Requirement

According to the database design made by you, the movie database includes multiple tables. In particular, you need to consider seven tables: users, movies, taginfo, genres, ratings, tags, hasagenre. In this phase, you must create these tables and load the corresponding data into these tables.

1. The description of the tables is as follows. You should also check the requirement in the given graphic description:

users: userid (int, primary key), name (text)

movies: movieid (integer, primary key), title (text)

taginfo: tagid (int, primary key), content (text)

genres: genreid (integer, primary key), name (text)

ratings: userid (int, foreign key), movieid (int, foreign key), rating (numeric), timestamp (bigint, seconds since midnight Coordinated Universal Time (UTC) of January 1, 1970)

tags: userid (int, foreign key), movieid (int, foreign key), tagid (int, foreign key), timestamp (bigint, seconds since midnight Coordinated Universal Time (UTC) of January 1, 1970).

hasagenre: movieid (int, foreign key), genreid (int, foreign key)

2. The requirement only tells you the name and data type of each attribute in each table. You need to figure out the primary keys, foreign keys, constraints or other necessary settings by yourself. The key information in the requirement is not complete and attributes can be primary keys and foreign keys at the same time.

Remarks

1. All table names and attribute names must **be in lowercase letters and exactly same with the specification**.

2. You can use COPY FROM / INSERT to load data and test your tables but don't put it in the submission.

3. **Your SQL script should NOT contain the commands to create database, change database or set encoding. Please do not use any commands to change Postgres DB settings.** This may crash the grading environment! Your script should just simply create tables. I will decide the working database and all other parameters.

Test data

We provide some test data for you to try. The delimiter of all files is "%". But the grading system will use more test data and test cases to try your SQL script.

Data link:

https://github.com/jiayuasu/Coursera-ASU-Database/tree/master/course1/assignment1/exampleinput (Links to an external site.)

Submission

Submit a single plain text file “solution.sql”