Graph Database Exercise

Suppose that you are starting a movie recommendation site. Your main goal is not only to provide information about movies, but also offer personalized movie recommendations to the registered users. You have decided that **graph database** is the most suitable database for you to store and maintain your movie recommendation data due to its capability of maintaining complex relationships between entities.

When storing and managing the movie information, there are several things that you have to take into consideration:

- Each movie has one or more genres. n. 类型
- A person that is involved in a movie can be an actor, director, producer, or scriptwriter.
- Each movie contains ratings.
- The site is only accessible by registered users.
- Users can mark which movies they have watched.
- The system can keep track of how many times a movie has been watched by a specific user.
- Users are able to view movie information and rate a movie.
- Users are able to add a specific genre as their favorite genre.

Identify the potential **entities** and **relationships**, together with some sample properties, according to the above scenario. You also need to provide an illustration of how the graph will look like in accordance to your identified entities and relationships.

THE END