Project Movie Store

Q. 1 Identify the entities and attributes for this problem statement

1. Movie: title, release date, length, director, rating, price

2. Character: movie, character, actor, role info

3. Actor: name, gender, total films

4. Genre: genres, movies

5. Sales: movie, deposit, copies sold, total sales

6. Rent: movie, rent date, expected date, return date, penalty

Q. 2 Identify if there are any composite/multivalued/derived attribute

1. Derived: penalty (rent), total films (actor)

2. Multivalued: none

3. composite: none

Q. 3 Identify what should be the primary and foreign keys for the entities

Table	Primary Key(s)	Foreign Key(s)
Movie	Movie id	-
Actor	Actor id	-
Character	Character id	Movie id, actor id
Genre	Genre, movie id	Movie id
Sales	Movie id	Movie id
Rent	Rent id	Movie id

Q. 4 Identify the relationship name which should exist among the entities. Also, mention the cardinality ratio for each relationship

1. Character **is played by** actor (1:1)

2. Characters **play in** movie (N:1)

3. Movies **have** genres (M:N)

4. Movie **has** sales (1:1)

5. Movie **is rented** Rent (1:N)