Part 1 ER Diagram

CRITIC — Name, Phone Number

REVIEWS (N:M) — Evaluation

MOVIE — Award Wins, Actors, Director, Name, Movie ID, Release Date, Rating, Running Time

SUPPLIES (1:N)

DISTRIBUTOR — Name, Phone Number, (Unit Address): State, City, Zip Code, Street Address

AWARD — Name, Year, Winner

NOMINATIONS (N:M) — Won

DOMESTIC MOVIE — Funniness, Description, Genres

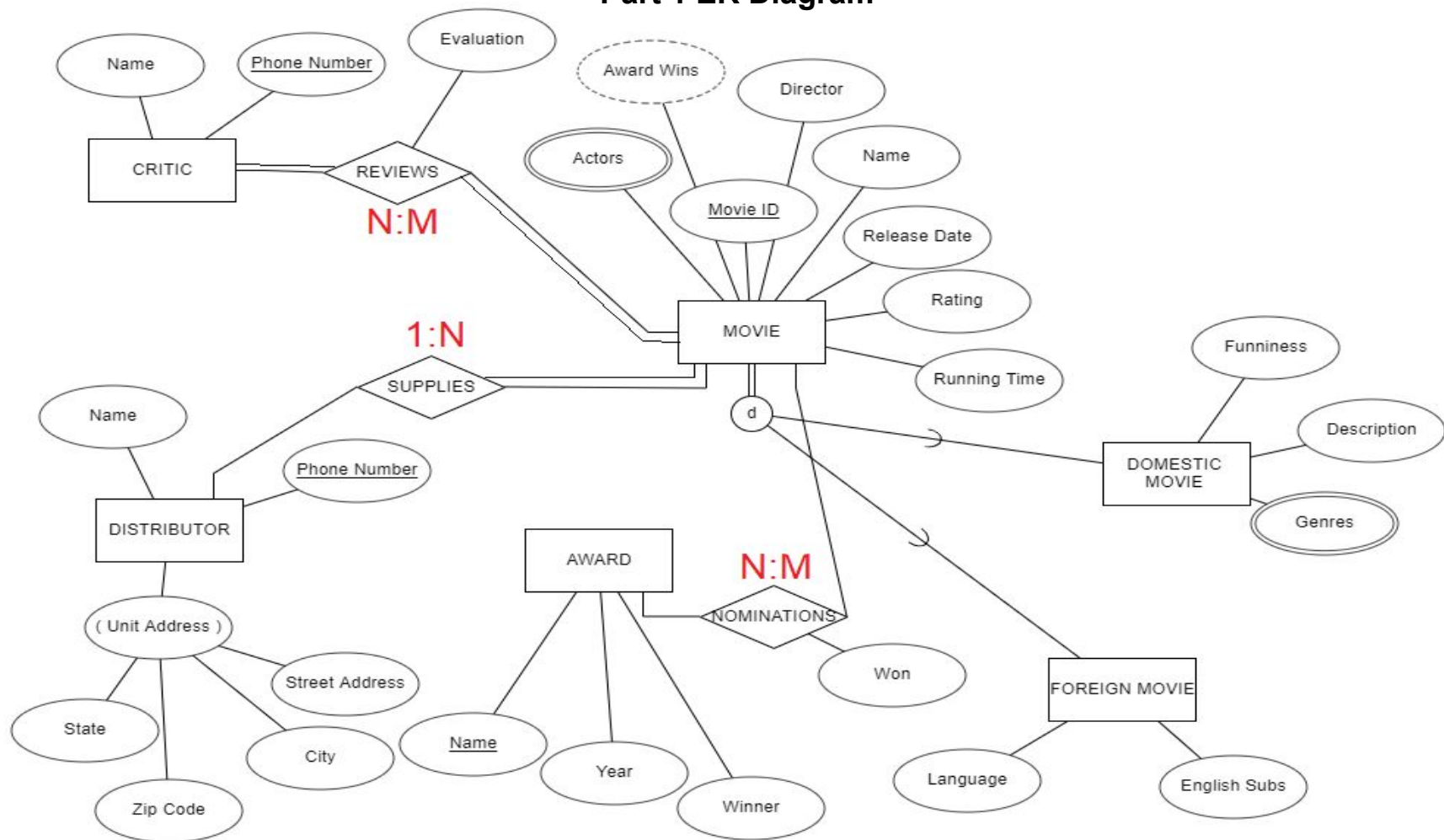FOREIGN MOVIE — Language, English Subs

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Part 2: Relational Schema

DISTRIBUTOR

DName	DNumber	State	Zip Code	City	Street Address
	PK				

REVIEWS

MovieID	CNumber	Evaluation
FK	FK	

CRITIC

CName	CNumber
	PK

MOVIE

MovieID	Director	MName	Release Date	Rating	Run Time	DNum
PK						FK

AWARD

AName	AYear	Winner
PK		

NOMINATIONS

MovieID	AwardID	Won
FK	FK	

MOVIE_ACTORS

MovieID	Actor
FK	

FOREIGN MOVIE

MovieID	Language	English Subs
FK		

DOMESTIC MOVIE

MovieID	Funniness	Description
FK		

MOVIE_GENRES

MovieID	Genre
FK	
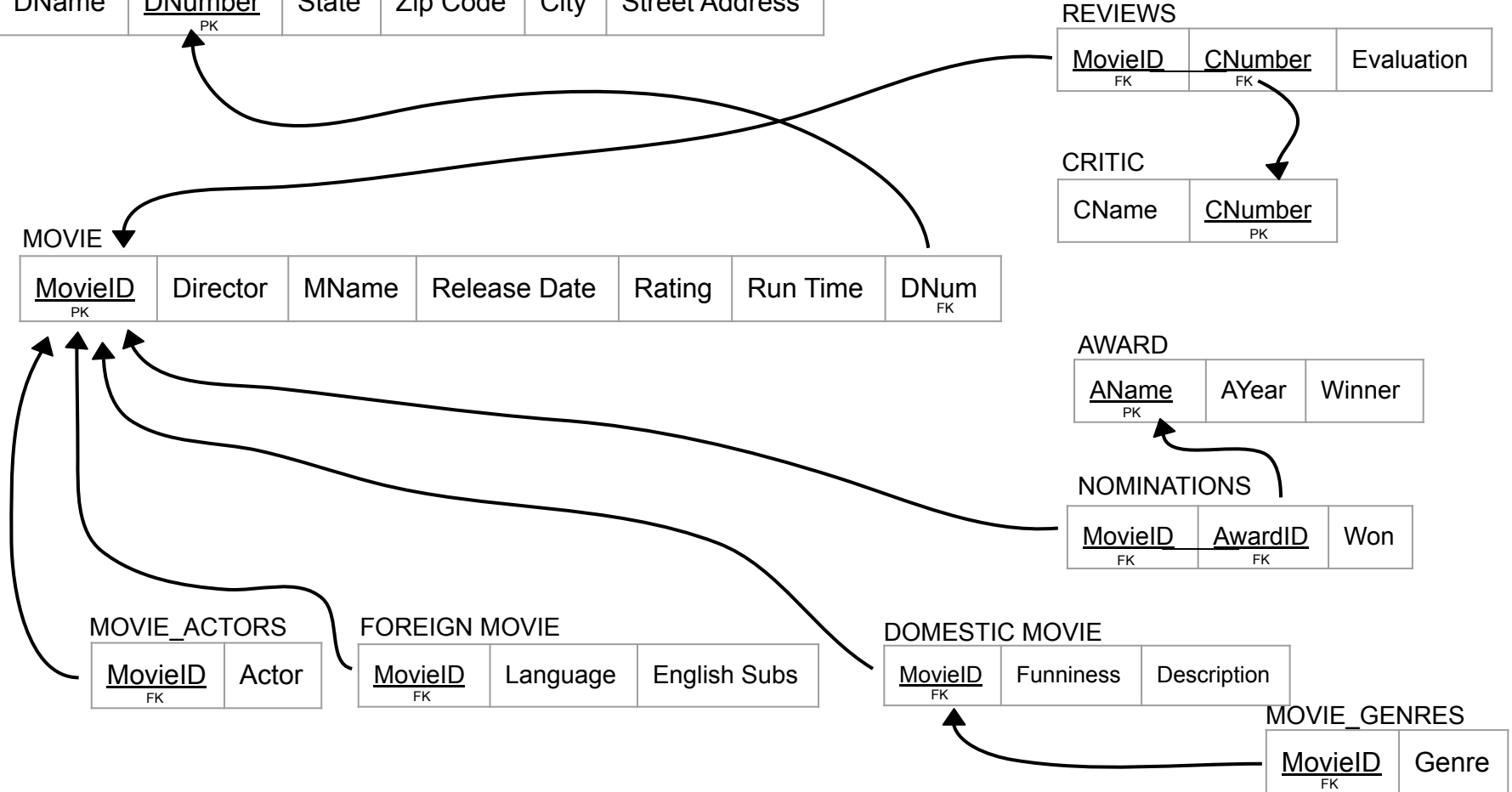
Domains

varchar(255):

Dname, State, City, Address, Director, MName, Release Date, Rating, Actor, Language, Description, Genre, AName/AwardID, Winner, CName

int:

DNumber, Zip Code, MovieID, Run Time, English Subs, Funniness, Won, AYear, CNumber, Evaluation

Assumptions

- Assumed no need to specify a specific range of char in varchar to allow for any length string to be processed.
- Assumed that Won and English Subs can be represented by 0 or 1 to indicate true or false.
- Assumed that NULL can be used for Funniness or Description in the case that a movie is not a comedy or is not a drama.
- Assumed that Run Time is represented by minutes of total length in int format.
- Assumed it was okay to add in a movieid tracker to better keep track of movies within the overall structure of the database.
- Assumed release date was in varchar using month day year.
- Assumed stitching together of full address was fine.