KrystalRhythm - A Music streaming app

Introduction

KrystalRhythm is an innovative music streaming app that leverages artificial intelligence and user preferences to deliver a personalized and immersive musical experience. This documentation provides an overview of the application's structure, key files, and functionality.

2. Folder Structure

Static: Contains CSS files and other static assets for styling the web pages.
Templates: Holds HTML templates for rendering dynamic content.
app.py: Contains the business logic and routes required for the application.
models.py: Defines the necessary database tables and relationships between them.
api.py: Handles the API routes for the application.

3. Key Files and Components

app.py

This file houses the business logic of the application and defines the necessary routes. It interacts with the database models, processes user requests, and renders dynamic content using the templates.

models.py

Here, the database models are defined, capturing the essential tables and their relationships. This file establishes the structure for storing user data, playlists, and other relevant information.

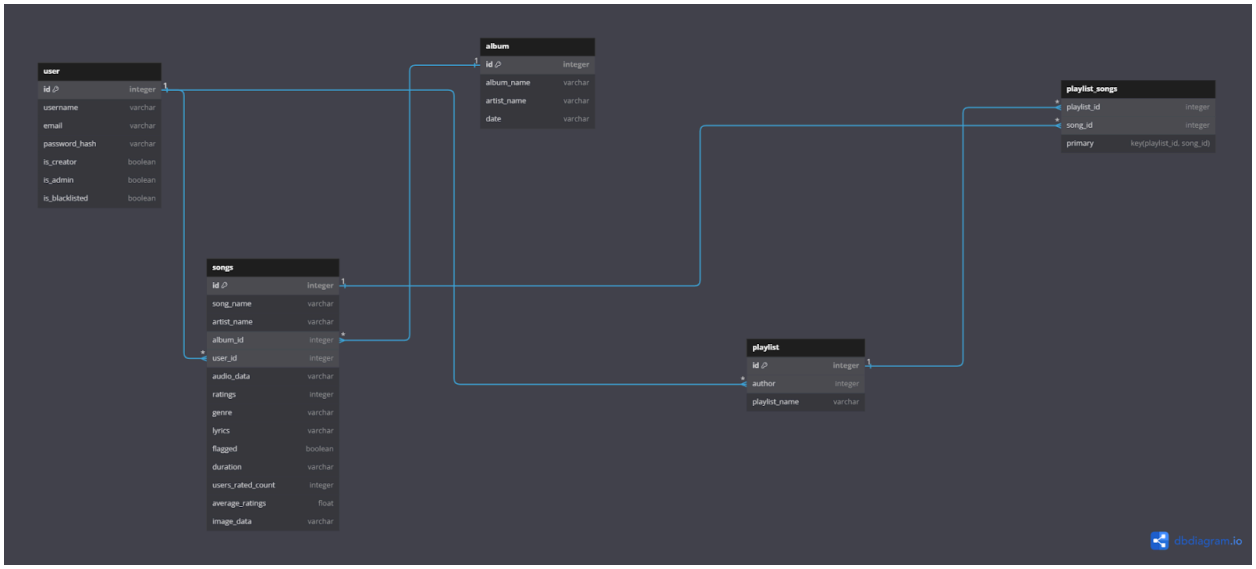
api.py

Responsible for handling API routes, this file ensures smooth communication between the frontend and backend. It may utilize frameworks like Flask-RESTful for creating RESTful APIs.

Static and Templates

The static folder contains styling assets (CSS files), while the templates folder stores HTML templates for rendering dynamic content. These contribute to the visual appeal and user interface of KrystalRhythm.

4.Table schema:



Summarize:

- `Playlist` has a one-to-many relationship with `User`.
- `Songs` has a many-to-one relationship with both `Album` and `User`.
- `Playlist` and `Songs` have a many-to-many relationship.

5. Conclusion

KrystalRhythm, with its innovative features and cutting-edge technology, stands out as a must-have for music lovers seeking a personalized and immersive sonic adventure. This documentation serves as a guide for understanding the application's structure, key components, and functionalities.

Presentation link: bandicam 2024-01-24 17-26-42-925.mp4