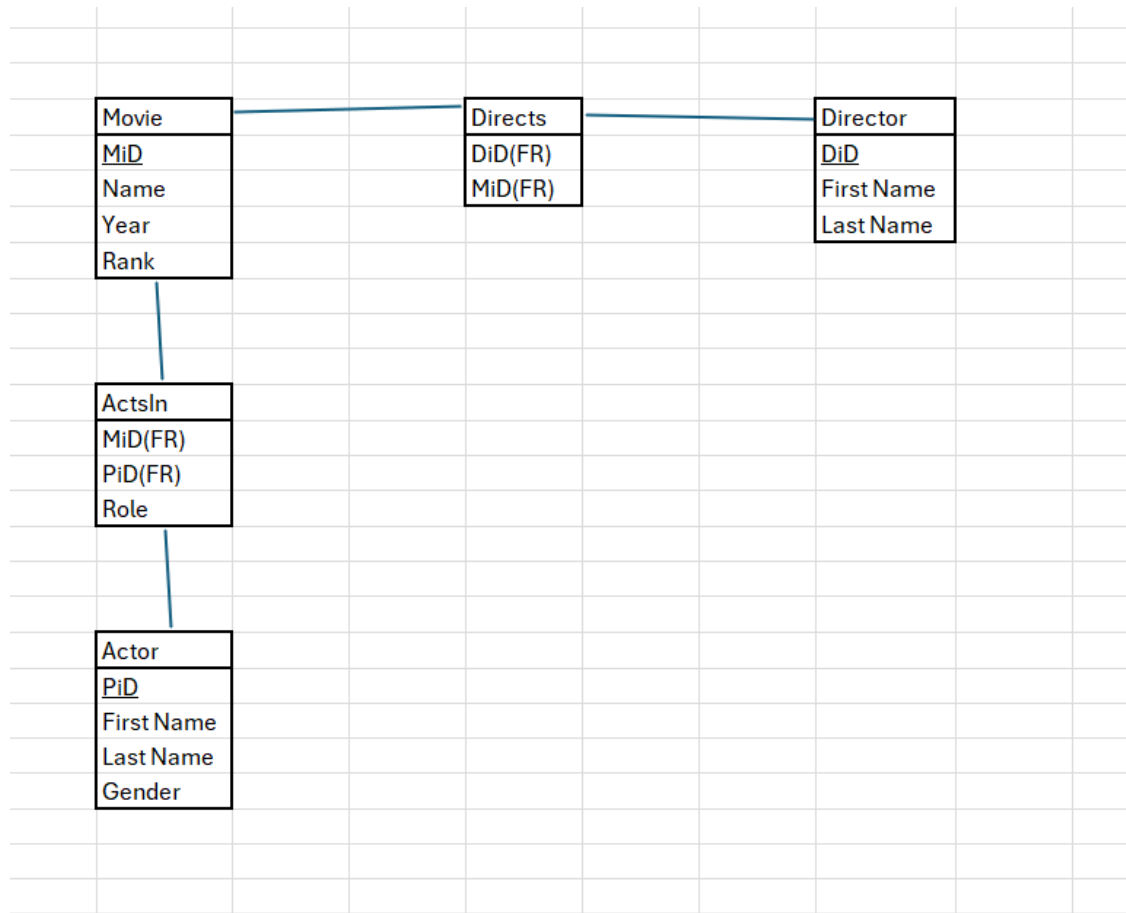David Geng
11/15/24
Assignment 2
COS 482

Write Up: When drawing out the ERD to fit the constraints, Directs and ActsIn require foreign keys to validate their validity and to assign a role to the actors in each movie. They have no primary keys as they act as connector between Actor, Movie, Director as they are all many to many relationships. The ID's in the Actor, Movie, and Director are the primary keys as they do not repeat and so will not cause issues.

Database Schema

Movie
MiD
Name
Year
Rank

Directs
DiD(FR)
MiD(FR)

Director
DiD
First Name
Last Name

ActsIn
MiD(FR)
PiD(FR)
Role

Actor
PiD
First Name
Last Name
Gender

ERD