

Q1. Design Netflix Schema

Unsolved

Design Database Schema for a system like Netflix with the following Use Cases. You can draw it on pen and paper and upload the image of your solution.

Use Case

Netflix has users

Every user has an email and a password

Users can create profiles to have separate independent environments.

Each profile has a name and a type. Type can be KID or ADULT.

There are multiple videos on Netflix.

For each video, there will be a title, description and a cast.

A cast is a list of actors who were a part of the video. For each actor, we need to know their name and list of videos they were a part of.

For every video, for any profile who watched that video, we need to know the status (COMPLETED/ IN PROGRESS).

For every profile for whom a video is in progress, we want to know their last watch timestamp.

1) Database Assignment 1

Users

Users_id

Email

password

profile

profile_id

name

type

user_id

Video

Video-id

title

description

Actors

actor_id

name

Video Actors

video_id

actor_id

History

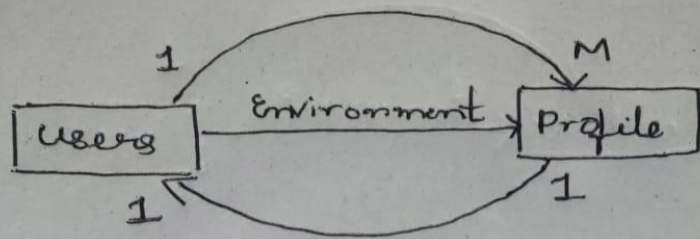
history_id

video_id

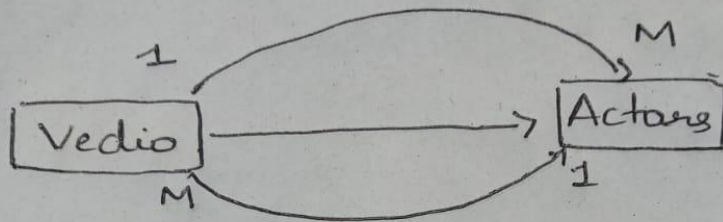
profile_id

Status

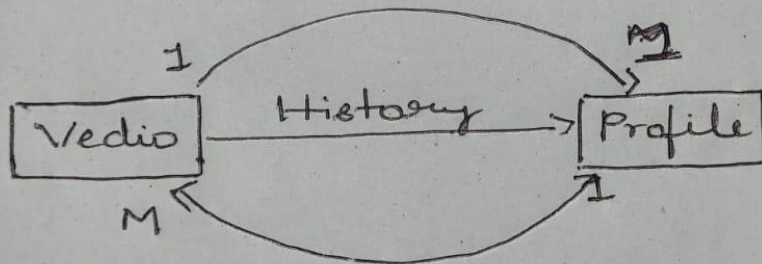
time_stamp



$\therefore 1:M$



$\therefore M:M$



$\therefore M:1$