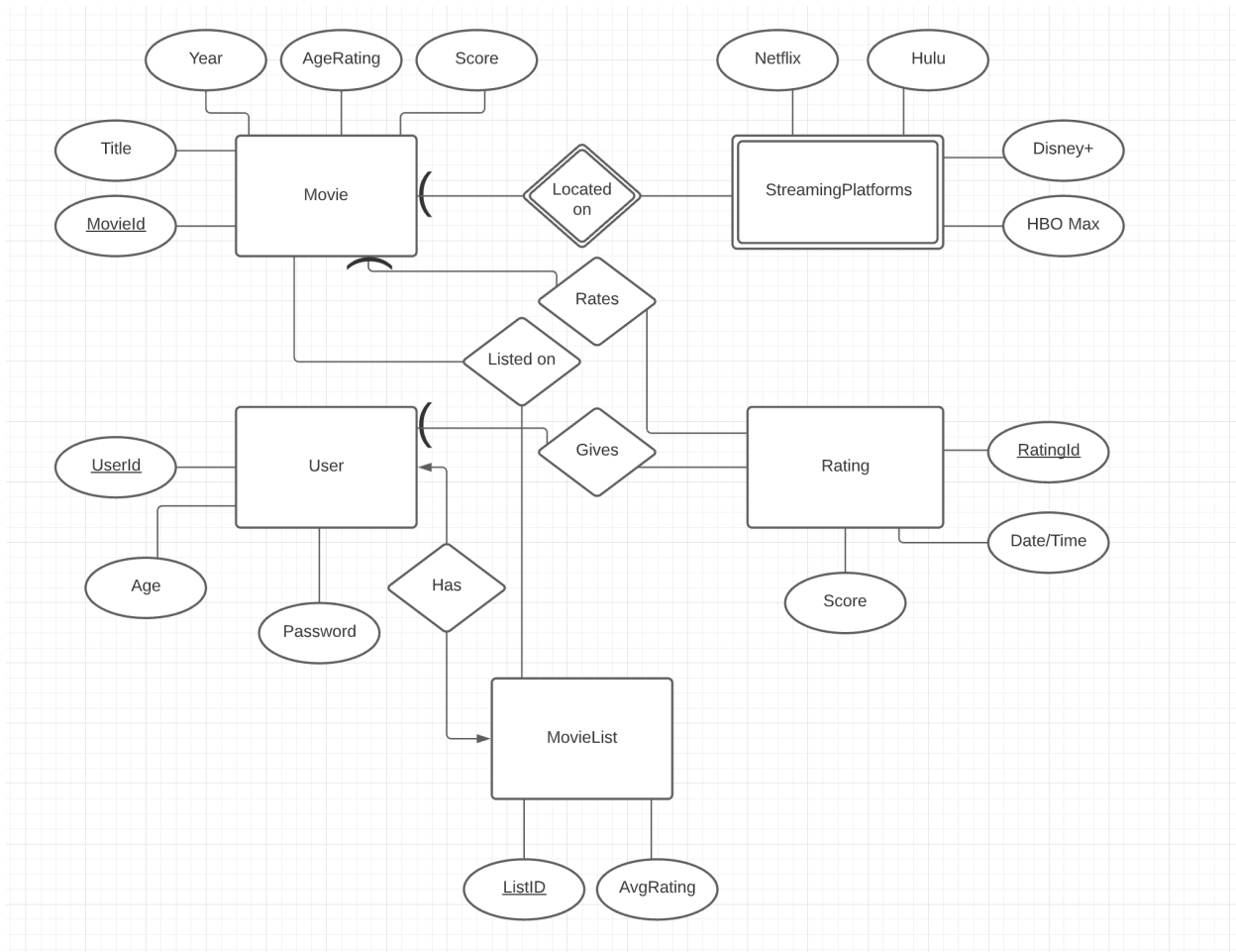# PT1 Stage 2

Entity Description:

We have 5 entities in our ER diagram - Movie, StreamingPlatform, MovieList, User, and Rating.

- A movie is uniquely identified by its movie ID and it also has the attributes title, year, age rating, and score.
- A streaming platforms object is identified by its movie and has attributes Netflix, Hulu, Disney+, and HBO Max that signify whether a move is on the respective platform.
- A movie list is uniquely identified by its list ID and it also has the attribute average rating. This will be used to represent the watch list and black list.

- A user is uniquely identified by its User ID and it also has the attributes Age and Password.
- A rating is uniquely identified by its RatingID and it also has the attributes Date, Time, and Score.

Assumptions for Relationships:

- A rating can have exactly one movie, but a movie can have many ratings.
- A rating can have exactly one user, but a user can give many ratings.
- A movie list has exactly one user, and a user has exactly one movie list too.
- A movie list has many movies and a movie can be included on many movie lists.
- A streaming platform has one movie, while a movie is located on many streaming platforms.

Relational Schema:

Movie(MovieId:INTEGER [PK], Title:VARCHAR(20), Year:INTEGER, AgeRating:VARCHAR(10), Score: INTEGER)

StreamingPlatforms(MovieId:INTEGER [PK] [FK to Movie.MovieId], Netflix:BOOLEAN, Hulu:BOOLEAN, Disney+:BOOLEAN, HBO_Max:BOOLEAN)

User(UserId: INTEGER[PK], Age: INTEGER, Password: VARCHAR(20), BlacklistId[FK to MovieList.ListID], WhitelistId[FK to MovieList.ListID])

Rating(RatingId: INTEGER[PK], Date/Time: VARCHAR(20), Score: INTEGER, MovieId[FK to Movie.MovieID], UserId: [FK to User.UserID])

NEED TO FIND ONE MORE FK FOR MOVIELIST

MovieList(ListId: INTEGER[PK], AvgRating: REAL, UserId: [FK to User.UserID])

ListedOn(MovieId [FK to Movie.MovieId], ListID [FK to MovieList.ListId])

PK: Indicates that the column is a primary key for the table

FK: Indicates that the column is a foreign key referencing the primary key of table.column.