Agenda : Module Overview

① Github Student Dev Pack → Free
→ Intellij

Copilot ⇒ APT writing code for you

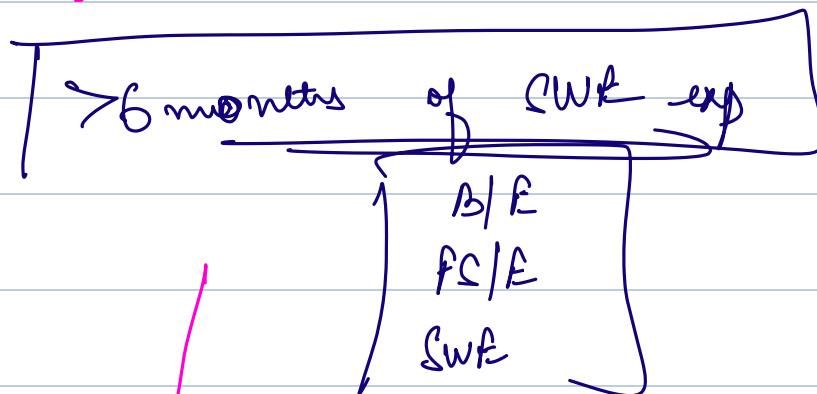**②** WhatsAPP Group.

③ What is Backend.

④ Expectation from learners. → Dos
→ Donts

⑤ Curriculum of the Module

99%.

⇒ This module is independent of any previous module that has happened at Scaler

⇒ If you are **an experienced eng,** this module will not be adding a lot of value in initial few classes.

> 6 months of SWE exp
B/E
FS/E
SWE

→ LLD/HLD will be more imp for you.

if backlog skip these classes and complete backlog.

Who should focus on this module

1) who have 0 or <6 months of SWE experience.

2) who want to change their tech stack.
| Java Spring Boot

C#/
C++

else: focus on your backlog first
(LLD/HLD)

I: Github Student Developer Pack

Free access to Github Student Dev Pack

① Github Copilot (AI for Coding)

② All Jetbrains IDEs (Clion,
                              Intellij,
                              PyCharm)

```
Check Promic Name (init x) {
    ___ = ___
    ___
}
```

│ Sanketh.me

③ 3 domain name

④ $200 for each of
    ⓐ Azure
    ⓑ DigitalOcean

Ⓗ/Ⓦ1: │ Fill the form of Github Student Dev Pack

By Friday (8th March 2024 5:00PM)
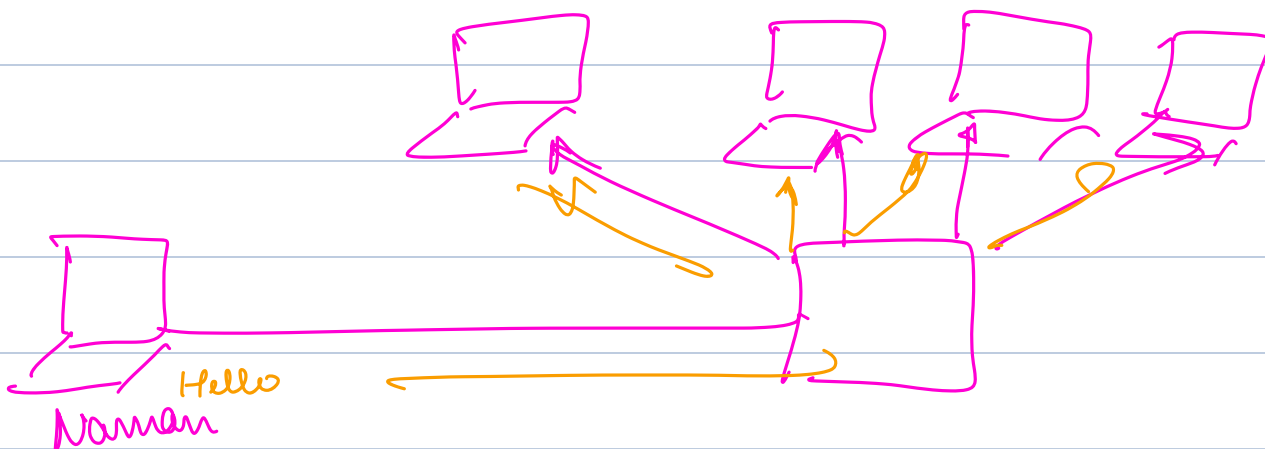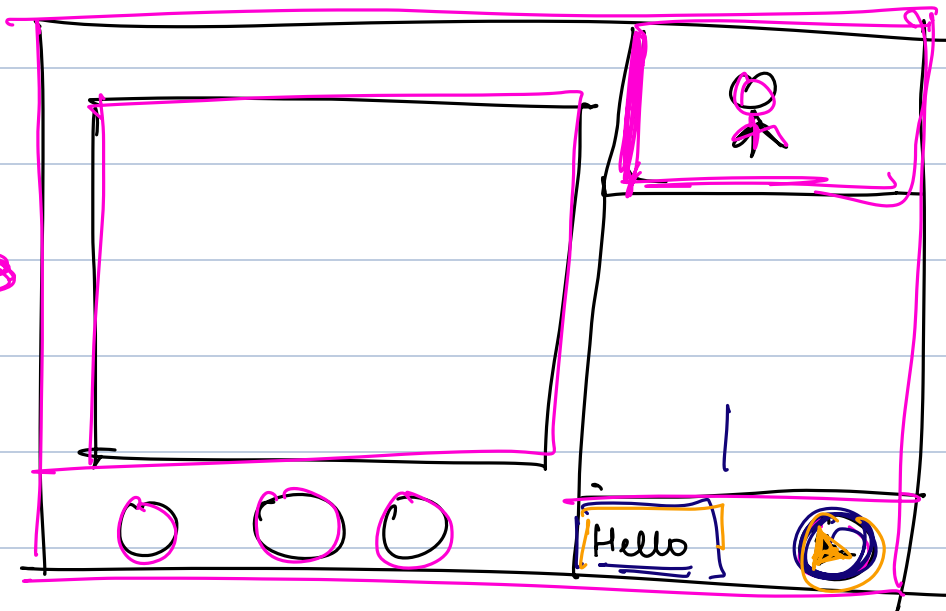   → Send by Saturday afternoon.
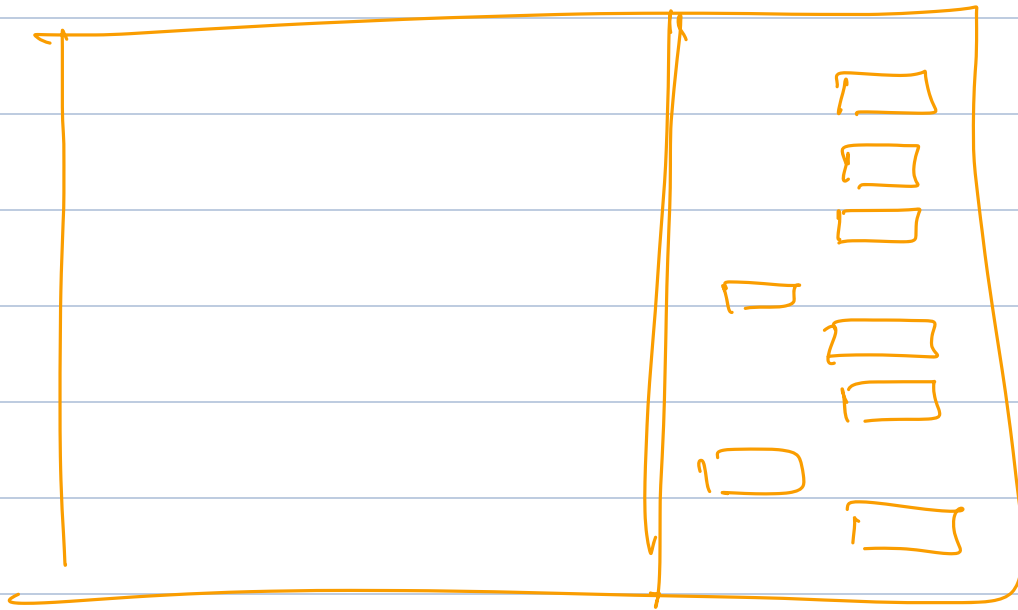
→ │ Support @ Scaler.com

WhatsApp Group:

What is Backend

a lot of complexity goes BTS to get a video Corraned to 100c of people.

User

Hello

Hello

Naman

(Someone must have stored the messages that you can see now)

Google

ina
ia ↓
igo ↓
iana ↓
ira gandhi

Frontend

Backend

User

GET /Suggestions?q=ind

Internet

india, indigo, india.

→ part of the app^n that is visible to the user

→ takes data from the user / shows data to user.

→ Stores the data

→ computation to compute data to be given to f/E

→ own database
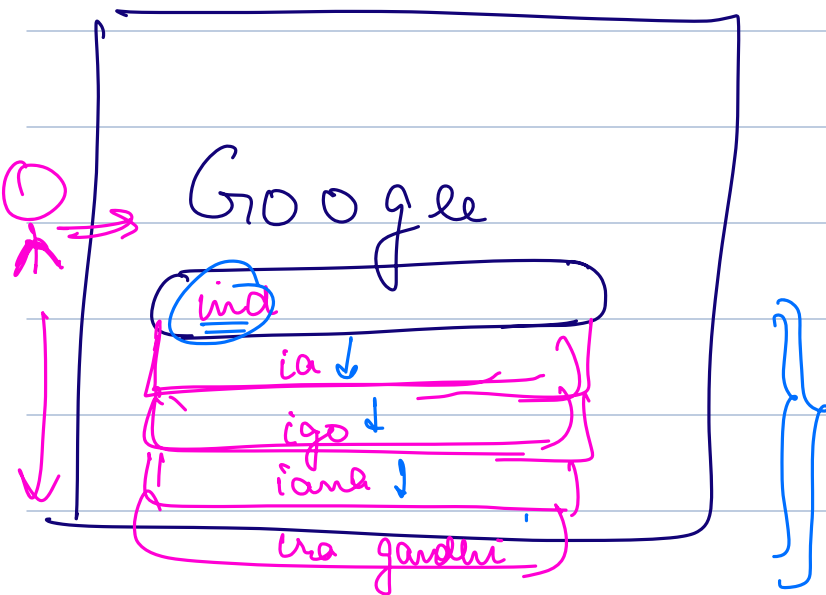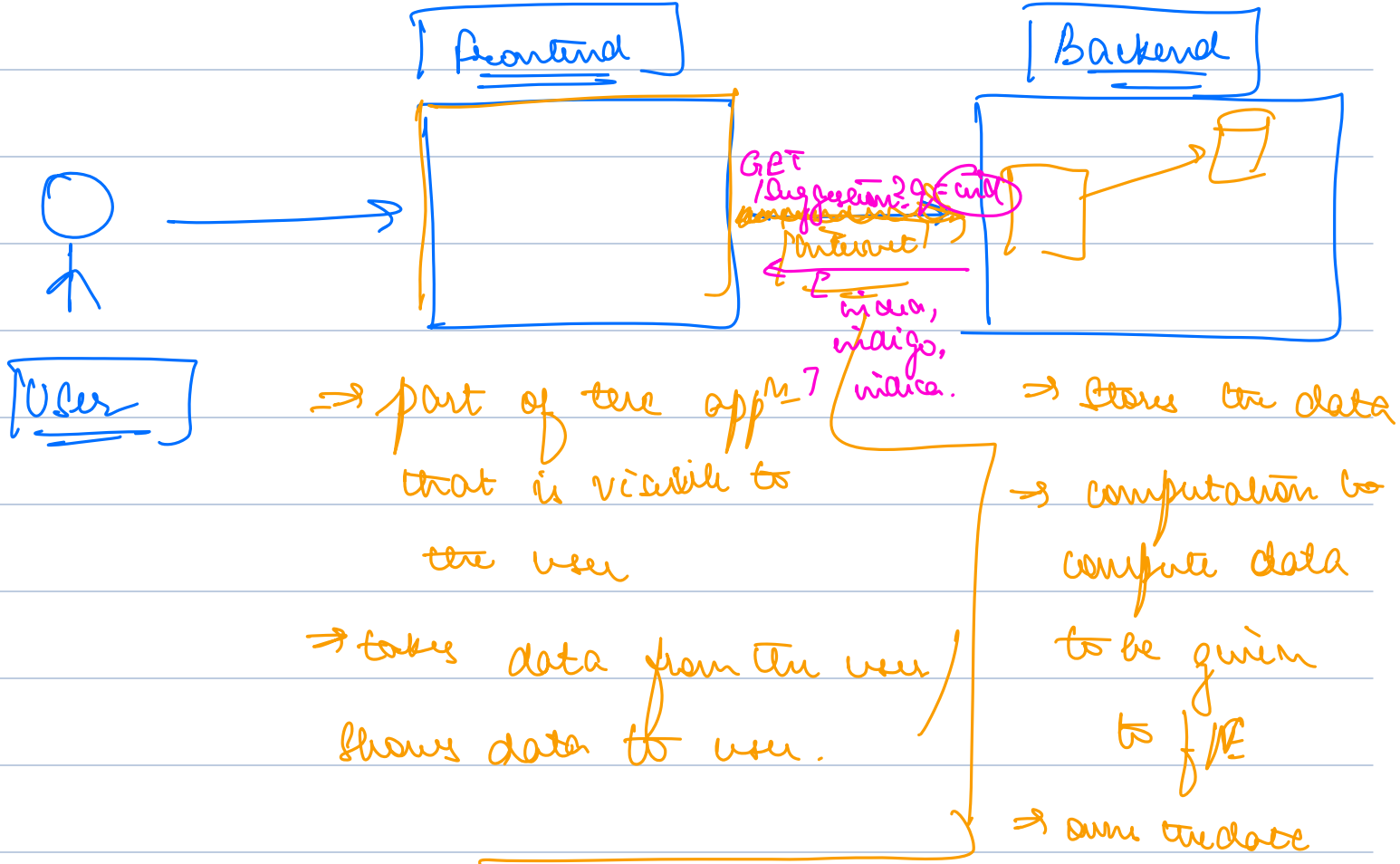
→ computers that are running BTS to create / flow data that a user may be interested in

⇓

Complex and nuanced.

→ types of DB

→ types of infra layers
   → Cache
   → message queue

Expectation wrt Backend Module

Why

1) Get a | technically complex | and comprehensive project in your resume.

Min in a good resume.

proj a.) Database
    b) APIS
    c.) Unit Testing
    d.) Deployment
    e.) Metrics / Monitoring

2) Teach best practices around common f^{n} that SWE might work on

→ Auth
→ Payment G/W
→ Testing
→ API Design

→ increase chance of you to clear interviews

DO

(1) Understand how real SWE work like

→ IDES
→ "figure out" =

(2) Teach you how to learn and how to figure out.

(3) common tools, nuances, best practices & to become better eng.

(4) get you to work on adv infra layer
[kafka, ES, Redis, AWS]

DON'T

(1) [Spoonfeed]

(2) [Memorization]

Curriculum

① **Foundation**
   → Git

② **Foundation Project**
   → Intro to Spring and Boot
   → APIS
   → DBS and ORMS
   → Authentication
   → Unit Testing
   → Pagin & Sorting.

③ **Deployment**
   → AWS → EC2
           → EBS
           → RDS.
   → Docker & Kubernetes
   → Monitoring
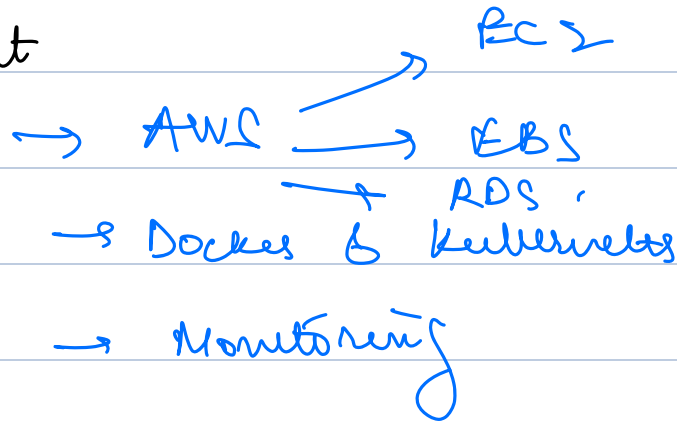
④ **Adv Concepts**
   → Kafka
   → Redis
   → API G/W

→ Elastic Search

⇒ 5 Services (app Spring projects)

Prog language

Spring Boot
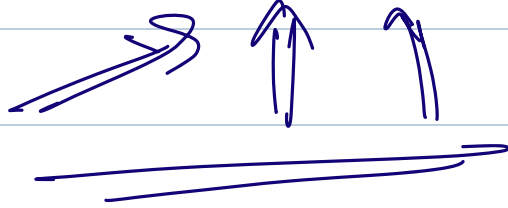
Using Java

⇒ 80%.
95%.
Spring Boot

of hiring parameter

Java

By Thu, recording of Proj Module in Python Django in Archived lecture

(F/E) after module ends:

recording of f/s (LLD) 1, 2, 3, 4
in your dashboard

1) Install **Git**
2) Install VS Code
3) Install Intellij Ultimate