Project 2: Tiger Movie Theater

**Entities:**

**Merchandise**- Photo, FoodName, SouvenirName, Price

**Account**-  FirstName, LastName, NickName, Email, Phone, ViewedMovie, WatchList

**Ticket**- MovieTitle, Price, SaleDate, ShowTime, Room, Seat

**Receipt**- AcountId, Email, Reminder

**Review**- Title, Rating, Comment, ReviewDate, Total

**List**- ShowTime, Theater, Reviews

**Movie**- MovieId, ReleaseDate, AgeRating, Genre, CountryOrigin, Runtime, Language, ProductionCo,  Storyline, Review, ShowDate, ShowTime, RoomName

**MovieCrew**- CastMember, CharacterName, RoleName, DOB, HomeCity, HomeState, Country

**Room**- RoomName, Number, TotalSeat, AudioSystem

**Business Rules:**

1. A list is a record of movies/theaters/reviews, such as “Godzilla Vs. Kong, TMT-Columbia, ‘Okay, movie.’”
2. An account is a customer, such as Jane Doe.
3. A review is an assessment of a movie, such as “Great film!”
4. A movie is a motion picture, such as Godzilla Vs. Kong.
5. A movie crew is a member that performs in a movie, such as Robert Downey Jr. as Iron Man.
6. A ticket is proof for entrance to view a movie, such as admission to room 5.
7. A room is a viewing area to watch a movie, such as number 6 3-D.
8. Merchandise is an item to be purchased from a theater, such as popcorn.
9. A receipt is proof of purchase, such as paper/text/email confirmation.

1. Each list has one or many movies.

Each movie has exactly one list.

     B.    Each movie has zero or many tickets.

    Each ticket belongs to exactly one movie.

     C.      Each movie has zero or many reviews.

    Each review belongs to exactly one movie.

     D.    Each account has zero or many reviews.

            Each review belongs exactly one account.

     E.     Each room can play one or many movies.

    Each movie is played in exactly one room.

     F.     Each movie crew plays in one or many movies.

    Each movie has exactly one crew.

     G.     Each account can purchase zero or many merchandise items.

    Each merchandise is purchased by exactly one account.

     H.     Each receipt has one or many merchandise items.

    Each merchandise purchase belongs to exactly one receipt.

**ERD:**

**Diagram

Description automatically generated**

**Logical EERD:**

**Diagram

Description automatically generated**