Sangeet- A Music Streaming Application

Project Author

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About Me: - I am an enthusiastic student who has a strong enthusiasm for programming and web development. I am a committed learner in the field of computer science thanks to his desire to learn and experiment with new technologies.

Project Descriptions: -

Sangeet is a Music Streaming Application. Sangeet Provides three spaces to its clients. User Space, Creator Space, Admin Space as per their roles. In User Space, a user can stream any music. add to its playlist and even like or flag songs as favourites. In Creator Space, a creator can perform All (CRUD) operations on his/her created songs and albums., plus he can generate reports as well. In Admin Space, Admin has a full privilege to perform All (CRUD) operations all songs and albums. He/she has even access to generate pdf/html reports via mail or simple download and swagger API documentation as well.

Technologies used:-

Vue.js Framework- For creating dynamic web pages.

CSS/ Bootstrap/Tailwindcss:- For styling all the pages

TinyMCE Editor :- A Rich Text Editor for creating and maintaining lyrics style.

Flask: - For writing all the backend business logic

Flask-SQL Alchemy: - For creating database and storing data in it

SQLite: - Database vendor

Flask Security/Werkzeug:- User authentication and authorization, password hashing

Celery/Celery-Beats:- Running Jobs in Background Asynchronously /Periodic Task Scheduling

MailHog:- An SMTP Server for Mail Testing

Redis DB :- Caching App Data
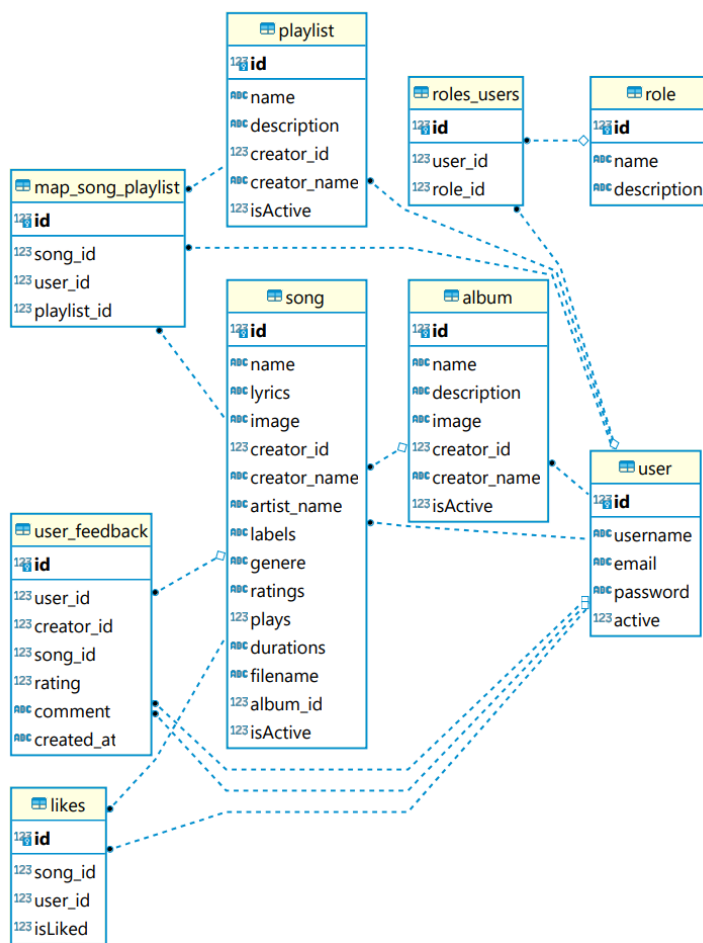
Swagger UI:- For API Documentation

Architecture and Features

- Show Booking Application is an MVC Driven API based Architecture based on

Flask and Vuejs framework and powered by SQLite Database

- Models :- Song, Album,Playlist,User,Likes,UserFeedback,MapSongPlaylist,Roles,RoleUsers

- Controller:- songController, albumController, mainController, stastsController ,likeController, jobController, feedbackController,swaggerController and their respective business logic are kept in these separate files

- Views :- For UI we are using Vuejs framework. All the components and routes are kept in a file called static

Database Schema ER Diagram

Video Link:-

https://drive.google.com/file/d/1_XHiT3aK4RYAqA84Jqn0BGZO2ej9SIn-/view?usp=sharing