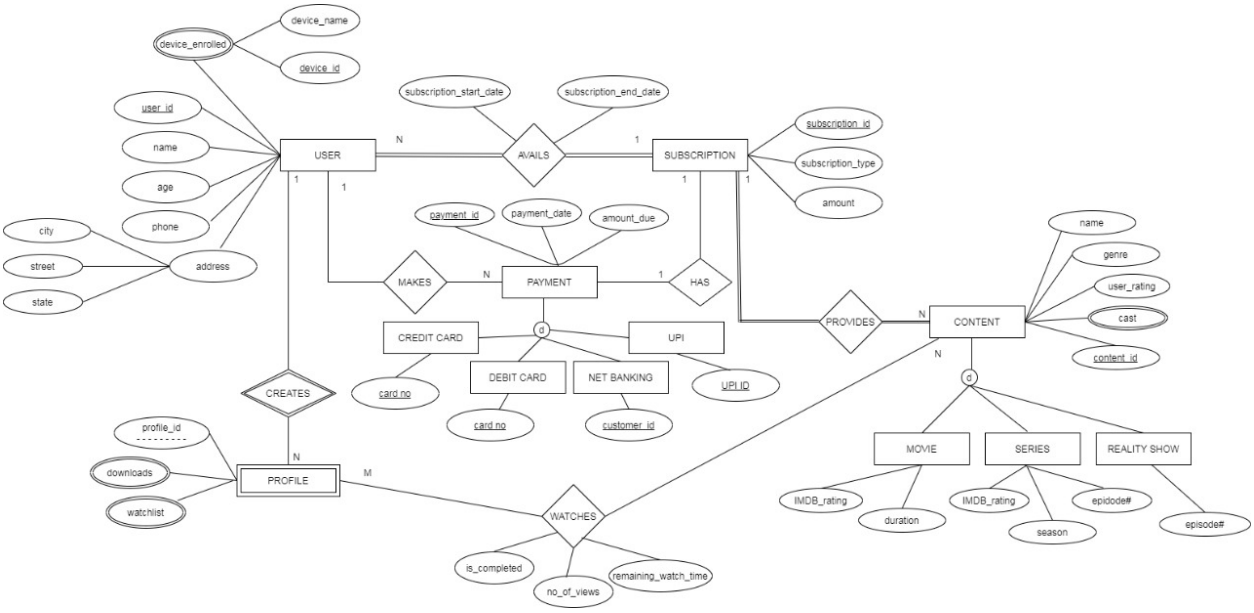
OTT MANAGEMENT SYSTEM

SCENARIO :

- Consider an OTT platform, that has many users registered in it. A user is identified by his/her user_id in the platform and has the attributes name, age,phone and address. Each user, represented by an entity [USER] creates a profile [PROFILE] in the platform.The user may create two or more profiles based upon the subscription type..
- The Users avail a specific subscription represented by an entity [SUBSCRIPTION], that further has subscription_id,subscription_type and amount as attributes. The users can avail a subscription from the given start_date till the end_date with respect to the subscription they opted .
- The User makes a payment, represented by an entity [PAYMENT] for the subscription. The Payment entity has an id,amount due and the date of amount payment. The payment types include Credit card ,Debit card ,NetBanking and UPI.
- The subscribed users can view the contents [CONTENT] that are streamed in the platform.The contents include movies,reality shows and series. The content entity has the attributes content_id , genre,content name and cast. The movies[MOVIE] have duration and IMDB rating , Reality shows[REALITY SHOW] have their episode number and Series [SERIES] have their season, IMDB rating & episode number. The user ratings are also present as a part of the CONTENT entity.
- The OTT can be streamed over various devices like Smart tv, mobile phones, PCs etc., For each device the corresponding device name and device id are stored. The details about the devices enrolled are kept in track with the USER entity.
- The watchlist and downloads of the users are further stored in the respective profile.
- For each PROFILE, the content watched will have the details like number of views, remaining watch time and isCompleted (isCompleted -> true- if a content is watched fully, false if it isn't)

EER DIAGRAM :


device_name
device_enrolled
device_id
user_id
name
age
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city
street
state
address
USER
N
AVAILS
1
subscription_start_date
subscription_end_date
SUBSCRIPTION
subscription_id
subscription_type
amount
1
1
1
1
payment_id
payment_date
amount_due
MAKES
N
PAYMENT
1
HAS
CREDIT CARD
d
UPI
DEBIT CARD
NET BANKING
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customer_id
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PROVIDES
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CONTENT
name
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content_id
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CREATES
N
PROFILE
M
profile_id
downloads
watchlist
WATCHES
is_completed
no_of_views
remaining_watch_time
MOVIE
SERIES
REALITY SHOW
IMDB_rating
duration
IMDB_rating
epidode#
season
episode#