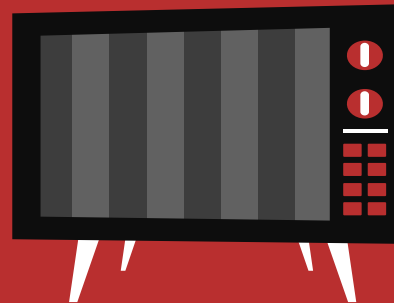# STREAMING SERVICE DATABASE MANAGEMENT

TEAM 11

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OVERVIEW

- Design a database for streaming services such as Amazon Prime, Netflix, Hulu, etc.

- Our aim is to build a database to maintain information across users to store user preferences and provide a better user experience

- Maintain movie attributes such as cast, genre, and title

- Maintain user's favorites, plans, and watch history

PROBLEM STATEMENT

- Streaming platforms need to have a reliable and efficient database system
    - capable of handling a large amount of data
    - including information on users, movies, and viewing history
- Database must effectively manage user profiles, watchlists, and viewing history
- Maintain details on the cast, director, and genre of the content available
- Provide personalized experience by making tailored suggestions to users based on their viewing history and preferences
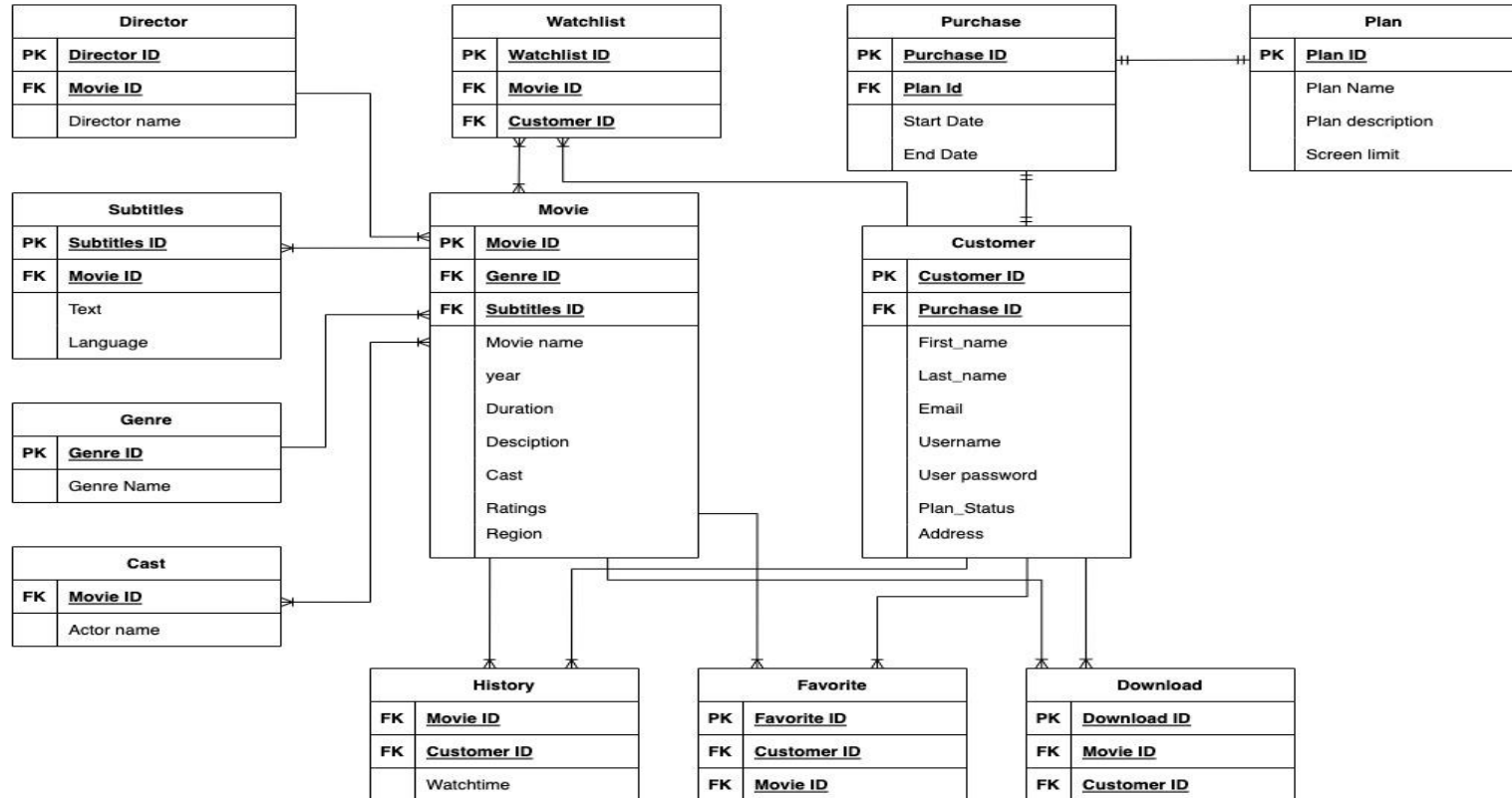
OBJECTIVES

- Maintain information on movies including details on cast, director, genre.
- Match user data and preferences, including watch later, favorite, and history.
- Keep a track of valid paid subscriptions.
- Control access based on subscription plan.
- Limit access to certain content based on the user's location

BUSINESS PROBLEMS ADDRESSED

- Some users tend to share their accounts with multiple people which is a violation of the company's policy. This will cause the company a loss of revenue.
- Users have to browse through several options before finding content that they enjoy. Users that have a hard time finding content that they like are less likely to use our platform
- Each region has regulations on data consumed and several regions have content that is exclusive to them.

ENTITY RELATIONSHIP DIAGRAM

THANK YOU