-- Create Database

CREATE DATABASE IDB;

USE IDB;

-- Table: Users (who write reviews)

CREATE TABLE Users (

user\_id INT AUTO\_INCREMENT PRIMARY KEY,

username VARCHAR(100) NOT NULL,

email VARCHAR(150) UNIQUE

);

-- Table: Movies

CREATE TABLE Movies (

movie\_id INT AUTO\_INCREMENT PRIMARY KEY,

title VARCHAR(200) NOT NULL,

release\_year INT,

description TEXT

);

-- Table: Media (movie can have multiple media like video/image)

CREATE TABLE Media (

media\_id INT AUTO\_INCREMENT PRIMARY KEY,

movie\_id INT,

media\_type ENUM('Video', 'Image') NOT NULL,

url VARCHAR(255),

FOREIGN KEY (movie\_id) REFERENCES Movies(movie\_id)

);

-- Table: Genres

CREATE TABLE Genres (

genre\_id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(100) UNIQUE NOT NULL

);

-- Junction Table: Movie-Genre (many-to-many)

CREATE TABLE MovieGenres (

movie\_id INT,

genre\_id INT,

PRIMARY KEY (movie\_id, genre\_id),

FOREIGN KEY (movie\_id) REFERENCES Movies(movie\_id),

FOREIGN KEY (genre\_id) REFERENCES Genres(genre\_id)

);

-- Table: Reviews (each review belongs to a user & movie)

CREATE TABLE Reviews (

review\_id INT AUTO\_INCREMENT PRIMARY KEY,

movie\_id INT,

user\_id INT,

rating INT CHECK (rating BETWEEN 1 AND 10),

comment TEXT,

FOREIGN KEY (movie\_id) REFERENCES Movies(movie\_id),

FOREIGN KEY (user\_id) REFERENCES Users(user\_id)

);

-- Table: Artists (actors, directors etc.)

CREATE TABLE Artists (

artist\_id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(150) NOT NULL

);

-- Table: Skills (singing, acting, dancing, direction)

CREATE TABLE Skills (

skill\_id INT AUTO\_INCREMENT PRIMARY KEY,

skill\_name VARCHAR(100) UNIQUE NOT NULL

);

describe table Skills

-- Junction Table: Artist-Skills (many-to-many)

CREATE TABLE ArtistSkills (

artist\_id INT,

skill\_id INT,

PRIMARY KEY (artist\_id, skill\_id),

FOREIGN KEY (artist\_id) REFERENCES Artists(artist\_id),

FOREIGN KEY (skill\_id) REFERENCES Skills(skill\_id)

);

-- Table: Roles (actor, director, producer)

CREATE TABLE Roles (

role\_id INT AUTO\_INCREMENT PRIMARY KEY,

role\_name VARCHAR(100) UNIQUE NOT NULL

);

-- Junction Table: Movie-Artist-Role (artist can perform multiple roles in same film)

CREATE TABLE MovieArtistRoles (

movie\_id INT,

artist\_id INT,

role\_id INT,

PRIMARY KEY (movie\_id, artist\_id, role\_id),

FOREIGN KEY (movie\_id) REFERENCES Movies(movie\_id),

FOREIGN KEY (artist\_id) REFERENCES Artists(artist\_id),

FOREIGN KEY (role\_id) REFERENCES Roles(role\_id)

);





