

Title: Music Management System

Overview: To manage user accounts, songs, playlists, and user roles, the Music Management System is a web application developed with Flask, SQLAlchemy, and Flask-Login. Users can manage their music library, upload songs, make playlists, and register and log in. An admin panel also makes it easier to oversee material and control users.

Features:

1. Authentication of Users:

- User and admin registration and login.
- Use bcrypt for secure password hashing.
- The difference between administrators and other users.

2. Functionality for Users:

- Continual User:
 - Provide music files with information.
 - Make, access, and maintain playlists.
 - Look up tunes.
 - Modify the profile's options.
- Maker User:
 - Preserves standard user attributes.
 - An extra right to remove tracks that have been posted.

3. Admin Functions:

- Having access to an admin dashboard for content and user management.
- The first admin user was created.
- User management: adding, changing, and removing users.

4. Songwriting and Arranging:

- Song titles, artists, and optional lyrics should be uploaded.
- Support for many audio file types during upload.
- Song associations with playlists and users.

5. Organizing Playlists:

- Playlist creation, deletion, and modification.
- Linking different tracks to different playlists.

Use Cases:

1. Authentication and User Registration:

- New users can sign up using distinct email addresses.
- Users who have registered can safely log in.

2. Song Management and Uploading:

- Songs with details can be uploaded by users, including creators.
- Artists can remove music they have posted.

3. Creating and Managing Playlists:

- Music can be added to and created by users as playlists.
- Removing playlists eliminates connections to certain songs.

4. Administrative Supervision:

- User accounts are manageable by admins.
- Monitoring user behavior and content administration.