

# Database Schema - Music Magazine

## ### 1. Database Tables

### #### 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)

### #### 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 (BOOLEAN, DEFAULT FALSE)

### #### 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)

#### #### Songs

- id (BIGINT UNSIGNED, PRIMARY KEY, AUTO\_INCREMENT)
- title (VARCHAR(255), NOT NULL)
- artist\_id (BIGINT UNSIGNED, FOREIGN KEY REFERENCES artists(id) ON DELETE CASCADE)
- 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)

#### #### Reviews

- 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)

#### #### 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)

#### #### 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)

#### #### News

- 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)

[illegible]