

Agenda :

1. Intro To LLD .
2. Why LLD is important ?
3. Structure of the LLD Modules .

Introduction to LLD

L : Low

L : Level

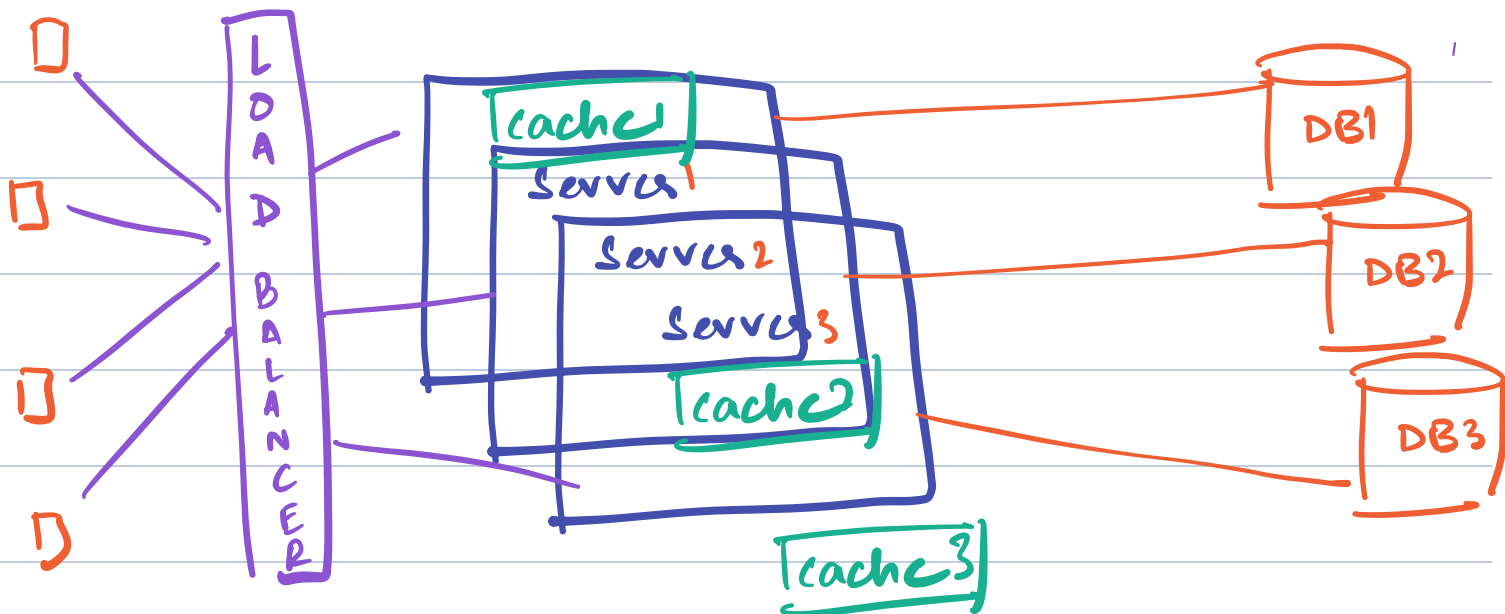
D : Design

H : High

L : Level

D : Design

→ Overview /
Bird's eye view



What is LB?

What is a server?

What is a cache?

What is DB?

Computers / Machines.

Programs → details of these programs
or
designs

LLD

Readable

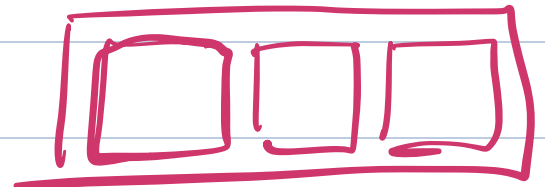
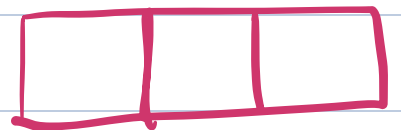
Understandable

Modular

Reusable

Extensible

Maintainable



12% → code

What do Software engineers do?

1. Requirements Gathering
2. Meetings / Scrum
3. Developing
4. Testing
5. Code Reviews
6. Debugging
7. Deploy & Build → Run pipelines

Readable

Understandable

Modular

Reusable

Extensible

Maintainable

Ability to add
new features

- debug the code
- performance optimis.
- dependency update.

Why LLD important for Interview

	(Flipkart, CREO) <u>Zeroth Startups</u>	New MNC's (FAANG)	Passel (Walmart, Adobe) Old/Big MNC's
SDE1	Machine coding	NONE	OOPs, SOLID, Design Pattern
SDE2	"	<u>LLD Round</u>	<u>"</u>
SDE3	"	"	"

Machine coding → Req, Design, Development, Run
2hrs - 3hrs

LLD Round → Req, features, Design

↓
→ Class Diagram
OOPs concepts

Structure of LLD

LLD1	LLD2	LLD3
12-13 classes (5:7) lab: live	9-10 classes	14-15 classes
OOPs - 4 classes	SOLID (2-3) classes	Case Studies
Multithreading - 4 classes	Design Patterns -	TicTacToe <u>Game</u>
Java Adv. Concepts - 4	Creation al - 5 dps	Parking lot <u>Org.</u>
- Generics	Structural - 3 dps	BMS <u>Order, Multi</u>
Exception	Behavioral - 2 dps	Splitwise <u>Finance</u>

Exception
Stream
lambda's

UML Diagrams

Design + code

HLD

SQL vs NoSQL

Caching

Security

Authentication

DBs

HLD

LLD 4 - Capstone Project.

E-commerce Website

→ APIs, creating DBs, Deployment,

Expectations

1. Why Java?

90:10 split Java : Other languages

Backend Jobs

1 month

→

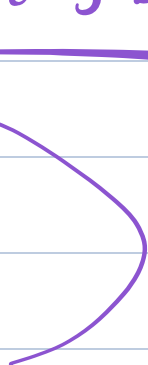
2 months

→

Theoretical

↓

Implementation



Expectation from you :

50 people



30 people



Mocks



Assignments



Contents



Good Jobs

Assignments



Java

Python

