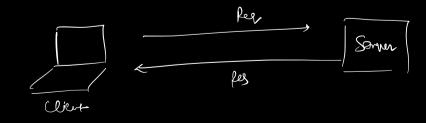
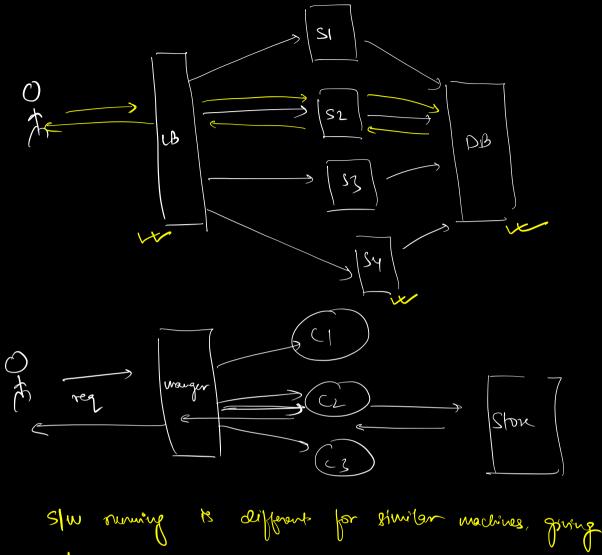
LLD - Introduction to LLD and OOP

Agenda: Ċ 15 Led forled LID important C^{ij} B you Structure CW of MD Puto to 00P CUI La Bantes OOP priveiples low-level design **2**) righ been derign





Character's hig

of different in fras meteral layers that derign HLO O

LLO => law level design

=> details of b/w system

>> How B a S/W system implemented

· what all package use be there—

clams | Methods | UKLikes etc.

· How one there things going to talk

HLD -> architectural

LLA > S/W impl Changy

[Object Oriented Design]

* 86 %. <3 hrs colling (day

* 121, of day goes into cooling

40 UPA -> 4.8 UPA

=) Code Review — Ped code
> Meetings and communication gather requirements, > Pesting > reading code gather issues, ven feature
U
=> Delongging -> reading code
2) Analyzing and reading wate -> gathering requirements and taking ven feats
> Documentation - radby well
LLD - water your to easy
2) Code 1) Understeundable [best documenfatuers le a well? worther water
(1) Easy Requirement gathering
10) Extensible odding ven features.
(V) Maintainable performance updation
bugg
Log47 (brang updates)
Huarak 617

SOE - 2 + LID | Machine Codeny, Suight,

(red, Scaler, Unachung, Suight,

(D'Sele, Peipheart
Brig MNCS - Startups

SOE - 2 + LID | Machine round (65)4

1) OOPs (& classes)

1) SOLID (I class)

11) Derign Paltern -> (4 classes)

(10)

W) UML Diagram -> (I (brs))

v) Schema Design -> 2 classes

	=> Case studies	(How to approach LLD)
Enkes	Clans	Aengn
bounes	Tic tac toe	Chens
	Snatus 2 ladden	Card Crame
Real Systems	Parking Lot- book myshow	Amazon (perpuen
Shird Peopl	Most corup	
Sp. T	Spliture	
Eng produn	Distributed	
1	Cache	

Assignment

1) Med > Ooks clames => Auto

10) Diagram -> Clan diagram -> 3 pearmine

11) Diagram -> Clan diagram -> 3 pearmine

12 diagram -> 4 1 Scaler

13 pearmine

14 pearmine

15 pear review

16 product

11) Write code => product

12) Write code => product

13) Write code => product

14) Scaler review

- t we divide our code base into a bounch of procedures.
- t every procedure may internally call other procedures
- * Execution of program storts from a special procedure (main)

Procedure: Set of instructions that might take some ilp values and perform same action based on him and may not return anything parameters

- 2) You are bading a team
- Write down the tasks that weeks to be done tomorrow

Someone is doing something

Action

= | Entitles performaction | = Real world

Procedured = Aillions are happening on entitles.

> Procedures

action (C) { } actional() {] action 3() 5 5 NSpelsook

4 (A) will report to

conound by Estuesh

(B) usy some isone XY2

· C) should prish take

" E should give bet

Struct Student & => Structs are confined that contain diff data types together to separant something gender;

> Cite a class but has no behaviour only data points

PricreaseAge (Student, Offset) &

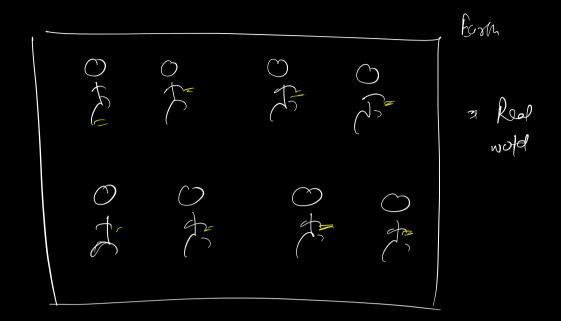
Student age = Student age 4 offset

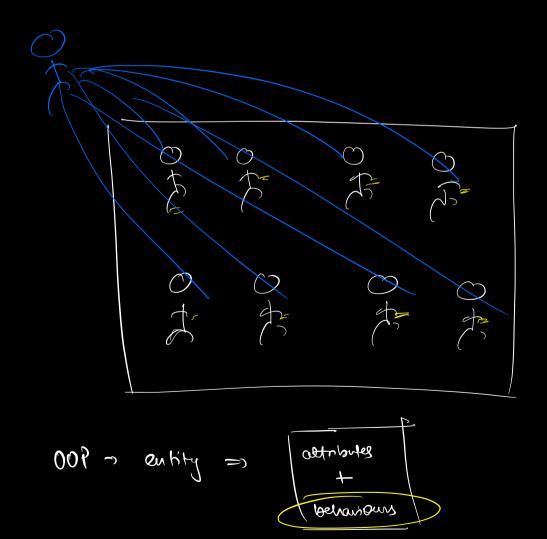
3.

Roof world or entities perform action

Procedural becomes difficult to understand as it

does not replicate real world.





entités contrôl what behaviour can be performed on thum

· CONT of beorganish beodesunged.

) Difficult to make sense in a complex system

Jib 29 pribroterabry Cu

quoleb bus quelles of file (11)

(n) B of Intendependencies

L spagness code

: OBJECT ORIENTED PROLI-

Principles

Sysken | fundamenta

(1) Alos traction

Pillan

- 1 Eneapsulation
- (1) Julier teure
- (11) Paymorphism

5)	Alos braction

P	foundation	of.	001
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=> Principle on which OOP is based

Abstraction 3) means making something abstract

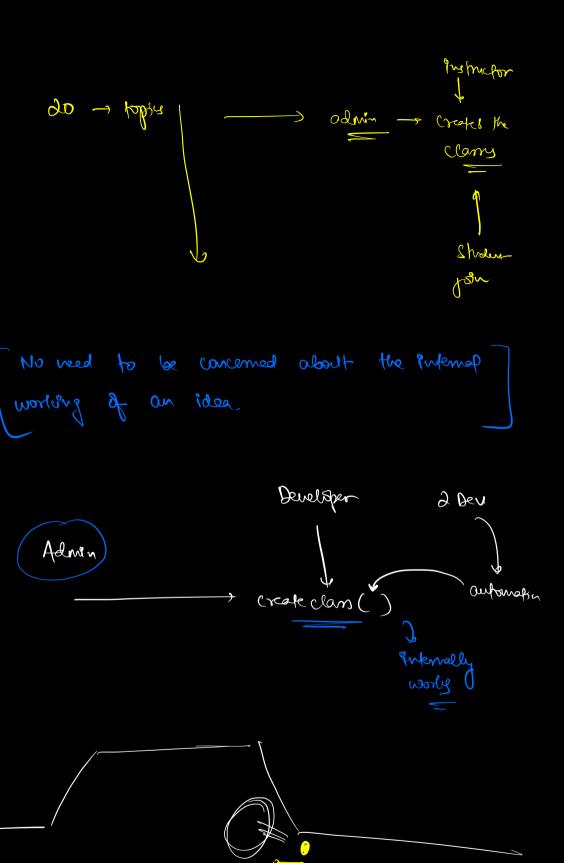
sep something as

an idea

Rep a complex signare system in terms of idaes

entities that would have Some data adjached to them, and they'll perform some actions.

Sealer Student Clans Pushuctor - vame - fale - Offerd Clane -reschelfer -add bookman -add willes defails -drop close Questin worth reard raky descript J 6b Help Request Admin Schodule Jans Rechedite



Mos traction - (Parget)

- 1) Rep. a complex system on terms of idea + dota + behavior
- (1) As a client, we don't need to care about how a particular idea works internally we only core about the exposed behaviour.

Pillars - vary claro