VOD Business Rules

General Rules

- Make some reasonable assumptions about which attributes will be mandatory throughout the model.
  - For example, within the movie table you would expect the title to be mandatory.
- The database will only store information about Movies.
- no music or subscription-based services
- the system does not have to deal with refunds

Specific Details

- Categories
  - Categories should be based on the categories from the Shaw VOD website. A category can have sub-categories.
    - Drama
      - Thrillers, Emotional, Award Winning
- Movies/Titles
  - movies can be associated with multiple categories
  - a movies can have multiple advisories
  - "New Releases", "Most Popular", "Coming Soon" are binary attributes of the movie (0,1)
  - There will be an SD and HD price from each movie
  - store the duration in minutes
    - duration for all movies should be greater than 0
  - movie rating (G, PG, 14A, …)
    - https://www.alberta.ca/how-alberta-classifies-films.aspx
- Advisory
  - short advisory description
  - full advisory description
    - https://www.alberta.ca/how-alberta-classifies-films.aspx
- Rental
  - need to remember a customer's rating on the rental
  - when the customer rented it
  - when the customer started viewing it
  - when the rental will expiry (24 hours from when the customer started viewing it)
  - For each rental, store the amount of the rental and the credit card that it was charged to
  - price paid
  - credit card charged
    - Credit_card_num should be all digits
  - type of credit card used
    - credit card type should be {AX, MC, VS}
  - the rental expiry date should be > the date when the customer starting viewing it
  - the customer start viewing date > the date when the customer rented it
  - customer rating 1 – 5 stars
- Actor/Actresses
  - first name, last name and date of birth
  - email address – should be unique
- For each Actor/Actresses – Movie combination
  - store the actor/actresses role name in that movie
- Director

- o   first name, last name and date of birth
- o   email address – should be unique
- Customer
  - o   first name and surname
  - o   Customers must have email address where you will email their receipt for each rental
  - o   default Credit_card_numbers should be all digits
  - o   default credit card type should be {AX, MC, VS}
  - o   full address
  - o   postalcode should be in the format L9L9L9 – where L is a letter and 9 is a digit.
  - o   email address
    - ▪   validate the email address to ensure it is valid
    - ▪   should be unique
  - o   phonenumber should be in the format 999.999.9999 where 9 is a digit. Use regular expressions in ORACLE to put this restriction in place.
- Wishlist
  - o   when the movie was added to the customer's wishlist