Tot Musica

**(MAD II – Music Streaming App)**

ABOUT THE PROJECT

The application is a multi-user music platform. Users can play music, read lyrics, rate songs, and create playlists. Creators contribute by adding new songs, albums, and lyrics, with albums containing multiple songs, and the system showcases the latest or highly-rated content. Admin has functionality to flag or delete songs and albums.

TECHNOLOGY USED:

* Python: programming language to drive the development stack
* HTML: for developing the web page
* Bootstrap: to make the frontend appealing and easily navigate
* Vue: used for frontend rendering in the app
* SQLite: database for storing users, songs, albums, playlist relational data
* Flask: a web framework for building the web application backend
* Flask-SQLAlchemy: used ORM for streamlined management of databases

ARCHITECTURE AND FEATURES

* User authentication: Signup, Login and Admin Login
* Admin dashboard: To monitor performance and metrics
* User dashboard: To navigate through platform features
* Creator Profile: To customise and edit user profile
* Search Functionality: To search songs/albums/playlists
* Song management: To enable creator to edit/delete songs and albums
* Playlist management: To create, edit and delete playlists
* Music analytics: To help creator analyse his/her content performance

DB SCHEMA

A screenshot of a computer

Description automatically generated

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Description automatically generated

ABOUT MYSELF:

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