

# Online Streaming Site - YouTube

IT214 Database Management System, Fall'19

November 17, 2019



## Team Details

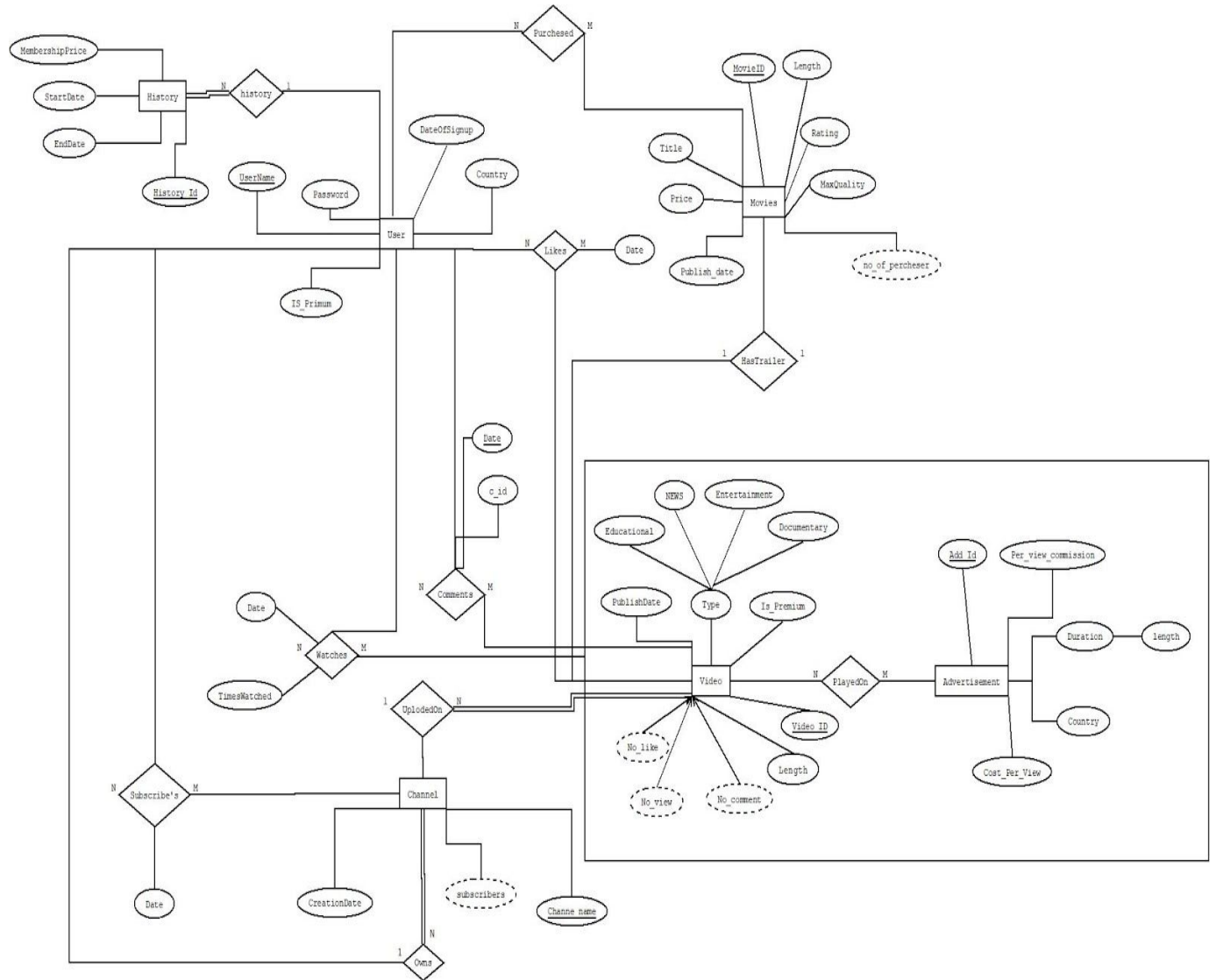
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Team Representative : Nil Shah

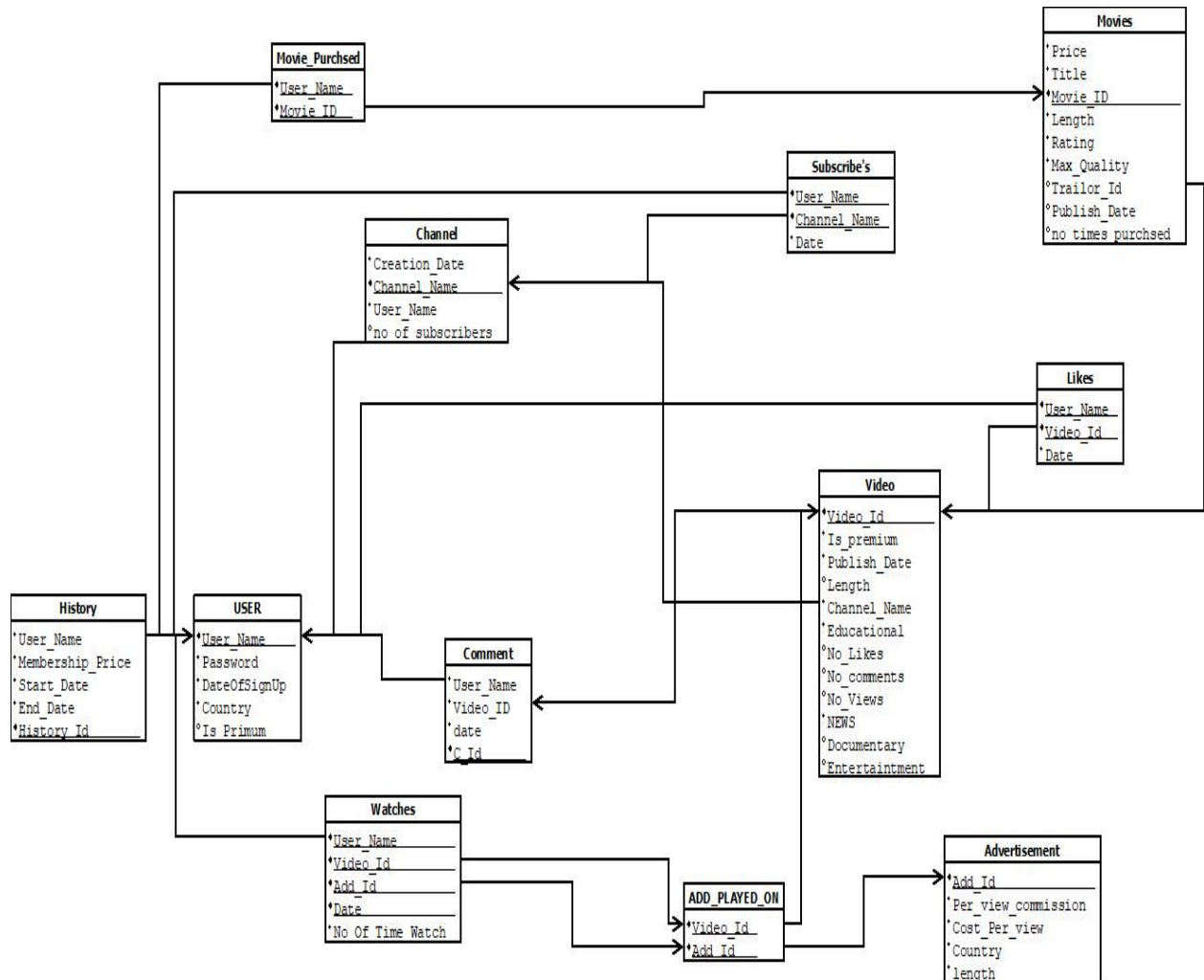
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## ER - Diagram



## Relational Schema



## **FMIN**

Here Every Table is in BCNF form because each table has its own Primary key.

- 1) Add\_Played\_ON :-  
    {Add\_id,Video\_Id} -> Add\_id,  
    {Add\_id,Video\_Id} -> Video\_Id
- 2) Advertisement :-  
    Add\_Id -> Per\_view\_commission,  
    Add\_Id -> Cost\_per\_view,  
    Add\_Id -> Country,  
    Add\_Id -> length
- 3) Watches:-  
    { User\_name, Video\_id, Add\_Id, Date } -> No\_of\_Times\_Watch
- 4) Comment:-  
    c\_Id -> User\_name  
    c\_Id -> Date  
    c\_Id -> Video\_Id
- 5) User\_Details:-  
    User\_name -> password,  
    User\_name -> Date\_Of\_SignUp  
    User\_name -> Country,  
    User\_name -> Is\_Premium
- 6) History:-  
    History\_Id -> User\_name,  
    History\_Id -> Start\_date,  
    History\_Id -> End\_date,  
    History\_Id -> membership\_price
- 7) Like:-  
    { User\_name , Video\_Id } -> Date
- 8) Movies:-  
    Movie\_Id -> Title,  
    Movie\_Id -> Price,  
    Movie\_Id -> length,  
    Movie\_Id -> Price,  
    Movie\_Id -> Rating,

Movie\_Id -> Max\_quality,  
Movie\_Id -> Publish\_date,  
Movie\_Id -> Trailer\_Id,  
Movie\_Id -> No\_Purchasers

9) Movie\_Purchased:-

{Movie\_Id,User\_name} -> Movie\_Id,  
{Movie\_Id,User\_name} -> User\_name

10) Subscribes:-

Channel\_name,User\_name ->Date

11) Channel:-

Channel\_name -> Creation\_date,  
Channel\_name -> No\_Of\_subscribers,  
Channel\_name -> User\_name

12) Video:-

Video\_Id ->channel\_name,  
Video\_Id -> Is\_premium,  
Video\_Id -> Length,  
Video\_Id -> Publish\_date,  
Video\_Id -> News,  
Video\_Id -> Educational,  
Video\_Id -> Documentary,  
Video\_Id -> Entertainment,  
Video\_Id -> No\_Likes,  
Video\_Id -> No\_comments,  
Video\_Id -> No\_Views