- "Person" is an entity set with attributes (ID, occupation, age, street, city, province, firstName, lastName). It has a many-one relationship with the "PhoneNumber" entity set. The entity sets "Director", "Actor", and "Goer" are subclasses of this entity set.
- "PhoneNumber" is an entity set with attribute (number). It has a many-one relationship with the "Person" entity set.
- "has" is a relationship between the "Person" and "PhoneNumber" entity sets, and it is a many-one relationship (PhoneNumber-Person). It has a total participation constraint such that each "Person" "has" at least one "PhoneNumber", and each "PhoneNumber" is "had" by exactly one "Person"
- "Director" is an entity set with attributes (netWorth, yearsExp, studio). It is a subclass of the "Person" entity set. It has a many-one relationship with the "Movie" entity set.
- "Actor" is an entity set with attributes (agent, netWorth). It is a subclass of the "Person" entity set. It has a many-many relationship with the "Movie" entity set.
- "directed" is a relationship between the "Director" and "Movie" entity sets and it is a many-one relationship (Movie-Director). It has the attributes (awardName, awardYear, movBudget). It has a total participation constraint such that each "Movie" is "directed" by exactly one "Director".
- "stars" is a relationship between the "Actor" and "Movie" entity sets, and it is a many-many relationship. It has the attributes (wonOscar, role, yearOscar). The role attribute has a domain constraint where the values can only be: {"lead", "supp", "underStudy"}. It has a participation constraint such that a "Movie" "stars" at least one "Actor".
- "Movie" is an entity set with attributes (ID, relDate, title, genre, grsEarn). The genre attribute has a domain constraint where the values can only be: {"D", "C", "H", "F", "R", "S"}. It has a many-one relationship with the "Directors" entity set, a many-many relationship with the "Actor" entity set, and a many-many relationship with the "Theatre" entity set.
- "shows" is a relationship between the "Movie" and "Theatre" entity sets, and is a many-many relationship. It has the attributes (screenNum, day, time, ticketPrice).
- "Goer" is an entity set with no specific attributes. It has a one-one relationship with the "RewardsCard" entity set, a many-many relationship with the "Theatre" entity set, and a many-many relationship with the "Transaction" entity set.
- "visits" is a relationship between the "Goer" and "Theatre" entity sets, and it is a many-many relationship. It has the attributes (visitDate, ticketPrice, payMethod).
- "RewardsCard" is an entity set with attributes (number, balance, actDate). It has a one-one relationship with the "Goer" entity set.

- "owns" is a relationship between the "Goer" and "RewardsCard" entity sets, and it is a one-one relationship. It has a participation constraint such that each "RewardsCard" is "owned" by at most one "Goer", and each "Goer" "owns" at most one "RewardsCard".
- "Transaction" is an entity set with attributes (ID, totPaid). It has a many-many relationship with the "Goer" entity set, and a many-many relationship with the "Product" relationship.
- "makes" is a relationship between the "Goer" and "Transaction" entity sets, and it is a many-many relationship. It has the attributes (payMethod, date). It has a participation constraint such that a "Transaction" is "made" by at least one "Goer".
- "Product" is an entity set with attributes (SKU, category, price, name). It has a many-many relationship with the "Transaction" entity set, and a many-many relationship with the "ConcessionStand" entity set.
- "involves" is a relationship between the "Transaction" and "Product" entity sets, and it is a many-many relationship. It has the attribute (quantity). It has a participation constraint such that every "Transaction" "involves" at least one "Product".
- "Theatre" is an entity set with attributes (ID, name, street, city, province, screens). It has a many-many relationship with the "Movie" entity set, a many-many relationship with the "Goer" entity set, and a supporting many-one relationship with the "ConcessionStand" weak entity set.
- "ConcessionStand" is a weak entity set with attribute (standType). The attribute "standType" has a domain constraint where the values can only be: {"food", "souvenir"}. It has a supporting many-one relationship with the "Theatre" entity set, and a many-many relationship with the "Product" entity set.
- "sells" is a relationship between the "ConcessionStand" and "Product" entity sets, and it is a many-many relationship. It has a participation constraint such that each "ConcessionStand" "sells" at least one "Product".
- "setupIn" is a supporting relationship between the "Theatre" and "ConcessionStand" and it is a many-one relationship (ConcessionStand - Theatre). There is a participation constraint such that each "ConcessionStand" is exactly one "Theatre".