Catherine Onumajuru

<u>1NF</u>

Movies Table	
Movie ID Number (PK)	
Movie Title	
Movie Genre	
Movie Length	
Production Company Name	
Production Company Address	
Production Company Phone No.	
Production Company Website	
Actor/Actress 1 First Name	
Actor/Actress 1 Last Name	
Actor/Actress 1 Role	
Actor/Actress 2 First Name	
Actor/Actress 2 Last Name	
Actor/Actress 2 Role	
Actor/Actress 3 First Name	
Actor/Actress 3 Last Name	
Actor/Actress 3 Role	
Showing at Theater 1 Name	
Theater 1 Address	
Theater 1 Phone Number	
Showing at Theater 2 Name	
Theater 2 Address	
Theater 2 Phone Number]
Showing at Theater 3 Name]
Theater 3 Address]
Theater 3 Phone Number	

	Actors Table
	Actor ID (CPK)
1	Movie ID (CPK)
	Actor/Actress First Name
	Actor/Actress Last Name
	Actor/Actress Role
_	

Theatre Table
Movie ID (CPK)
Theatre ID (CPK)
Showing at Theatre Name
Theatre Address
Theatre Phone Number

The repeating fields have been separated into two tables and given identifiers

2NF Not a **Movies Table** part of Movie ID (PK) 2NF Movie Title Movie Genre Movie Length **Actors-Movies – Join Table** Production Company Name Actor ID (CPK) Production Company Address Production Company Phone No. Movie ID (CPK)⁴ Production Company Website No fields depend on both keys Actors Table Actor ID (PK) Theatres-Movies - Join Table Actor/Actress First Name Movie ID (CPK) Actor/Actress Last Name Actor/Actress Role Theatre ID (CPK) These fields depend only on one primary key **Theatres Table** Theatre ID (PK) Showing at Theatre Name

Theatre Address
Theatre Phone Number

<u>3NF</u>

Production Table
Production ID (PK)
Production Company Name
Production Company Address
Production Company Phone No.
Production Company Website

Actors-Movies – Join Table	
Actor ID (CPK)	~
Movie ID (CPK)	

Theatres-Movies – Join Table	
Movie ID (CPK)	
Theatre ID (CPK)	

Separate transitively dependent fields have been separated into a new table and given new PK fields.

Movies Table Movie ID Number (PK) Production ID (FK) Movie Title Movie Genre Movie Length

Foreign key for new table has been added to original table.

I	Actors Table
I	Actor ID (PK)
A	Actor/Actress First Name
A	Actor/Actress Last Name
A	Actor/Actress Role

Tł	neatres Table
Th	neatre ID (PK)
Sh	lowing at Theatre Name
Th	neatre Address
Th	neatre Phone Number