1. Users

- id (BIGINT UNSIGNED, PRIMARY KEY, AUTO\_INCREMENT)

- username (VARCHAR(255), UNIQUE, NOT NULL)

- email (VARCHAR(255), UNIQUE, NOT NULL)

- password (VARCHAR(255), NOT NULL)- role (ENUM('admin', 'user', 'writer'), DEFAULT 'user')

- avatar (VARCHAR(255), NULL)

- bio (TEXT, NULL)- status (ENUM('active', 'banned', 'deleted'), DEFAULT 'active')

- created\_at (TIMESTAMP, DEFAULT CURRENT\_TIMESTAMP)

- updated\_at (TIMESTAMP, DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP)

- deleted\_at (TIMESTAMP, NULL)

2. Artists

- id (BIGINT UNSIGNED, PRIMARY KEY, AUTO\_INCREMENT)

- real\_name (VARCHAR(255), NOT NULL)

- artist\_name (VARCHAR(255), NOT NULL)- bio (TEXT, NULL)

- artist\_avatar (VARCHAR(255), NULL)

- artist\_cover (VARCHAR(255), NULL)

- created\_at (TIMESTAMP, DEFAULT CURRENT\_TIMESTAMP)

- updated\_at (TIMESTAMP, DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP)

- deleted\_at (TIMESTAMP, NULL)

3. Albums

- id (BIGINT UNSIGNED, PRIMARY KEY, AUTO\_INCREMENT)

- title (VARCHAR(255), NOT NULL)

- artist\_id (BIGINT UNSIGNED, FOREIGN KEY REFERENCES artists(id) ON DELETE CASCADE)

- release\_date (DATE, NULL)

- album\_type (ENUM('single', 'ep', 'album'), NOT NULL)

- created\_at (TIMESTAMP, DEFAULT CURRENT\_TIMESTAMP)

- updated\_at (TIMESTAMP, DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP)

- deleted\_at (TIMESTAMP, NULL)

4. Songs

- id (BIGINT UNSIGNED, PRIMARY KEY, AUTO\_INCREMENT)

- title (VARCHAR(255), NOT NULL)

- album\_id (BIGINT UNSIGNED, FOREIGN KEY REFERENCES albums(id) ON DELETE CASCADE)

- duration (INT, NULL)- created\_at (TIMESTAMP, DEFAULT CURRENT\_TIMESTAMP)

- updated\_at (TIMESTAMP, DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP)

- deleted\_at (TIMESTAMP, NULL)

5. Articles

- id (BIGINT UNSIGNED, PRIMARY KEY, AUTO\_INCREMENT)

- title (VARCHAR(255), NOT NULL)

- content (LONGTEXT, NOT NULL)- news\_layout (VARCHAR(255), NOT NULL)

- status (ENUM('public', 'pending', 'deleted'), DEFAULT 'pending')

- created\_at (TIMESTAMP, DEFAULT CURRENT\_TIMESTAMP)

- updated\_at (TIMESTAMP, DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP

- deleted\_at (TIMESTAMP, NULL)

6. Music\_Votes

- id (BIGINT UNSIGNED, PRIMARY KEY, AUTO\_INCREMENT)

- song\_id (BIGINT UNSIGNED, FOREIGN KEY REFERENCES songs(id) ON DELETE CASCADE)

- user\_id (BIGINT UNSIGNED, FOREIGN KEY REFERENCES users(id) ON DELETE CASCADE)

- rating (INT(1), CHECK (rating BETWEEN 1 AND 5))

- comment (TEXT, NULL)

- created\_at (TIMESTAMP, DEFAULT CURRENT\_TIMESTAMP)

- updated\_at (TIMESTAMP, DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP)

- deleted\_at (TIMESTAMP, NULL)

7. Article\_Reviews

- id (BIGINT UNSIGNED, PRIMARY KEY, AUTO\_INCREMENT)

- article\_id (BIGINT UNSIGNED, FOREIGN KEY REFERENCES songs(id) ON DELETE CASCADE)

- user\_id (BIGINT UNSIGNED, FOREIGN KEY REFERENCES users(id) ON DELETE CASCADE)

- rating (INT(1), CHECK (rating BETWEEN 1 AND 5))

- comment (TEXT, NULL)

- created\_at (TIMESTAMP, DEFAULT CURRENT\_TIMESTAMP)

- updated\_at (TIMESTAMP, DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP)

- deleted\_at (TIMESTAMP, NULL)

8. Playlists

- id (BIGINT UNSIGNED, PRIMARY KEY, AUTO\_INCREMENT)

- title (VARCHAR(255), NOT NULL)

- description (TEXT, NULL)

- playlist\_category (VARCHAR(255), NULL)

- created\_at (TIMESTAMP, DEFAULT CURRENT\_TIMESTAMP)

- updated\_at (TIMESTAMP, DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP)

- deleted\_at (TIMESTAMP, NULL)

9. Playlist\_Songs

- id (BIGINT UNSIGNED, PRIMARY KEY, AUTO\_INCREMENT)

- playlist\_id (BIGINT UNSIGNED, FOREIGN KEY REFERENCES playlists(id) ON DELETE CASCADE)

- song\_id (BIGINT UNSIGNED, FOREIGN KEY REFERENCES songs(id) ON DELETE CASCADE)

- created\_at (TIMESTAMP, DEFAULT CURRENT\_TIMESTAMP)

- updated\_at (TIMESTAMP, DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP)

10. Artist\_Song

- id (BIGINT UNSIGNED, PRIMARY KEY, AUTO\_INCREMENT)

- artist\_id (BIGINT, FOREIGN KEY REFERENCES artists(id) ON DELETE CASCADE)

- song\_id (BIGINT, FOREIGN KEY REFERENCES songs(id) ON DELETE CASCADE)

- role (ENUM('singer', 'composer', 'producer')

- created\_at (TIMESTAMP, DEFAULT CURRENT\_TIMESTAMP)

- updated\_at (TIMESTAMP, DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP)

-- Users Table

CREATE TABLE Users (

id CHAR(36) PRIMARY KEY,

username VARCHAR(255) UNIQUE NOT NULL,

email VARCHAR(255) UNIQUE NOT NULL,

password VARCHAR(255) NOT NULL,

role ENUM('admin', 'user', 'writer') DEFAULT 'user',

avatar VARCHAR(255) NULL,

bio TEXT NULL,

status ENUM('active', 'banned', 'deleted') DEFAULT 'active',

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

updated\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP,

deleted\_at TIMESTAMP NULL

);

-- Artists Table

CREATE TABLE Artists (

id CHAR(36) PRIMARY KEY,

real\_name VARCHAR(255) NOT NULL,

artist\_name VARCHAR(255) NOT NULL,

bio TEXT NULL,

artist\_avatar VARCHAR(255) NULL,

artist\_cover VARCHAR(255) NULL,

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

updated\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP,

deleted\_at TIMESTAMP NULL

);

-- Albums Table

CREATE TABLE Albums (

id CHAR(36) PRIMARY KEY,

title VARCHAR(255) NOT NULL,

artist\_id CHAR(36),

release\_date DATE NULL,

album\_type ENUM('single', 'ep', 'album') NOT NULL,

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

updated\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP,

deleted\_at TIMESTAMP NULL,

FOREIGN KEY (artist\_id) REFERENCES Artists(id) ON DELETE CASCADE

);

-- Songs Table

CREATE TABLE Songs (

id CHAR(36) PRIMARY KEY,

title VARCHAR(255) NOT NULL,

album\_id CHAR(36),

duration INT NULL,

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

updated\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP,

deleted\_at TIMESTAMP NULL,

FOREIGN KEY (album\_id) REFERENCES Albums(id) ON DELETE CASCADE

);

-- Categories Table

CREATE TABLE Categories (

id CHAR(36) PRIMARY KEY,

name VARCHAR(255) NOT NULL UNIQUE,

description TEXT NULL,

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

updated\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP

);

-- Articles Table

CREATE TABLE Articles (

id CHAR(36) PRIMARY KEY,

title VARCHAR(255) NOT NULL,

content LONGTEXT NOT NULL,

news\_layout VARCHAR(255) NOT NULL,

status ENUM('public', 'pending', 'deleted') DEFAULT 'pending',

category\_id CHAR(36),

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

updated\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP,

deleted\_at TIMESTAMP NULL,

FOREIGN KEY (category\_id) REFERENCES Categories(id) ON DELETE SET NULL

);

-- Music Votes Table

CREATE TABLE Music\_Votes (

id CHAR(36) PRIMARY KEY,

song\_id CHAR(36),

user\_id CHAR(36),

rating INT CHECK (rating BETWEEN 1 AND 5),

comment TEXT NULL,

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

updated\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP,

deleted\_at TIMESTAMP NULL,

FOREIGN KEY (song\_id) REFERENCES Songs(id) ON DELETE CASCADE,

FOREIGN KEY (user\_id) REFERENCES Users(id) ON DELETE CASCADE

);

-- Article Reviews Table

CREATE TABLE Article\_Reviews (

id CHAR(36) PRIMARY KEY,

article\_id CHAR(36),

user\_id CHAR(36),

rating INT CHECK (rating BETWEEN 1 AND 5),

comment TEXT NULL,

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

updated\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP,

deleted\_at TIMESTAMP NULL,

FOREIGN KEY (article\_id) REFERENCES Articles(id) ON DELETE CASCADE,

FOREIGN KEY (user\_id) REFERENCES Users(id) ON DELETE CASCADE

);

-- Playlists Table

CREATE TABLE Playlists (

id CHAR(36) PRIMARY KEY,

title VARCHAR(255) NOT NULL,

description TEXT NULL,

playlist\_category VARCHAR(255) NULL,

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

updated\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP,

deleted\_at TIMESTAMP NULL

);

-- Playlist Songs Table

CREATE TABLE Playlist\_Songs (

id CHAR(36) PRIMARY KEY,

playlist\_id CHAR(36),

song\_id CHAR(36),

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

updated\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP,

FOREIGN KEY (playlist\_id) REFERENCES Playlists(id) ON DELETE CASCADE,

FOREIGN KEY (song\_id) REFERENCES Songs(id) ON DELETE CASCADE

);

-- Artist Song Table

CREATE TABLE Artist\_Song (

id CHAR(36) PRIMARY KEY,

artist\_id CHAR(36),

song\_id CHAR(36),

role ENUM('singer', 'composer', 'producer'),

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

updated\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP,

FOREIGN KEY (artist\_id) REFERENCES Artists(id) ON DELETE CASCADE,

FOREIGN KEY (song\_id) REFERENCES Songs(id) ON DELETE CASCADE

);