

# Entertainment - OTT App: (Eg: Netflix)

## Entities:

1. User
2. Profile
3. Subscription
4. Movies
5. TV\_Shows
6. Episode
7. Watch\_History
8. Watchlist
9. Country
10. Cast
11. Device

## Attributes and Data Types:

### 1. User

- `UserID` (INT, Primary Key): Unique identifier for each user.
- `Name` (VARCHAR): Full name of the user.
- `Email` (VARCHAR): Email address of the user.
- `Password` (VARCHAR): Encrypted password for user login.
- `DateOfBirth` (DATE): User's date of birth.
- `JoinDate` (DATE): Date when the user registered.

### 2. Profile

- `ProfileID` (INT, Primary Key): Unique identifier for each profile.
- `UserID` (INT, Foreign Key): Identifier linking the profile to a user.
- `ProfileName` (VARCHAR): Name of the profile (e.g., Kids, John's Profile).
- `ProfilePicture` (VARCHAR): URL or path to the profile picture.
- `LanguagePreference` (VARCHAR): Preferred language for content.
- `AgeRestriction` (BOOLEAN): Whether the profile has age restrictions.

### 3. Subscription

- `SubscriptionID` (INT, Primary Key): Unique identifier for each subscription.
- `UserID` (INT, Foreign Key): Identifier linking the subscription to a user.
- `SubscriptionType` (VARCHAR): Type of subscription plan (e.g., Basic, Premium).
- `StartDate` (DATE): Date when the subscription starts.
- `EndDate` (DATE): Date when the subscription ends.
- `Status` (VARCHAR): Current status of the subscription (e.g., Active, Expired).

#### 4. Movies

- `MovieID` (INT, Primary Key): Unique identifier for each movie.
- `Title` (VARCHAR): Title of the movie.
- `Description` (TEXT): Brief summary or synopsis of the movie.
- `ReleaseDate` (DATE): Date when the movie was released.
- `Genre` (VARCHAR): Genre or category of the movie.
- `Duration` (INT): Length of the movie in minutes.

#### 5. \*TV\_Shows

- `ShowID` (INT, Primary Key): Unique identifier for each TV show.
- `Title` (VARCHAR): Title of the TV show.
- `Description` (TEXT): Brief summary or synopsis of the TV show.
- `ReleaseDate` (DATE): Date when the TV show was released.
- `Genre` (VARCHAR): Genre or category of the TV show.
- `Seasons` (INT): Number of seasons the TV show has.

#### 6. Episode

- `EpisodeID` (INT, Primary Key): Unique identifier for each episode.
- `ShowID` (INT, Foreign Key): Identifier linking the episode to a TV show.
- `SeasonNumber` (INT): Season number the episode belongs to.
- `EpisodeNumber` (INT): Episode number within the season.
- `Title` (VARCHAR): Title of the episode.
- `Duration` (INT): Length of the episode in minutes.

#### 7. Watch\_History

- `WatchHistoryID` (INT, Primary Key): Unique identifier for each watch history record.
- `ProfileID` (INT, Foreign Key): Identifier linking the watch history to a profile.
- `ContentID` (INT, Foreign Key): Identifier linking the watched content.
- `WatchDate` (DATE): Date when the content was watched.
- `WatchDuration` (INT): Duration the content was watched in minutes.
- `IsCompleted` (BOOLEAN): Whether the content was watched completely.

#### 8. Watchlist

- `WatchlistID` (INT, Primary Key): Unique identifier for each watchlist record.
- `ProfileID` (INT, Foreign Key): Identifier linking the watchlist to a profile.
- `ContentID` (INT, Foreign Key): Identifier linking the content in the watchlist.
- `DateAdded` (DATE): Date when the content was added to the watchlist.
- `Priority` (INT): Priority level of the content in the watchlist.
- `Status` (VARCHAR): Current status of the content in the watchlist (e.g., Watched, Unwatched).

#### 9. Country

- `CountryID` (INT, Primary Key): Unique identifier for each country.
- `CountryName` (VARCHAR): Name of the country.

- `CountryCode` (VARCHAR): ISO code of the country.
- `Continent` (VARCHAR): Continent where the country is located.
- `Language` (VARCHAR): Primary language spoken in the country.
- `Currency` (VARCHAR): Currency used in the country.

#### 10. Cast

- `CastID` (INT, Primary Key): Unique identifier for each cast member.
- `ContentID` (INT, Foreign Key): Identifier linking the cast member to content.
- `ActorName` (VARCHAR): Name of the actor.
- `CharacterName` (VARCHAR): Name of the character played by the actor.
- `RoleType` (VARCHAR): Type of role (e.g., Main, Supporting).
- `Bio` (TEXT): Biography of the actor.

#### 11. Device

- `DeviceID` (INT, Primary Key): Unique identifier for each device.
- `UserID` (INT, Foreign Key): Identifier linking the device to a user.
- `DeviceType` (VARCHAR): Type of device (e.g., Smartphone, Tablet).
- `DeviceName` (VARCHAR): Name or model of the device.
- `LastLogin` (DATE): Date when the device was last used to login.
- `DeviceOS` (VARCHAR): Operating system of the device.

**ER Diagram: (Broken down into 3 images since Creately allows only a few set of elements per workspace)**



