

Intro to backend

Expectations wrt for this Module

↓ ↘
Dos Douts

Curriculum

Project Overview

open Electives

↳ HLD

↳ Data Engg

↳ Product Management

What is Backend



hidden / facade from
user

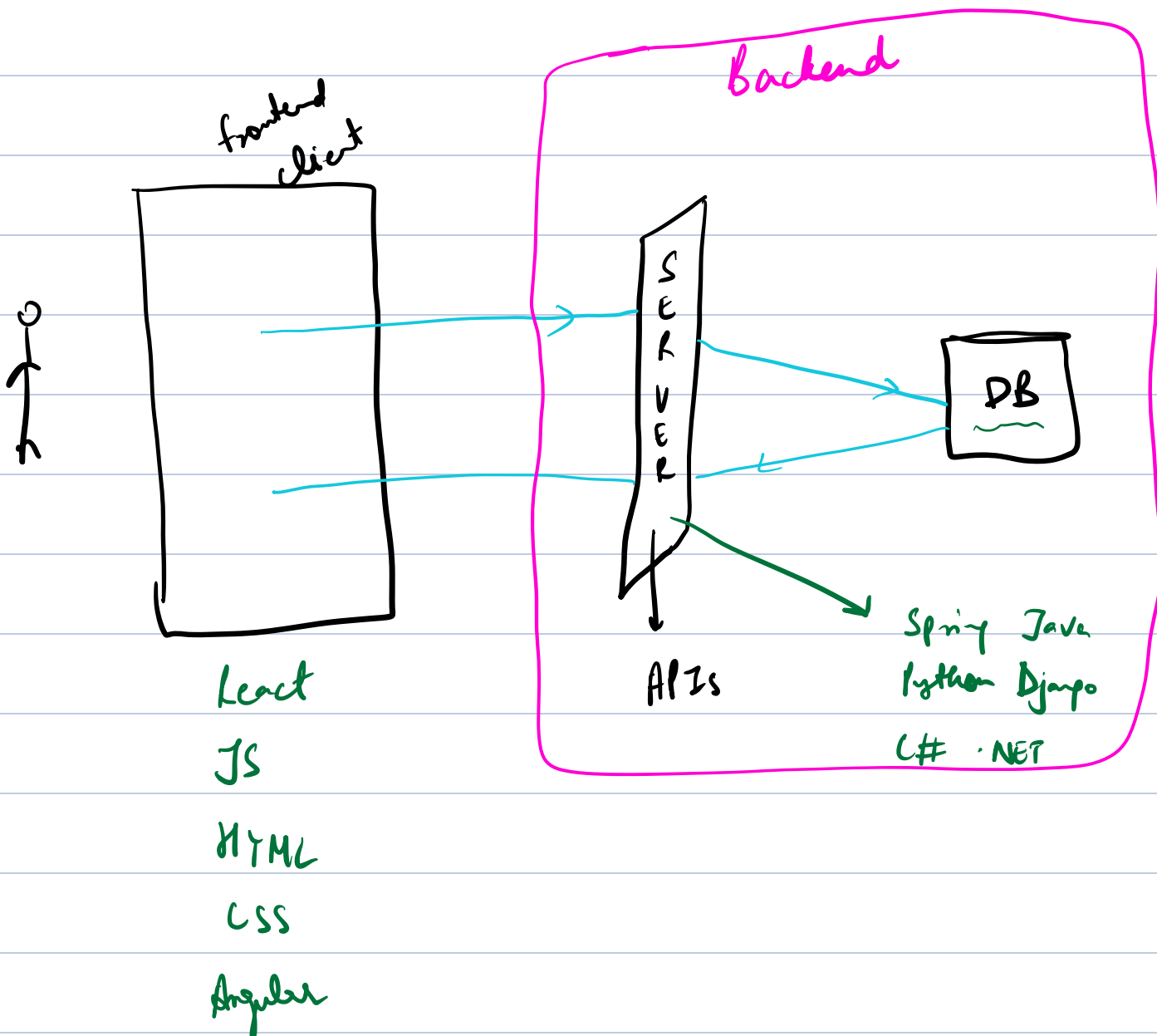
LinkedIn / Facebook

Jeewan Saathi.com

email

password

login



if why server layer?

↳ Validate Email

↳ Validate password

↳ Creating a new user

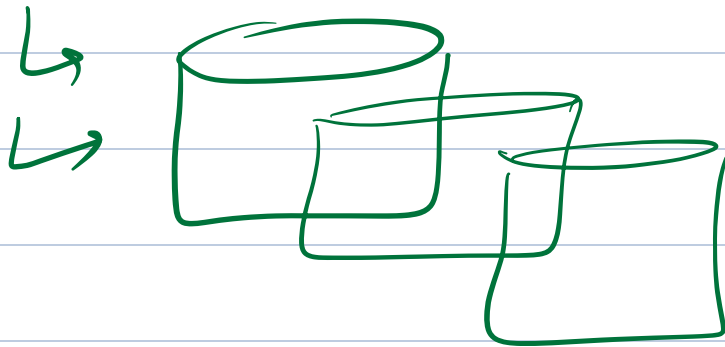
↳ return back response

Backend

• Security

why DB

all objects/posts in DB



Backend →

Cache

MQ or Kafka

Controller / APIs

Frontend

↓

Beauty

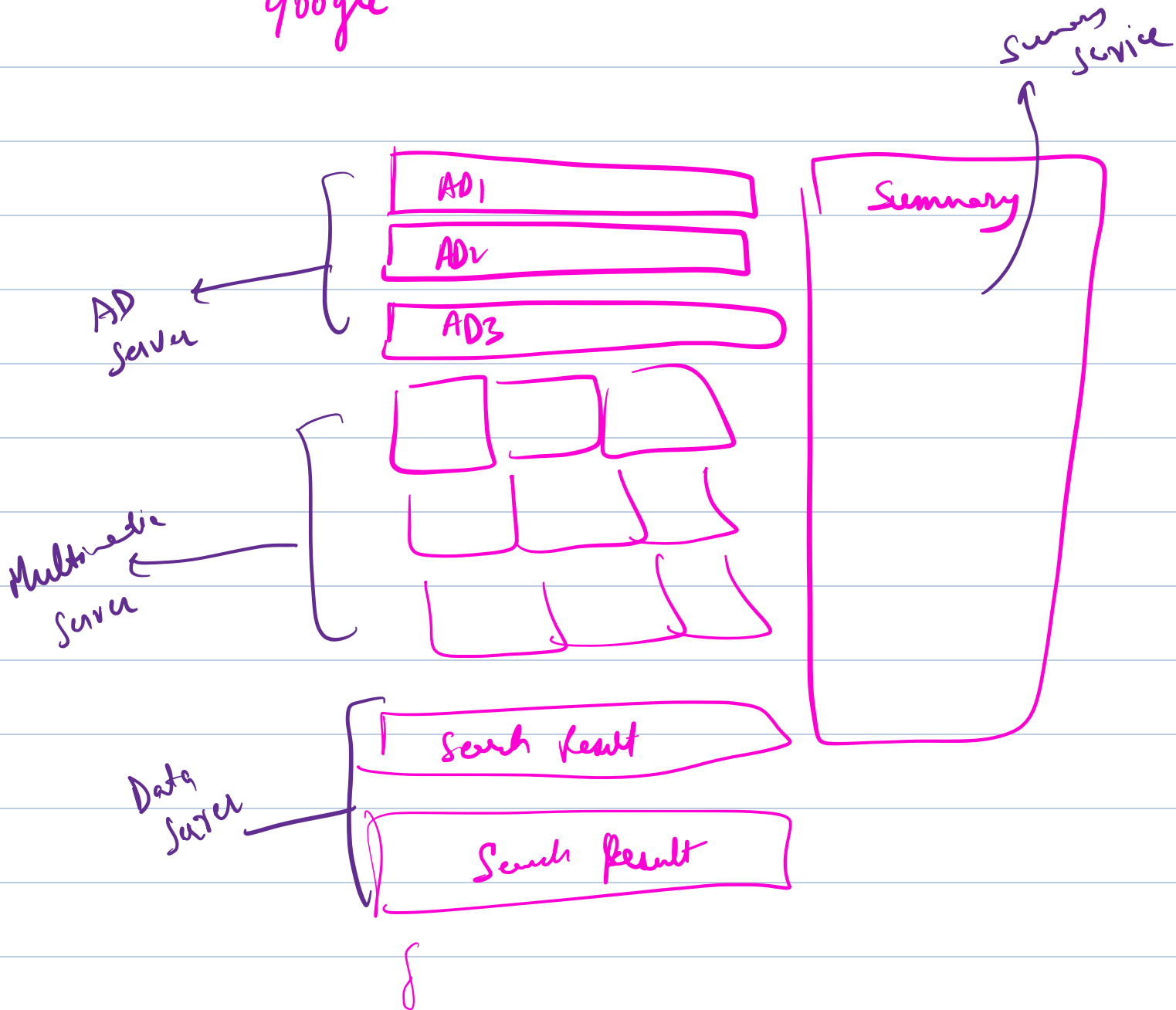
↑

Microservices

System

Brain

Google



Expectations wrot Me for
Project Module

1. Creating a project which can show our future Employer that we can be productive from day 0
2. Looking at best practices of common pitfalls around S/W

Do's

1. We will read lot of Documentation
↳ we will not stop experimentation
2. IDEs
chat gpt / Copilots
StackOverflow
testman / Insomnia
DBs

we will be using all these tools

3. Coding on regular basis & Pushing that code

4. we will be also using some Adv tools

Kafka

Redis

Docker

AWS

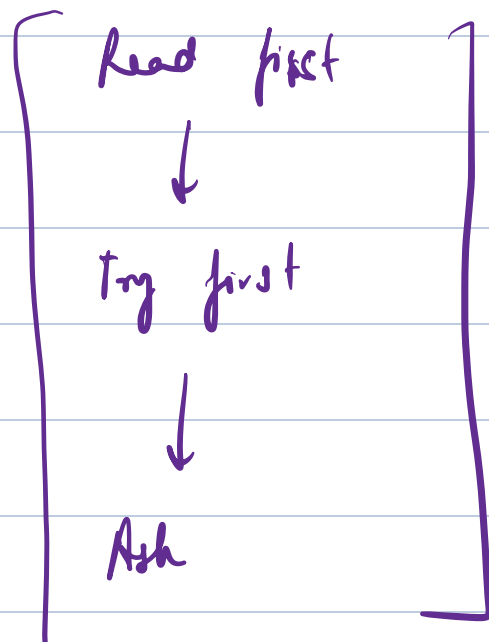
5. we will also be following some good practices

↳

Writing Unit Tests

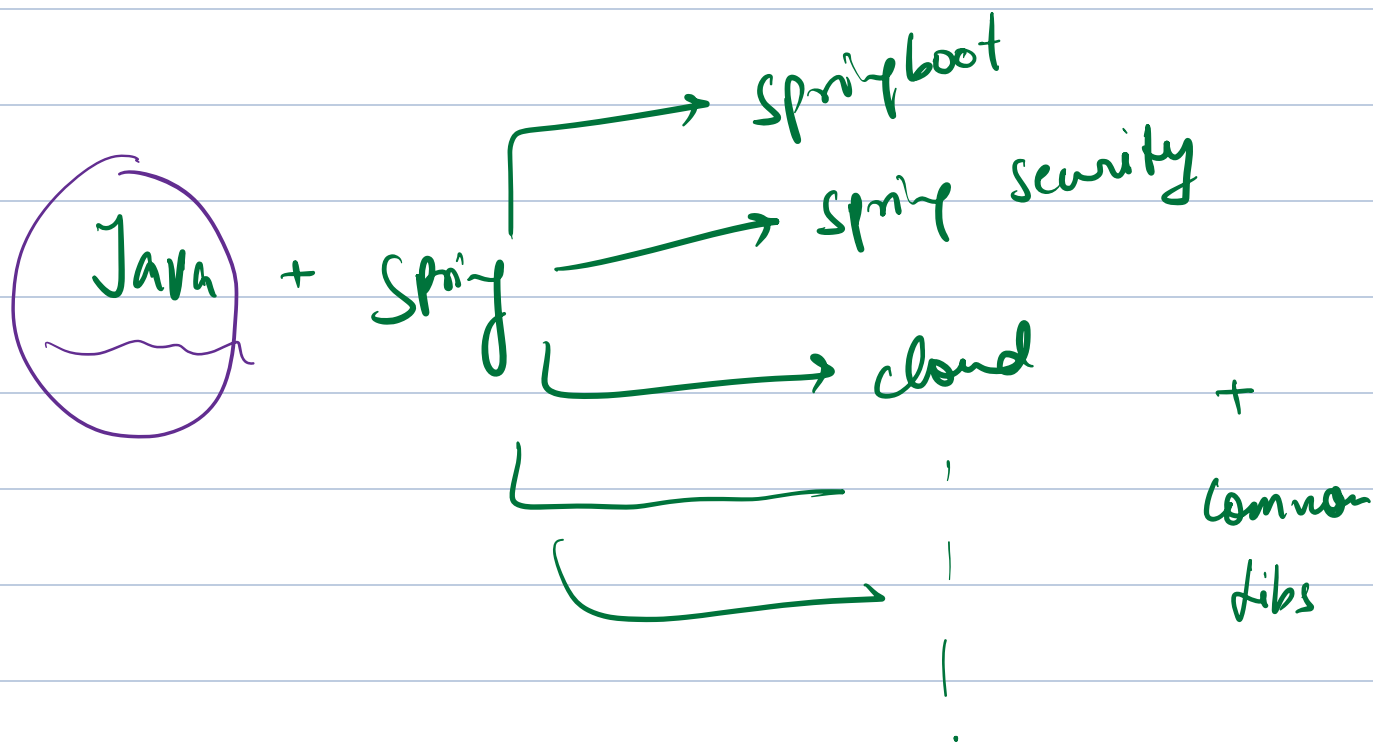
Don't →

1. spoon feeding X

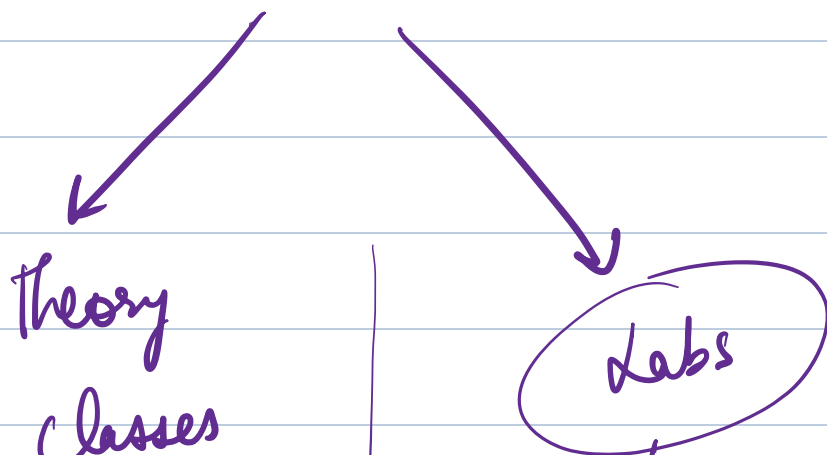


2. No rote learning

Curriculum



Curriculum



↓
go over
concepts
of
Hibernate
VCS
UT
Auth

↓
you are given a
task &
you have to
implement that
in 2 hr
2.30 hr
window

Week by week

Week - 1

Intro
VCS

1

week - 2

APIs
Spring
1st Microservice

1

week - 3

Db & Hibernate

1

week 4

Unit Testing

1

week 5

Authentication &
Authorization
(Create 2nd MS)

1-2

week 6

AWS
[Deployment]

1

week 7

Payment Gateways
Integrati

-1

week 8-9

Kafka
Redis

- 2-3

Docker

Service Discovery

