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1. Use the reference of YouTube[YT] :

S1 : A new user account is created in Gmail/YT

Publisher → Create\_account service ,

Subscriber

- Create\_new\_account service

- ID\_Auth\_service

- New\_Account\_ login service

- New\_ID\_login service

- Database

S2 : The user logs in to YOUTUBE using the account

Publisher →New\_user\_account service ,

Subscriber

- ID\_Auth\_service

- New\_ID\_login service

- Location services

- Timeline services

- List services/network service

- Notification services

- Tag/Hash service

- Advertisement service

- Database

- Logging

S3 : Create a subscription service in YT

Publisher →Search\_channel service,

Subscriber

- Subscription service

- Related\_content service

- Database

- Notification services

S4 : User :: Create a channel

Publisher →New\_channel service,

Subscriber

- Location services

- Timeline services

- Database

S5 :: user --> channel --> uploads a video

Publisher →Upload\_video service,

Subscriber

- Tag/Hash service

- Advertisement service

- Database

- Recomended\_video service