Agenda

- Oauth
- Implementing user service.

user service

Signup() , login()

forgot Password()

Validate Token()

login ──────────→
←────── token

Search

token ──────────→
←──────
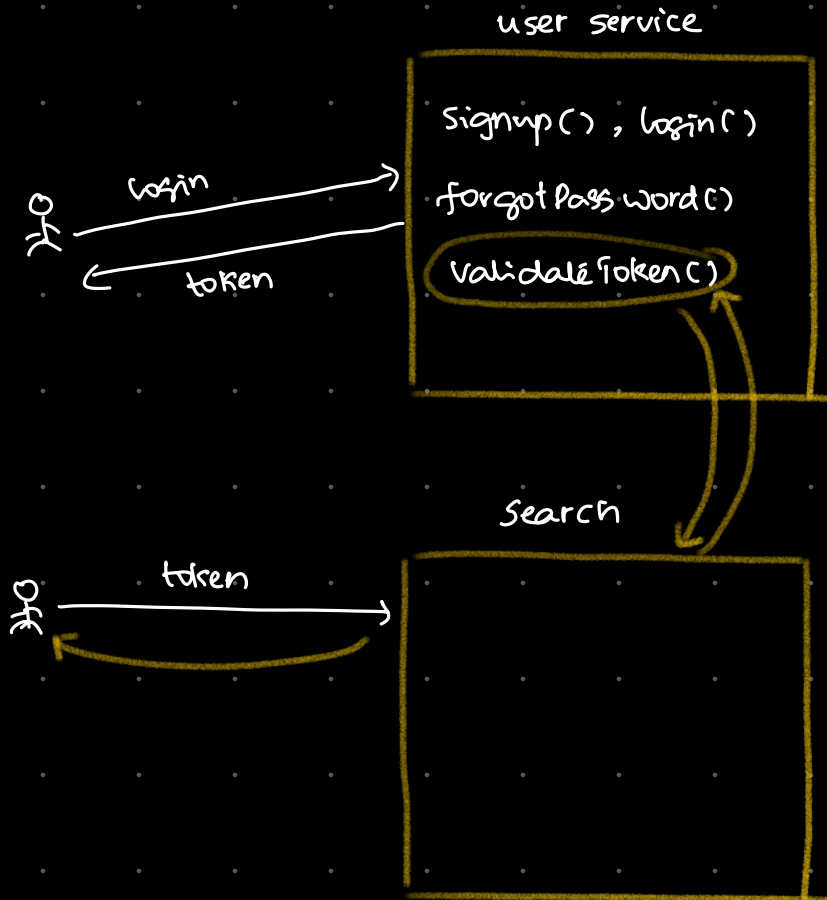
login via Google
login via FB
login via linkedIn

Problem:

Every auth provider could've their own way
of implementing login(), Signup() etc.

It'll be very difficult for us to write
the code for all of them.

Oauth

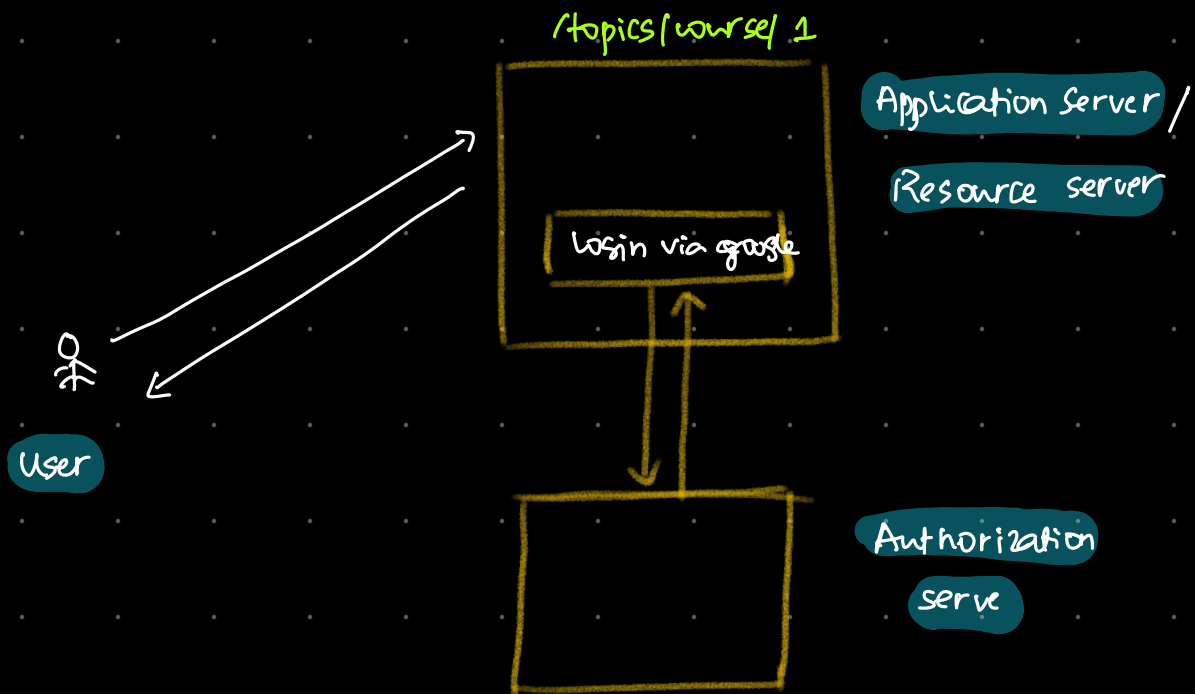Industry wide followed standard for authorisation.

→ follow protocols of Oauth, it provides API contract for autho
   -risation.

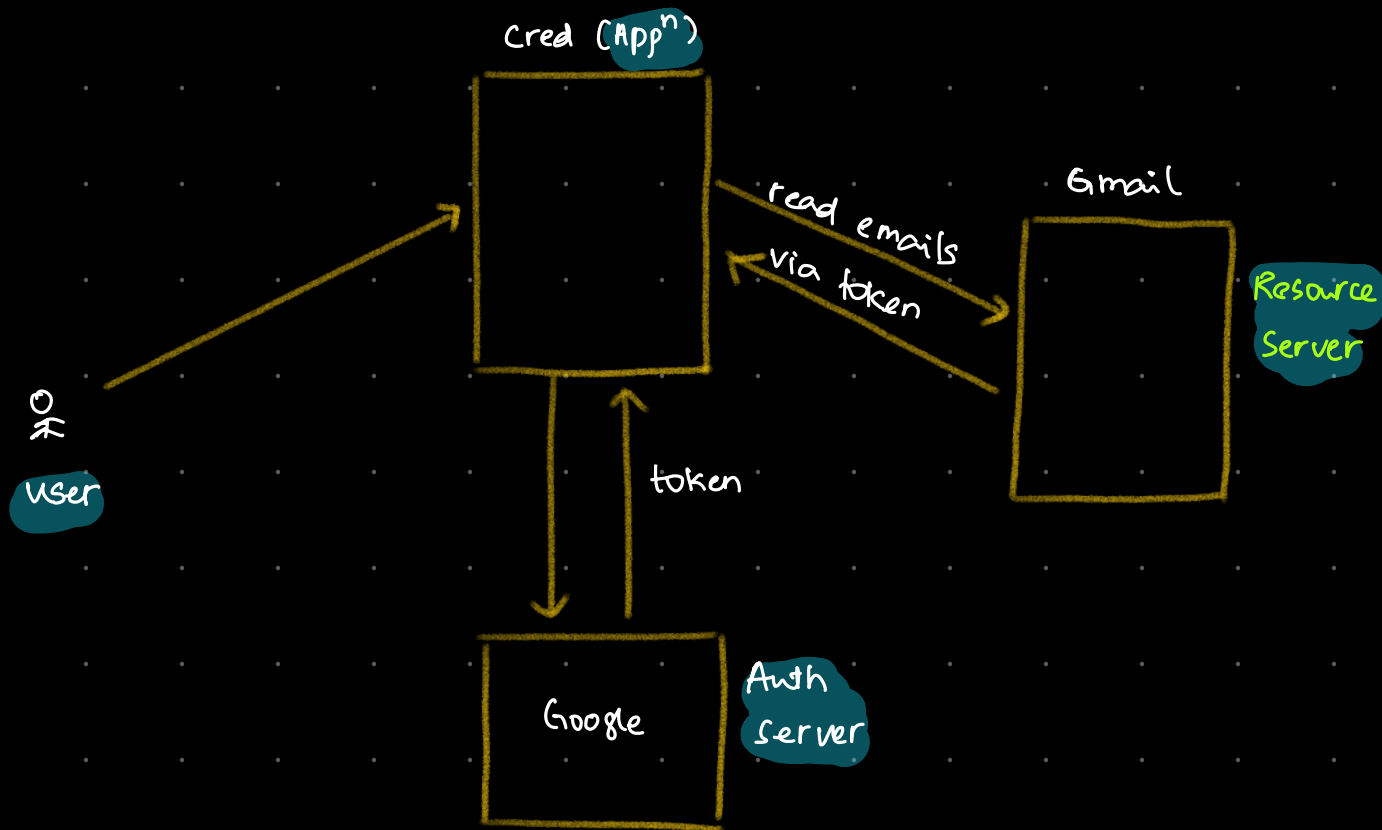## How Oauth works?

4 participants in any auth related workflow--

1. User   : Person who wants to access some resource

2. Resource server : Server that has the information that user wants

3. Application   : service via which user is trying to access something

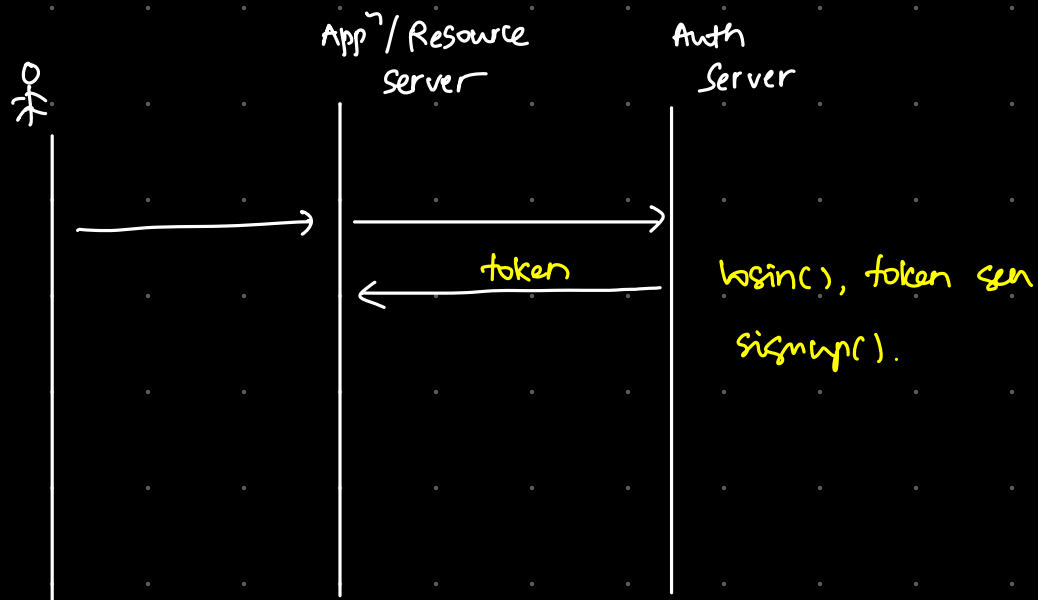4. Authorisation server : service that is going to manage the auth part.

ex1:

/topics/course/ 1

Login via google

Application Server /
Resource server

User

Authorization
serve

ex2:

cred (App^n)

read emails
via token

Gmail

Resource
Server

O
ᚢ

user

token

Google

Auth
Server

Case 1:   App^n itself has resources

O
ᚢ

App^n/ Resource
Server

Auth
Server

token

login(), token sen

signup().

Case 2: App^n and Resource Server are diff.

App^n Server   Auth Server   Resource Server.

① →

② → login(), token gen

token ③ ←   signup().

token → ④

⑤ ←

Validate token

⑥ →

⑦ ←