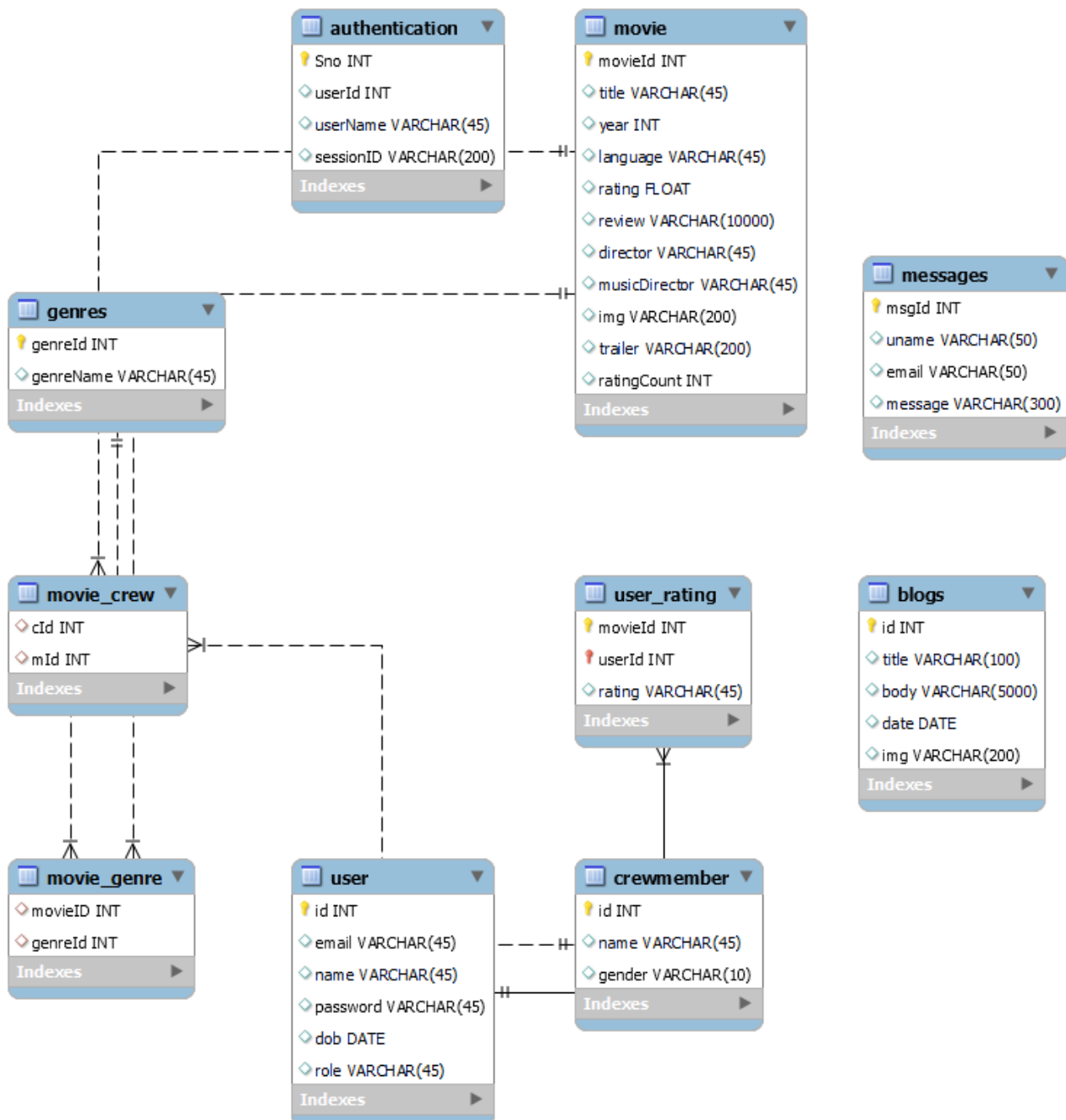# MYSQL DATABASE

DB NAME:

moviewdb

TABLES:

1. authentication
2. blogs
3. crewmember
4. genres
5. messages
6. movie
7. movie_crew
8. movie_genre
9. user
10. user_rating

REVERSE ENGINEERING

authentication
- Sno INT
- userId INT
- userName VARCHAR(45)
- sessionID VARCHAR(200)
- Indexes

movie
- movieId INT
- title VARCHAR(45)
- year INT
- language VARCHAR(45)
- rating FLOAT
- review VARCHAR(10000)
- director VARCHAR(45)
- musicDirector VARCHAR(45)
- img VARCHAR(200)
- trailer VARCHAR(200)
- ratingCount INT
- Indexes

messages
- msgId INT
- uname VARCHAR(50)
- email VARCHAR(50)
- message VARCHAR(300)
- Indexes

genres
- genreId INT
- genreName VARCHAR(45)
- Indexes

movie_crew
- cId INT
- mId INT
- Indexes

user_rating
- movieId INT
- userId INT
- rating VARCHAR(45)
- Indexes

blogs
- id INT
- title VARCHAR(100)
- body VARCHAR(5000)
- date DATE
- img VARCHAR(200)
- Indexes

movie_genre
- movieID INT
- genreId INT
- Indexes

user
- id INT
- email VARCHAR(45)
- name VARCHAR(45)
- password VARCHAR(45)
- dob DATE
- role VARCHAR(45)
- Indexes

crewmember
- id INT
- name VARCHAR(45)
- gender VARCHAR(10)
- Indexes

FORWARD ENGINEERING

```sql
-- MySQL Script generated by MySQL Workbench

-- Mon Jun 20 21:35:17 2022

-- Model: New Model    Version: 1.0

-- MySQL Workbench Forward Engineering


SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0;

SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0;

SET @OLD_SQL_MODE=@@SQL_MODE,
SQL_MODE='ONLY_FULL_GROUP_BY,STRICT_TRANS_TABLES,NO_ZERO_IN_DATE,NO_ZERO_DATE,ERROR_FOR_
DIVISION_BY_ZERO,NO_ENGINE_SUBSTITUTION';


-- -------------------------------------------------

-- Schema mydb

-- -------------------------------------------------

-- -------------------------------------------------

-- Schema moviewdb

-- -------------------------------------------------



-- -------------------------------------------------

-- Schema moviewdb

-- -------------------------------------------------

CREATE SCHEMA IF NOT EXISTS `moviewdb` DEFAULT CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci ;

USE `moviewdb` ;


-- -------------------------------------------------

-- Table `moviewdb`.`authentication`

-- -------------------------------------------------

CREATE TABLE IF NOT EXISTS `moviewdb`.`authentication` (

  `Sno` INT NOT NULL AUTO_INCREMENT,

  `userId` INT NULL DEFAULT NULL,

  `userName` VARCHAR(45) NULL DEFAULT NULL,

  `sessionID` VARCHAR(200) NULL DEFAULT NULL,

  PRIMARY KEY (`Sno`))
```

```sql
ENGINE = InnoDB
AUTO_INCREMENT = 14
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;



-- -----------------------------------------------------
-- Table `moviewdb`.`blogs`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `moviewdb`.`blogs` (
  `id` INT NOT NULL AUTO_INCREMENT,
  `title` VARCHAR(100) NULL DEFAULT NULL,
  `body` VARCHAR(5000) NULL DEFAULT NULL,
  `date` DATE NULL DEFAULT NULL,
  `img` VARCHAR(200) NULL DEFAULT 'https://source.unsplash.com/random/720x400/?movies',
  PRIMARY KEY (`id`))
ENGINE = InnoDB
AUTO_INCREMENT = 11
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;



-- -----------------------------------------------------
-- Table `moviewdb`.`crewmember`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `moviewdb`.`crewmember` (
  `id` INT NOT NULL,
  `name` VARCHAR(45) NULL DEFAULT NULL,
  `gender` VARCHAR(10) NULL DEFAULT NULL,
  PRIMARY KEY (`id`))
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;
```

```sql
-- -----------------------------------------------------
-- Table `moviewdb`.`genres`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `moviewdb`.`genres` (
  `genreId` INT NOT NULL,
  `genreName` VARCHAR(45) NULL DEFAULT NULL,
  PRIMARY KEY (`genreId`))
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;


-- -----------------------------------------------------
-- Table `moviewdb`.`messages`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `moviewdb`.`messages` (
  `msgId` INT NOT NULL AUTO_INCREMENT,
  `uname` VARCHAR(50) NULL DEFAULT NULL,
  `email` VARCHAR(50) NULL DEFAULT NULL,
  `message` VARCHAR(300) NULL DEFAULT NULL,
  PRIMARY KEY (`msgId`))
ENGINE = InnoDB
AUTO_INCREMENT = 16
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci
COMMENT = '•';


-- -----------------------------------------------------
-- Table `moviewdb`.`movie`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `moviewdb`.`movie` (
  `movieId` INT NOT NULL AUTO_INCREMENT,
  `title` VARCHAR(45) NULL DEFAULT NULL,
  `year` INT NULL DEFAULT NULL,
  `language` VARCHAR(45) NULL DEFAULT NULL,
```

```sql
  `rating` FLOAT NULL DEFAULT NULL,

  `review` VARCHAR(10000) NULL DEFAULT NULL,

  `director` VARCHAR(45) NULL DEFAULT NULL,

  `musicDirector` VARCHAR(45) NULL DEFAULT NULL,

  `img` VARCHAR(200) NULL DEFAULT NULL,

  `trailer` VARCHAR(200) NULL DEFAULT NULL,

  `ratingCount` INT NULL DEFAULT NULL,

  PRIMARY KEY (`movieId`))

ENGINE = InnoDB

AUTO_INCREMENT = 5

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4_0900_ai_ci;




-- -------------------------------------------------

-- Table `moviewdb`.`movie_crew`

-- -------------------------------------------------

CREATE TABLE IF NOT EXISTS `moviewdb`.`movie_crew` (

  `cId` INT NULL DEFAULT NULL,

  `mId` INT NULL DEFAULT NULL,

  INDEX `mId_idx` (`mId` ASC) VISIBLE,

  INDEX `cId` (`cId` ASC) VISIBLE,

  CONSTRAINT `cId`

    FOREIGN KEY (`cId`)

    REFERENCES `moviewdb`.`crewmember` (`id`),

  CONSTRAINT `mId`

    FOREIGN KEY (`mId`)

    REFERENCES `moviewdb`.`movie` (`movieId`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4_0900_ai_ci;
```

```sql
-- -----------------------------------------------------
-- Table `moviewdb`.`movie_genre`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `moviewdb`.`movie_genre` (
  `movieID` INT NULL DEFAULT NULL,
  `genreId` INT NULL DEFAULT NULL,
  INDEX `genreId_idx` (`genreId` ASC) VISIBLE,
  INDEX `movieId` (`movieID` ASC) VISIBLE,
  CONSTRAINT `genreId`
    FOREIGN KEY (`genreId`)
    REFERENCES `moviewdb`.`genres` (`genreId`),
  CONSTRAINT `movieId`
    FOREIGN KEY (`movieID`)
    REFERENCES `moviewdb`.`movie` (`movieId`))
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;




-- -----------------------------------------------------
-- Table `moviewdb`.`user`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `moviewdb`.`user` (
  `id` INT NOT NULL AUTO_INCREMENT,
  `email` VARCHAR(45) NULL DEFAULT NULL,
  `name` VARCHAR(45) NULL DEFAULT NULL,
  `password` VARCHAR(45) NULL DEFAULT NULL,
  `dob` DATE NULL DEFAULT NULL,
  `role` VARCHAR(45) NULL DEFAULT 'user',
  PRIMARY KEY (`id`))
ENGINE = InnoDB
AUTO_INCREMENT = 17
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;
```

```sql
-- -----------------------------------------------------
-- Table `moviewdb`.`user_rating`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `moviewdb`.`user_rating` (
  `movieId` INT NOT NULL,
  `userId` INT NOT NULL,
  `rating` VARCHAR(45) NULL DEFAULT NULL,
  PRIMARY KEY (`userId`, `movieId`),
  INDEX `userId_idx` (`userId` ASC) VISIBLE,
  CONSTRAINT `userId`
    FOREIGN KEY (`userId`)
    REFERENCES `moviewdb`.`user` (`id`))
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;


SET SQL_MODE=@OLD_SQL_MODE;
SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS;
SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS;
```