

FINAL PROJECT (ASSIGNMENT 6)

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ODEAL DISCOGRAPHY

The Odeal Discography application is a web-based interface for accessing Odeal's music catalogue. The system uses an SQLite database to store essential information about Odeal's discography, including albums, songs, lyrics, collaborations, and user preferences such as favourite songs. It is intended to provide an easy and interactive way for users to explore Odeal's music, save their favourite tracks, and discover collaborations.

The web interface is built using Flask, a Python web framework, and follows a user-centric approach by including user authentication, personalised data access, and dynamic content rendering.

STRUCTURE

- **User:** This table stores user information, including user_id, user_name, and password. It is used for authentication, allowing users to log in and access their personal data.
- **Album:** Each album includes details, such as album_id, album_name, release_date, and producer. Each album is uniquely identified by album_id.
- **Song:** stores details about the song, such as song_id, song_title, duration, album_id, track_number, and producer. Each song is associated with an album through album_id.
- **Lyrics:** Stores the lyrics of songs, using song_id as a foreign key to relate each set of lyrics to a specific song.

- **Collaborations:** This section tracks collaborations with other artists. It contains `collab_id`, `song_id`, and `artist_name`. Each record links a song to an external artist involved in the collaboration. A song can have multiple collabs and a collab artist can have multiple songs with odeal.
- **Favourites:** Stores users' favourite songs, including `favourite_id`, `song_id`, `song_title`, `user_id`, and an indication of whether it is currently marked as a favourite.

