**ACTIVITY 1**

**Reference of YOUTUBE:**

1. **S1: New user account in Gmail/YouTube(sign-up)**

YouTube:

* Publisher : User Registration Service/Account Verification Service
* Subscriber : Welcome Notification service or notification service

Gmail:

* Publisher : User Registration Service/Email Validation Service/Password Service/Account Initialization Service
* Subscriber : Welcome Email Service or Notification Service

1. **S2 : The user logs in to YT using the account(sign\_in)**

YouTube:

* Publisher : Authentication Service/User Profile Service/Analytics Service
* Subscriber : User Activity Service/Logging Service/Security Service/Error Handling Service

1. **S3 : Create a subscription service in YT**

YouTube:

* Publisher : Recommendation Service/Subscription Management Service/Billing Service
* Subscriber : notification services/list services

1. **S4 : User :: Create a channel**

YouTube:

* Publisher : Channel Creation Service/Channel Verification Service/Language Service/ Media Integration Service
* Subscriber : Email Notification Service/Channel Updated Service

1. **S5 :: user --> channel --> uploads a video**

YouTube:

* Publisher : Video Upload Service/Content Management Service/Video Processing Service/ Service
* Subscriber : Notification Service/Transcript Generation Service/Thumbnail Service/Video Storage Service/Video Service