



Architecture

The file structure of the project and the contents of each folder inside the main folder is as given below:

application → main application files

db_directory → sqlite3 database file

static → images, audio, bootstrap files, CSS & JavaScript components

templates → html files

The folder also contains the main app file and a requirements.txt file which includes all the libraries necessary to run the project.

Features

For users:

- User registration and login functionality to enable personalized experiences for users.
- User dashboard providing access to curated playlists, favourite tracks, and recently played songs.
- Search functionality enabling users to discover music by song titles, artists, albums, or genres and further filtering them by ratings, genres, etc.
- Playlist creation and management, allowing users to create, edit, and delete playlists tailored to their preferences.
- Song playback controls including play, pause, volume adjustment and song autoplay for an immersive listening experience.
- Artist profiles showcasing biographies and discographies for users to explore.
- Album browsing functionality allowing users to discover albums by their favourite artists or explore new releases.
- Daily reminders to log in to the app

For Creators:

- Artist registration and login functionality for managing artist profiles and music submissions.
- Artist dashboard providing access to performance metrics.
- Creator profile management allowing artists to update their personal information, and profile picture.
- Music submission feature enabling artists to upload and publish their songs and albums.
- Song and album management allowing artists to edit track details, album artwork, and release dates.
- Ability to collaborate with a number of different artists in each song published
- Monthly reports to creators highlighting their progress in the month

For Administrators:

- Admin dashboard providing access to platform-wide analytics, user data, and content management tools.
- Content moderation tools enabling review, flagging and removal of content based on the website's code of conduct.
- Reporting and analytics tools providing insights into platform usage and user engagement metrics.

Video

The demo for the application is at the following location:

<https://drive.google.com/file/d/1NkC8-RVrPZLQeMcDVP3tIW8tFi3AI18b/view?usp=sharing>