Youtube

About :

YouTube is a video sharing service where users can watch, like, share, comment and upload their own videos. The video service can be accessed on PCs, laptops, tablets and via mobile phones.

## Main Functions of YouTube :

## Users can search for and watch videos

* Create a personal YouTube channel
* Upload videos to your channel
* Like/DisLike/Comment/share other YouTube videos
* Users can subscribe other YouTube channels and users
* Create playlists to organize videos and group videos together

## Signing to Youtube :

While it's not necessarily required, we do recommend signing in to YouTube. Signing in allows you to like and comment on the videos you find, share videos more easily, and even upload and edit your own videos.

### Related videos

Whenever you finish a video, related videos will appear in the video player (if autoplay is turned off). Other related videos will appear to the right of the player. These videos might be from the same creator or may feature similar content other people have viewed after watching the same video.

What user can do?

Anonymus user(Without Log in) :

## Users can search for and watch videos

Regular user(With Log in) :

## Users can search for and watch videos

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Premium user :

## Users can search for and watch videos without ads

Download videos to watch offline

Play videos in the background

watch any premium content

Database :

1.Auth: It consists of the details of every user such as authid, username, Password

2. Video: It consists of the details of every video uploaded such as its id, title, description, the user who uploaded it, uploaded time, video view etc.

3. Entity like: Details of every reaction of every user on every video.

4. Comment: It consists of details related to comments on a video and the replies associated with it.

5. Channel: Details related to a channel such as its name, owner of the channel and the videos in the channel etc.

6. Subscriber: Details of the subscriber such as name, the channel to which they have subscribed.

7. Playlist: The information related to a playlist, playlistName, channelid.

8. Watch History: The history of videos watched by every user is stored in this table.

9. Watch Later Video: Consists of the list of videos a user has marked to be watched later.

10. Search History: Keeps a record of the content the user has searched in the past.

11. Notification: The details of the notifications that need to be sent to the user is stored in this table.

12. Account Settings: Every member has a record of account settings where options to show restricted videos, language, location, etc. are maintained.

13:Playlist Video: This captures videoID and playlist ID.

14.Video View: This captures the Video view, userId and VideoID.

15.Channel Video:This captures the videoID, channelID and ChannelVideoID

ER Diagram :



