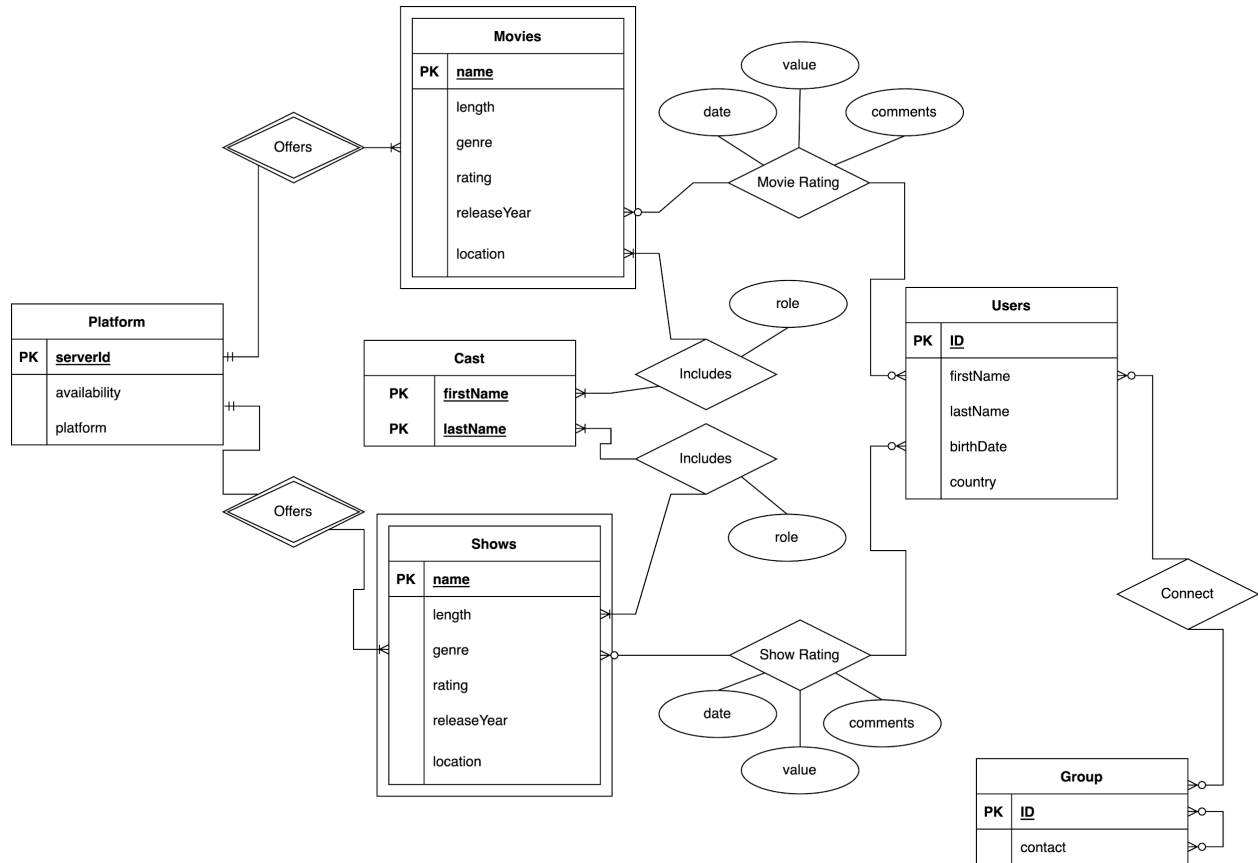


## Dream to Stream

### Stage 2 Conceptual and Logical Database Design

#### ER Diagram:



#### Database Assumptions & Relationships:

- One Platform will Offer many Shows and many Movies, but each Show/Movie is Offered by one Platform (one-to-many).
  - Shows and Movies are going to be weak entity sets that will use the Platform as the supporting entity set.
- Each Show/Movie can Include multiple Cast and the Cast can Include multiple Shows/Movies (many-to-many).
- Show/Movie can have multiple Ratings from Users and Users can provide many Ratings for the Shows and Movies watched (many-to-many).
- Each Group can Connect multiple Users and Users can be Connected in multiple Groups (e.g Friends, Family, Classmates, Relationship) (many-to-many).

## Relational Schema:

```
Platform(  
    serverId:INT [PK],  
    availability:VARCHAR(30),  
    platform:VARCHAR(20)  
)
```

```
Users(  
    ID:INT [PK],  
    firstName:VARCHAR(255),  
    lastName:VARCHAR(255),  
    birthDate:VARCHAR(10),  
    country:VARCHAR(60)  
)
```

```
Cast(  
    firstName:VARCHAR(255) [PK]  
    lastName:VARCHAR (255) [PK]  
)
```

```
Shows(  
    name:VARCHAR(255) [PK],  
    length:REAL,  
    genre:VARCHAR(255),  
    rating:REAL,  
    releaseYear:INT,  
    location:VARCHAR(255),  
    platform:VARCHAR(255) [FK to Platform.platform]  
)
```

```
Movies(  
    name:VARCHAR(255) [PK],  
    Column2:length REAL,  
    Column3:genre VARCHAR(255) ,  
    Column4:rating REAL ,  
    Column5:releaseYear INT,  
    Column6:location VARCHAR(255),  
    Column7:platform VARCHAR(255) [FK to Platform.platform]  
)
```

```
Group(  
    Column1:ID int [PK],  
    Column2:contact VARCHAR (255)  
)
```

```
ShowIncludes(  
    firstName: VARCHAR(255) [FK to Cast.firstName],  
    lastName: VARCHAR (255) [FK to Cast.lastName],  
    name: [FK to Shows.name] VARCHAR(255),  
    role: VARCHAR(255)  
)
```

```
MovieIncludes(  
    firstName: VARCHAR(255) [FK to Cast.firstName],  
    lastName: VARCHAR (255) [FK to Cast.lastName],  
    name: VARCHAR(255) [FK to Movieess.name],  
    role: VARCHAR(255)  
)
```

```
MovieRating(  
    ID: INT [FK to Users.ID],  
    name: VARCHAR(255) [FK to Movies.name],  
    date: DATE,  
    value: REAL,  
    comments: VARCHAR(255)  
)
```

```
ShowRating(  
    ID: INT [FK to Users.ID],  
    name: VARCHAR(255) [FK to Shows.name],  
    date: DATE,  
    value: REAL,  
    comments: VARCHAR(255)  
)
```