shows the currently playing song ("Carry You" by Martin Garrix) with playback controls for play/pause, skip, shuffle, and repeat.
  - Volume control and playback speed adjustment on the far right.
5. **Search Bar (Top Center):**
  - Users can search for songs or artists globally within the app.
6. **Profile Icon (Top Right):**
  - Likely for accessing account settings or user profile.

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How Users Can Use:

- 1. **Explore Artist Content:**
  - View the artist's profile image and details to understand their music style.
  - Play all top tracks using the main play button or select individual songs.
- 2. **Listen to Popular Songs:**
  - Click on any track in the "Popular Songs" section to play it instantly.
- 3. **Control Playback:**
  - Use the bottom panel to manage the current track or adjust volume and playback speed.
- 4. **Navigation and Search:**
  - Switch between other parts of the app using the sidebar or search for additional content using the search bar.

2.10 Playlist page



Purposes:

- 1. Highlight a curated playlist, including its name, description, and cover art.
- 2. Allow users to play the entire playlist or individual songs.
- 3. Display the track list with titles, durations, and play buttons for easy access.
- 4. Enable seamless playback controls and navigation through the app.

UI Description:

- 1. **Playlist Details Section (Top):**
  - **Playlist Title:** "Hip-hop Việt" is prominently displayed.
  - **Cover Image:** Showcases the playlist's theme and design.
  - **Description:** Briefly describes the playlist's vibe ("Dòng chảy rap Việt luôn cuộn cuộn").
  - **Play Button:** Central button to play all songs in the playlist.
- 2. **Song List Section:**
  - **Track Titles:** A scrollable list of songs in the playlist, each with:

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- Individual play buttons.
- Duration displayed on the right.
- Songs include "Visa Interlude," "Hẹn Gặp Em Dưới Ánh Trăng," etc.
- 3. **Navigation Sidebar (Left):**
  - **Menu Options:** Home, Playlists, Artists, Recent, and Liked Songs.
  - **Playlist Management:** Option to create a new playlist.
- 4. **Playback Controls (Bottom Panel):**
  - Displays the currently playing track ("Carry You" by Martin Garrix).
  - Includes playback options (play/pause, skip, shuffle, repeat) and volume control.
- 5. **Search Bar (Top Center):**
  - Allows users to search for songs, artists, or playlists.
- 6. **Profile Icon (Top Right):**
  - Likely for accessing account settings or user profile.

#### How Users Can Use:

1. **Play the Entire Playlist:**
  - Click the large play button to start the playlist from the first song.
2. **Listen to Individual Songs:**
  - Select a specific song from the list by clicking its play button.
3. **Explore More Content:**
  - Use the sidebar to navigate to other sections like playlists, artists, or recent tracks.
4. **Control Playback:**
  - Use the playback bar at the bottom to pause, skip, adjust volume, or toggle shuffle/repeat.
5. **Search for More Music:**
  - Use the search bar to find new playlists, songs, or artists.
6. **Personalize Playlists:**
  - Click Create New under "Playlist" to make a custom playlist.

## 2.11 Add artist Page



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## Purpose

1. **Artist Management:** Allows administrators to add, edit, and list information about artists, making data management more convenient.
2. **User Management:** Supports administrators in managing user information through functions for adding and listing users.
3. **Efficient Navigation:** Provides an intuitive interface with a left-side menu for easy access to main features.

## UI Description

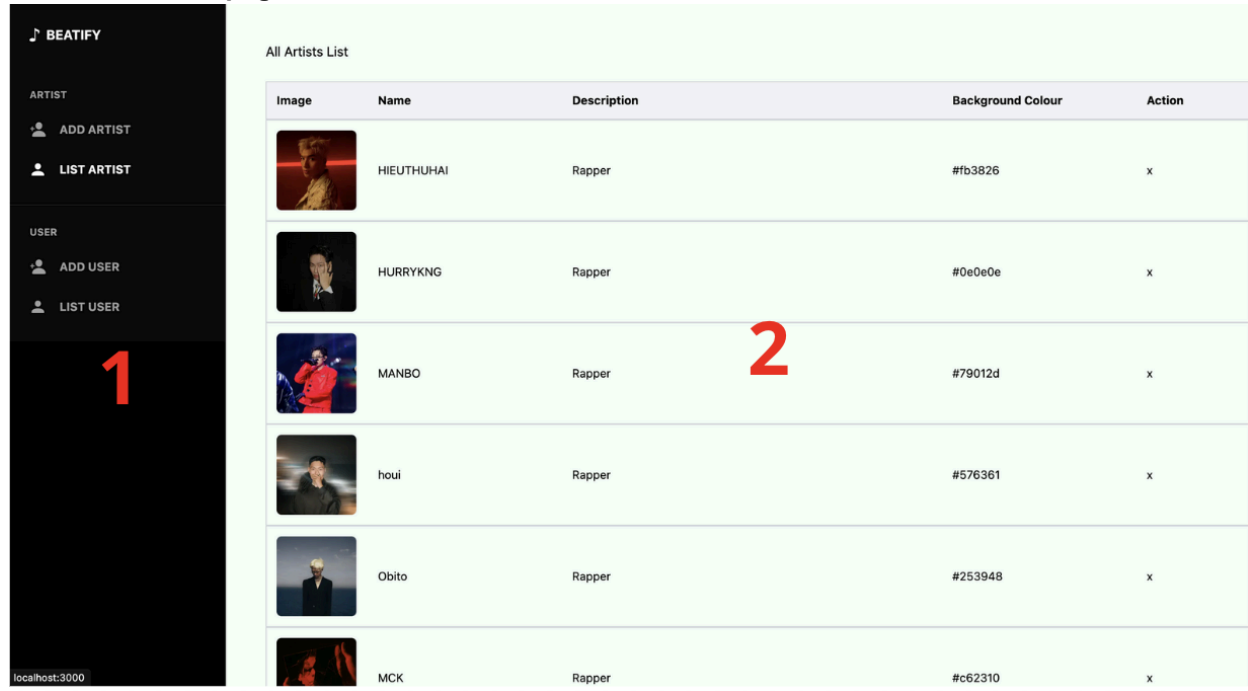
1. **Navigation Menu (Left Panel):**
  - **Artist:**
    - **Add Artist:** Navigate to the form to add new artist information.
    - **List Artist:** View the current list of artists.
  - **User:**
    - **Add User:** Navigate to the form to add new user information.
    - **List User:** View the current list of users.
2. **Main Display Area (Right Panel):**
  - **Upload Image Section:** Area to upload artist images.
  - **Artist Name and Description Fields:** Two input fields for entering the artist's name and description.
  - **Background Colour Selector:** A tool to select a background color for the artist.
  - **Add Button:** A button to save the artist's information after completion.

## How Users Can Use

1. **Add an Artist:**
  - Select **Add Artist** from the left menu.
  - Upload the artist's image, enter the name, description, and choose a background color.
  - Click **Add** to save the artist's information to the database.
2. **List Artists:**
  - Select **List Artist** from the left menu to view the current list of artists.
3. **Manage Users:**
  - Select **Add User** to add a new user.
  - Select **List User** to view the current list of users.

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## 2.12 List artist page



### Purpose

1. **Artist Overview:** Displays a complete list of artists, including detailed information such as images, names, descriptions, and background colors for easy management and editing.
2. **Artist Deletion:** Allows administrators to remove artist information from the list when necessary.
3. **Efficient Data Management:** Provides a clear, easy-to-read table interface for managing artist data.

### UI Description

1. **Navigation Menu (Left Panel):**
  - **Artist:**
    - **Add Artist:** Navigate to the form to add new artist information.
    - **List Artist:** Display the current list of artists.
  - **User:**
    - **Add User:** Navigate to the form to add new user information.
    - **List User:** Display the current list of users.
2. **Main Display Area (Right Panel):**
  - **Artist Table:**
    - **Image:** Displays the artist's profile picture.
    - **Name:** Artist's name.
    - **Description:** Describes the artist's role or field (e.g., Rapper).
    - **Background Colour:** The background color code assigned to the artist.
    - **Action:** "x" button that allows administrators to delete artists from the list.

### How Users Can Use

1. **View Artist List:**
  - Select **List Artist** from the left menu to display the complete list of artists.

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- Review detailed information such as images, names, descriptions, and background color codes.
- 2. **Delete an Artist:**
  - Click the "x" button in the **Action** column to remove unnecessary artists from the list.
- 3. **Navigate to Other Functions:**
  - Use the left menu to add a new artist (**Add Artist**) or access user management functions.

### 2.13 Add user page

#### Purpose

1. **User Registration:** Allows administrators to add new users to the system with basic information such as name, email, password, and role.
2. **Role Assignment:** Helps manage user permissions by assigning roles (e.g., user or administrator) during account creation.
3. **Efficient User Management:** Simplifies the process of adding new users with an intuitive and user-friendly interface.

#### UI Description

1. **Navigation Menu (Left Panel):**
  - **Artist:**
    - **Add Artist:** Navigate to the form to add new artist information.
    - **List Artist:** Display the current list of artists.
  - **User:**
    - **Add User:** Navigate to the form to add new user information.
    - **List User:** Display the current list of users.
2. **Main Display Area (Right Panel):**
  - **Upload Image Section:** Area to upload a profile picture for the new user (optional).

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- **User Information Fields:**
  - **Name:** Input field for entering the user's name.
  - **Email:** Input field for adding the user's email address.
  - **Password:** Input field for setting the user's password.
  - **Role:** Dropdown menu to select the user's role (default is "User").
- **Add User Button:** Button to save the new user's information to the database.

## How Users Can Use

1. **Add a User:**
  - Select **Add User** from the left menu.
  - Upload a profile picture (optional), enter the name, email, password, and choose a role from the dropdown menu.
  - Click **Add User** to save the information.
2. **Navigate Between Functions:**
  - Use the left menu to switch to artist management or view the list of previously added users.

## 2.14 List User Page



## Purpose

1. **User Overview:** Displays a complete list of users, including information such as profile pictures, names, emails, roles, service plans, and available actions.
2. **Account Management:** Allows administrators to delete users who are no longer suitable or manage accounts more easily.
3. **Efficient Role and Plan Monitoring:** Helps track users' roles and service plans for effective analysis and management.

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## UI Description

### 1. Navigation Menu (Left Panel):

- **Artist:**
  - **Add Artist:** Navigate to the form to add new artist information.
  - **List Artist:** Display the current list of artists.
- **User:**
  - **Add User:** Navigate to the form to add new user information.
  - **List User:** Display the current list of users.

### 2. Main Display Area (Right Panel):

- **User List Table:**
  - **Image Column:** Displays the profile picture of each user.
  - **Name Column:** Shows the name of the user.
  - **Email Column:** Displays the user's email address.
  - **Role Column:** Shows the user's role (admin, user).
  - **Plan Column:** Displays the service plan the user is using (premium, free).
  - **Action Column:** "x" button to delete users from the list.

## How Users Can Use

### 1. View User List:

- Select **List User** from the left menu to display the full list of users.
- Monitor details such as roles, emails, and service plans of the users.

### 2. Delete a User:

- Click the "x" button in the **Action** column to remove unnecessary users from the system.

### 3. Switch Between Functions:

- Use the left menu to navigate to artist management functions or add a new user.

## 2.15 Add Song Page

Beatify	Version: 1.0
User Interface Prototype	Date: 03/12/2024

### Purpose

1. **Song Management:** Allows administrators to add new songs to the system with detailed information such as song name, description, playlist, and artist.
2. **Playlist Association:** Supports linking songs to specific playlists for more efficient music library management.
3. **Artist Integration:** Connects songs with artists to maintain consistency and completeness in the database.

### UI Description

1. **Navigation Menu (Left Panel):**
  - **Song:**
    - **Add Song:** Navigate to the form to add a new song.
    - **List Song:** Display the current list of songs.
  - **Playlist:**
    - **Add Playlist:** Navigate to the form to create a new playlist.
    - **List Playlist:** Display the current list of playlists.
2. **Main Display Area (Right Panel):**
  - **Upload Section:**
    - **Upload Song:** Allows uploading the song file.
    - **Upload Image:** Upload a cover image for the song.
  - **Song Information Fields:**
    - **Song Name:** Input field to enter the name of the song.
    - **Song Description:** Input field to add a description of the song.
    - **Playlist:** Dropdown menu to select the playlist associated with the song.
    - **Artist:** Dropdown menu to select the artist of the song.
  - **Add Button:** Button to save the song information into the system.

### How Users Can Use

Beatify	Version: 1.0
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1. **Add a Song:**
  - Select **Add Song** from the left menu.
  - Upload the song file and cover image (optional).
  - Enter the song name, description, and select the playlist and artist from the dropdown menus.
  - Click **Add** to save the song into the database.
2. **Associate Song with Playlist and Artist:**
  - During the song addition process, select the playlist and artist from the dropdown menus to link the song with related data.
3. **Navigate Between Functions:**
  - Use the left menu to switch to song or playlist management functions.

## 2.16 List Song Page

All Songs List				
Image	Name	Playlist	Duration	Action
	Visa Interlude	Hip-hop Việt	0:41	x
	Hẹn Gặp Em Dưới Ánh Trăng	Hip-hop Việt	3:46	x
	NGUOIHAYNOID	Hip-hop Việt	3:5	x
	Đánh Đổi	Hip-hop Việt	3:47	x
	Đừng Làm Trái Tim Anh Đau	Thiên Hạ Nghe Gì	4:41	x
	APT.	Thiên Hạ Nghe Gì	2:50	x

### Purpose

1. **Song Overview:** Displays a list of all songs with detailed information such as cover image, song name, playlist, duration, and management actions.
2. **Playlist Categorization:** Easily identifies which playlist a song belongs to, enabling better organization and management of the music library.
3. **Song Deletion:** Allows administrators to remove unnecessary songs from the system.

### UI Description

1. **Navigation Menu (Left Panel):**
  - **Song:**
    - **Add Song:** Navigate to the form to add a new song.
    - **List Song:** Display the current list of songs.

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- **Playlist:**
  - **Add Playlist:** Navigate to the form to create a new playlist.
  - **List Playlist:** Display the current list of playlists.
- 2. **Main Display Area (Right Panel):**
  - **Song List Table:**
    - **Image Column:** Displays the song's cover image.
    - **Name Column:** Shows the name of the song.
    - **Playlist Column:** Displays the name of the playlist the song belongs to.
    - **Duration Column:** Shows the duration of the song.
    - **Action Column:** "x" button to delete the song from the list.

### How Users Can Use

1. **View Song List:**
  - Select **List Song** from the left menu to display the full list of songs.
  - Review details such as cover image, name, playlist, and duration of each song.
2. **Delete a Song:**
  - Click the "x" button in the **Action** column to remove unnecessary songs from the system.
3. **Switch Between Functions:**
  - Use the left menu to add new songs or manage playlists.

### 2.17 Add playlist Page

The screenshot shows the 'Add Playlist' page. On the left, a dark sidebar contains a menu with options like 'SONG', 'ADD SONG', 'LIST SONG', 'PLAYLIST', 'ADD PLAYLIST', and 'LIST PLAYLIST'. A large red number '1' is overlaid on the sidebar. The main area has a light green background. It contains an 'Upload Image' section with a dashed box and an 'Upload' button. Below that is a 'Playlist name' text input field. Then a 'Playlist description' text input field. At the bottom, there is a 'Background Colour' section with a color picker showing a dark grey color and an 'ADD' button. A large red number '2' is overlaid on the right side of the form area.

### Purpose

1. **Playlist Management:** Allows administrators to create new playlists with detailed information such as name, description, and background color.
2. **Visual Customization:** Supports customizing playlist appearance with unique background color options.



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3. **Efficient Playlist Organization:** Enhances the ability to organize and manage the music library by creating playlists.

## UI Description

### 1. Navigation Menu (Left Panel):

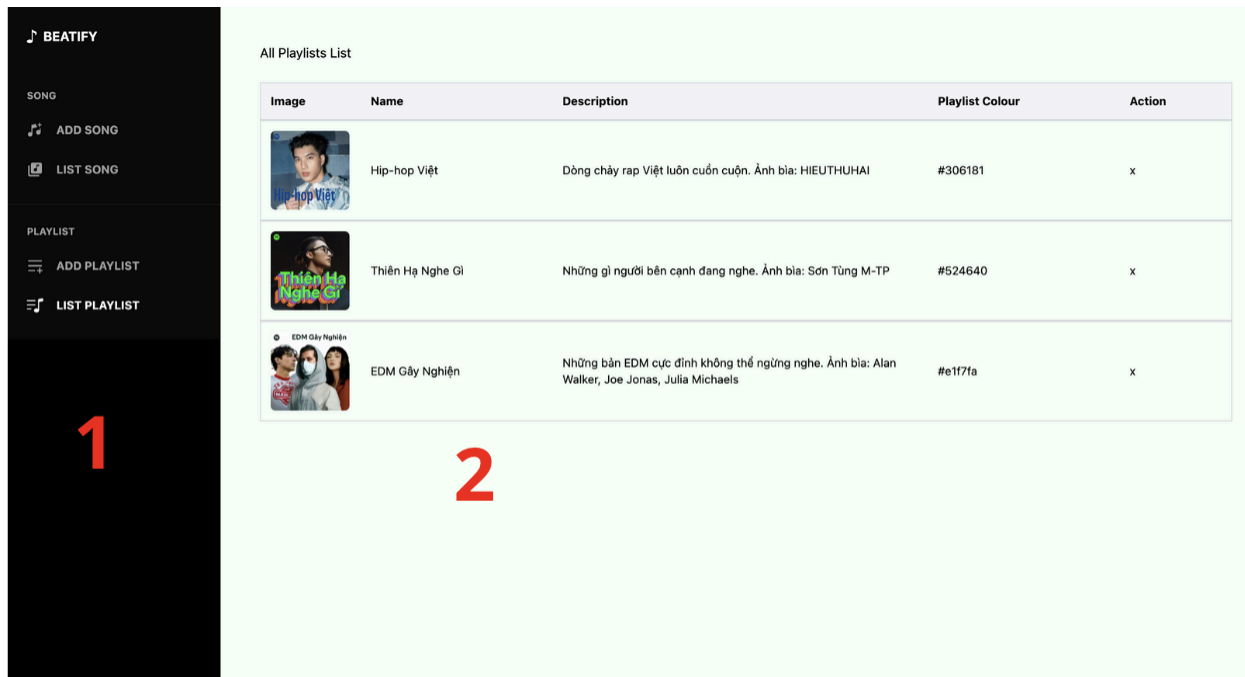
- **Song:**
    - **Add Song:** Navigate to the form to add a new song.
    - **List Song:** Display the current list of songs.
  - **Playlist:**
    - **Add Playlist:** Navigate to the form to create a new playlist.
    - **List Playlist:** Display the current list of playlists.
- ### 2. Main Display Area (Right Panel):
- **Upload Section:**
    - **Upload Image:** Area to upload a cover image for the playlist.
  - **Playlist Information Fields:**
    - **Playlist Name:** Input field to enter the playlist's name.
    - **Playlist Description:** Input field to add a description for the playlist.
    - **Background Colour:** Color picker to set a background color for the playlist.
  - **Add Button:** Button to save the playlist into the system.

## How Users Can Use

1. **Create a Playlist:**
  - Select **Add Playlist** from the left menu.
  - Upload a cover image (optional), enter the playlist name and description, and select a suitable background color.
  - Click **Add** to save the new playlist.
2. **Navigate Between Functions:**
  - Use the left menu to switch to adding songs or viewing the current list of playlists.

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## 2.18 List playlist Page



### Purpose

1. **Playlist Overview:** Displays a list of all playlists with detailed information such as images, names, descriptions, and background colors.
2. **Playlist Customization:** Provides the ability to manage and edit playlists based on current information.
3. **Playlist Deletion:** Allows administrators to remove unnecessary playlists to keep the music library organized.

### UI Description

1. **Navigation Menu (Left Panel):**
  - **Song:**
    - **Add Song:** Navigate to the form to add a new song.
    - **List Song:** Display the current list of songs.
  - **Playlist:**
    - **Add Playlist:** Navigate to the form to create a new playlist.
    - **List Playlist:** Display the current list of playlists.
2. **Main Display Area (Right Panel):**
  - **Playlist List Table:**
    - **Image Column:** Displays the cover image of the playlist.
    - **Name Column:** Shows the name of the playlist.
    - **Description Column:** Displays the description of the playlist.
    - **Playlist Colour Column:** Shows the background color code of the playlist.
    - **Action Column:** "x" button to delete the playlist from the system.

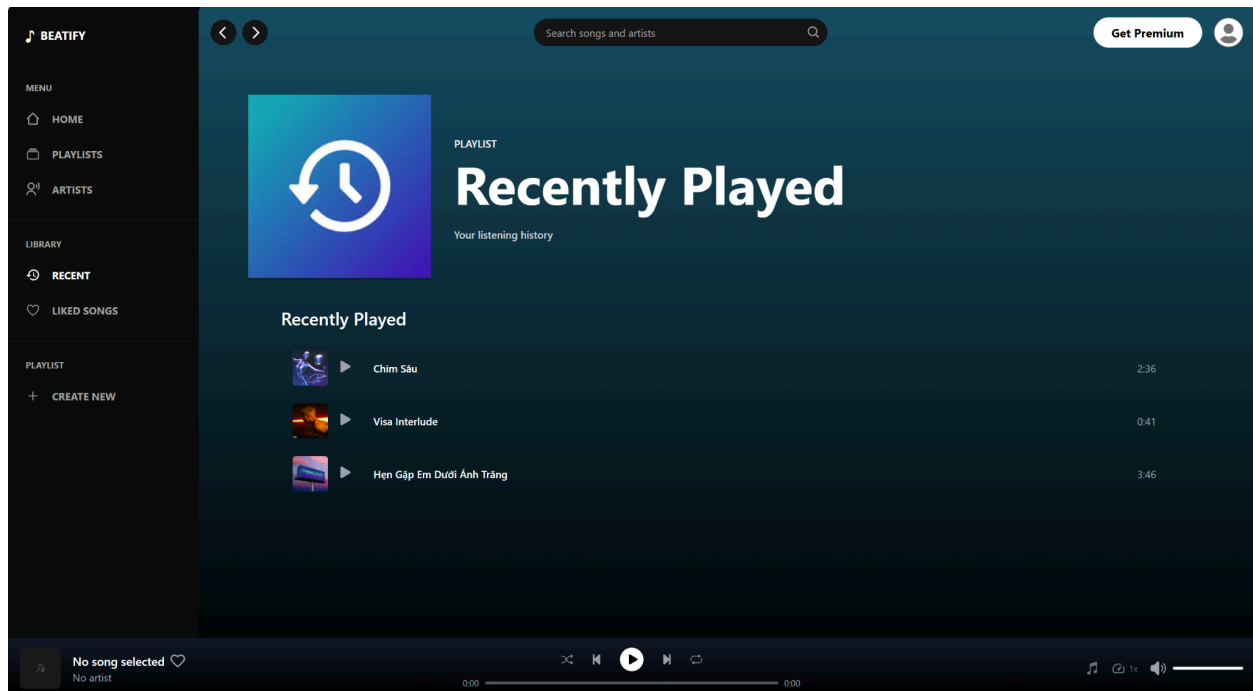
### How Users Can Use

1. **View Playlist List:**

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- Select **List Playlist** from the left menu to display all playlists.
- Review detailed information such as images, names, descriptions, and color codes for each playlist.
- 2. **Delete a Playlist:**
  - Click the "x" button in the **Action** column to remove unnecessary playlists from the system.
- 3. **Switch Between Functions:**
  - Use the left menu to add a new playlist or manage the current list of songs.

## 2.19 Recently Played



### Purpose:

1. Displays a chronological list of songs, albums, and playlists the user recently listened to, with detailed information like album cover, song name, artist, and duration.
2. Helps users quickly revisit or resume playback of their favorite recently played tracks.

### UI Description:

#### 1. Navigation Menu (Left Panel)

- Located on the left side of the screen, the menu includes the following items:
  - **Home:** Takes users back to the main dashboard.
  - **Playlists:** Navigate to all user-created playlists.
  - **Artists:** Access a list of followed or favorite artists.
  - **Recent:** Highlights the **Recently Played** section.
  - **Liked Songs:** Navigates to the list of liked tracks.
  - **Create New:** Opens an interface to create a new playlist.

#### 2. Main Display Area (Right Panel)

- **Header Section:**
  - A bold title, "**Recently Played**", is displayed prominently at the top of the panel.
  - The **clock icon** reinforces the concept of a listening history section.

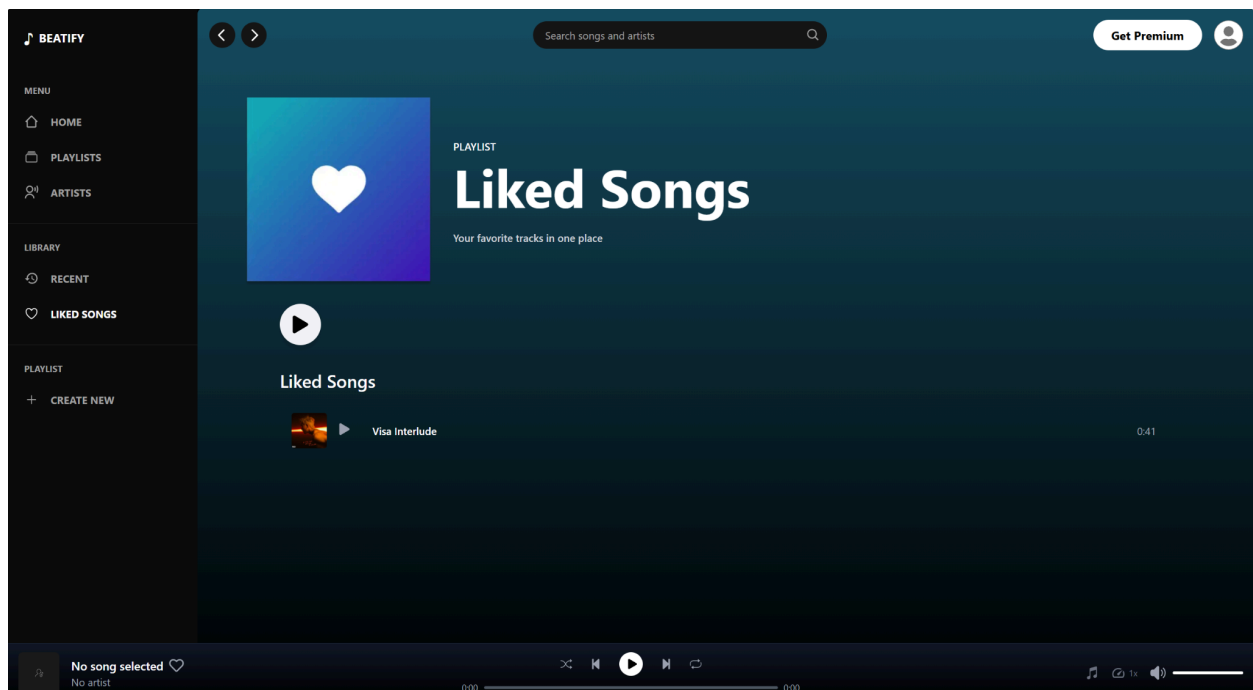
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- A brief subtitle, "**Your listening history**", provides context for the section.
- **Recently Played List:**
  - Songs, albums, or playlists the user recently listened to are displayed in a vertical list format.
  - Each row includes:
    - **Image Column:** A thumbnail of the album cover or playlist artwork.
    - **Name Column:** Displays the name of the song, album, or playlist.
    - **Duration Column:** Shows the duration of each song on the far-right.
- **Playback Bar (Bottom Panel):**
  - A sticky playback bar at the bottom of the screen displays the currently playing song.
  - Includes controls for play/pause, skip, volume adjustment, and shuffle/repeat options.

## How Users Can Use

1. View Recently Played List:
  - Select **Recent** from the left menu to navigate to the listening history page.
  - Review a chronological list of songs, albums, or playlists with detailed information such as cover images, song, artist names and durations.
2. Play a Recently Played Song:
  - Locate the desired song in the list.
  - Click the **play button** in the Action column to start playing the song immediately.

### 2.20 Liked Songs



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## Purpose

1. Provides an organized collection of the user's favorite or "liked" tracks, with easy options to play, sort, and manage their library.
2. Offers features to filter and organize liked songs for a more personalized music experience.

## UI description

### 1. Navigation Menu (Left Panel)

- The menu remains consistent across sections, allowing users to navigate to:
  - **Liked Songs:** Highlights the user's favorite tracks.
  - Other sections, such as **Recently Played**, **Playlists**, or **Artists**.

### 2. Main Display Area (Right Panel)

- **Header Section:**
  - The **title, "Liked Songs,"** is written in bold and paired with a glowing heart icon to signify this is a collection of favorite tracks.
  - A subtitle below the header reads: **"Your favorite tracks in one place"**, briefly explaining the purpose of the section.
  - A large **Play All Button** (play icon) is displayed directly under the header, allowing users to shuffle and play all liked songs at once.
- **Liked Songs List:**
  - A vertical list of all liked songs is presented with the following columns:
    - **Image Column:** Displays the song's album artwork.
    - **Name Column:** Shows the name of the song.
    - **Duration Column:** Displays the song length on the far-right.
- **Playback Bar (Bottom Panel):**
  - The sticky playback bar at the bottom of the screen provides controls to play, pause, skip, shuffle, or repeat the current track.

## How Users Can Use

### 1. View Liked Songs List

- Navigate to the **"Liked Songs"** option in the left-hand menu.
- The **Liked Songs** section will display a list of all tracks you've liked, showing:
  - Cover images for each song.
  - Song names.
  - Artist names and song durations.

### 2. Play Liked Songs

- To listen to all liked songs:
  - Click the **Large Play button** (located under the header) to shuffle and play your entire Liked Songs collection.
- To play a specific song:
  - Click on the **song name** or hover over the song and click the **play button (▶)** to start playback instantly.

### 3. Unlike or Remove a Song

- Locate the song you want to remove from your Liked Songs list.

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- Click the **heart icon (♥)** next to the song to unlike and remove it from the collection.