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Our final project for CST 324 – Database Systems and Design is a database that holds movie information. It is similar to IMDB and shares many of the same attributes. However, we cannot speculate on the similarity of the databases’ designs because we do not have access to IMDB’s database architecture. The main table in our database is the Movies table, which has a data for the movie id, movie title, content rating, release date, and runtime. Other tables we have in the database include information about the director, ratings, trailers, genres, languages, writers, and actors.

We got the data to populate this database from the IMDB API. We wrote a program using C# that loops through movie ids and concatenates them into the API URL, requesting a JSON object for each movie. We then parsed the JSON into strings for each movie attribute using a custom class. Then we generated SQL insert and check statements for each table and wrote the statements to a file. That file, with the generated SQL insert statements for our data, is then executed in Microsoft SQL manager to populate the tables in the database.

Instructions for use:

* Open the “Tables.sql” file in Microsoft SQL Manager and execute it to create the tables.
* Open the “Views.sql” file in Microsoft SQL Manager and execute it to create the views.
* Open the “Inserts.sql” file in Microsoft SQL Manager and execute it to populate the database.
* Open the “Querries.sql” file in Microsoft SQL Manager and execute individual queries for examples of queries and data.