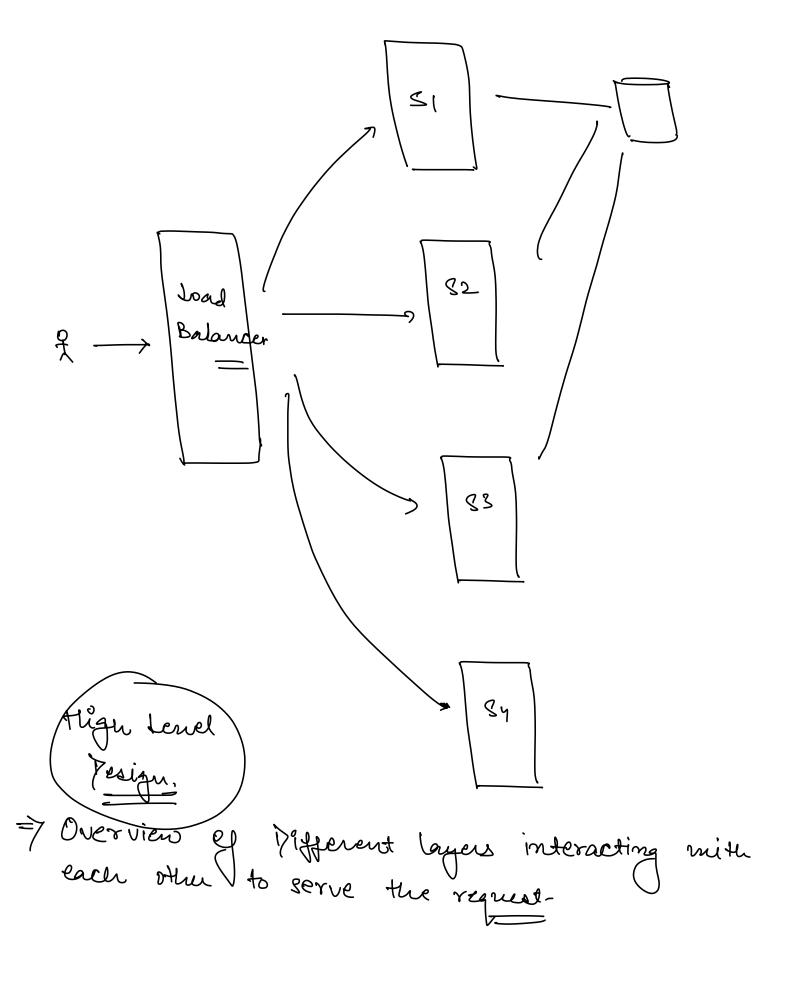
Agenda.
1) What is <u>LLD</u> ?
1) Why LLD is important?
3 How to approach any LLD problem? Requirements Gathering Class Diagram Schema Designs
1 LLD of Payments Apps.
Doulds.
LLP.: Low High Overview level Perign. Design. Design. Design. details.
→ Duculoaded → Single Point et



=> (LLD): Study of software running invide the myc. thow to write good saftware. Thow to write good code. LID. -> Understandable & Readable.

-> Externible
-> Maintainable. -> bonion classes Abstract Class -.. (2) Why LLD is important. ? To write good lode in our work. > To get thired.

7	resigning Testing Requirements Code leview
	At least one 210 round.
	Joblem Statement.
	(2-3 hours) Marhine ? Fliphant Cred Smiggy 20mato Cosling Cosling
	→ Regnirement Gathering (5-8 Lore features) → Class Tingram.
	> vohat all the classes (interfaces will be there in the System.
	7 Vesign Patterns
	7 Perian mucèples (SOLID)
	Y Schema Design. (Patabase)

Tables

Comme in a table

Relations blw the talles.

(Cardinalities)

-> Cone.

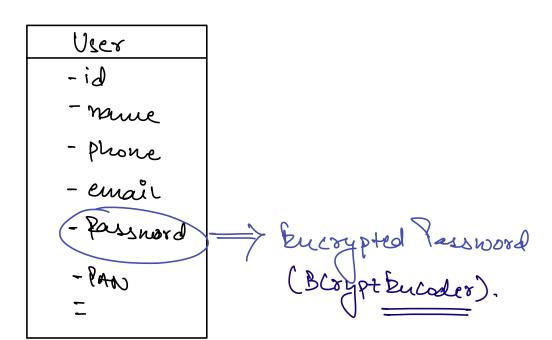
Class Dingram.

Strema Design

Code,

Juterview Problem.
Perign a roument Apps.
1) Requirement Cathering Edge Cases. 2) Clarify requirements.
(3) Class Diagram. => Entities Classes
F Go through all the requirements and find the Norme (Entities) for which me wand to store the data in our systems.
Payment. T1 Split Partial Payments. T2
10007 Amazon Pay II -> Wallet Payment- 8007 CC.] T2 -> CC.

7 Clase Diagram.



- id
- number
- ifsc
- Bank Name
- balance
- Dring User Saving
- acc-type
Current

ACC_Type Va SAUINGS, CURRENT, Payment
Source (user)
destination
amount
id
time
ifsteast
Status
List(Transactions)

Transaction

-id

-amount

- Mode

- Hime

- Status

- Source

- dect

Status

SUCCESS, FAILURE, IN-PRUG, REFUNDED

SCHEMA PESIGN.
\rightarrow Assume it to be a Relational DB. \rightarrow Tauses.
I what all the columns.
-> Relationships bjw the table.
For every class that we have come up in the class diagram, create a talk for that.
Users
id name Phone email Rassmord.
accounts
id acc-no lifec branca
transactions
id Payment-id
Payments

[· - - - .]

id	Value

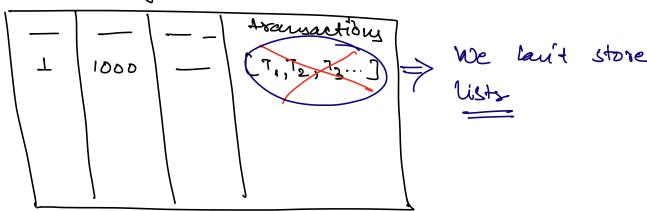
acc-type

id	Value

Primitive

- L) Store simple attributes as it is in the DB tables. (String | Boot | int | ...)
- 2) for non primitive attributes, find the Cardinality & apply the respective rules.

Rayments



Carolinality: How many A's are connected with

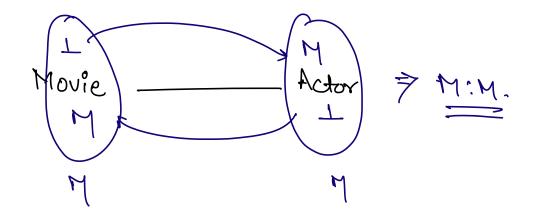
I: I] > Id of one side on other side. I: M] Id of (1) side on (M) side M: I] Id of (1) side on (M) side
M:M) => Mapping Table.
Instructor MarterCars. => 1: M
L M

Instructors

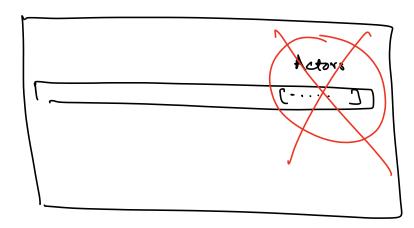
id	name	Master-yasses	
7	Deeple	(4,2,3,)	
			,
		/	

master-llass.

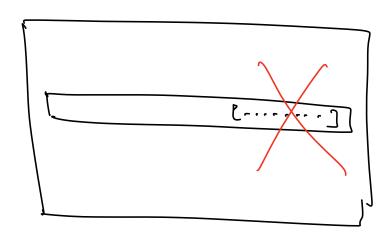
(d)	title \	Pustonetor-id	
•			J



movies

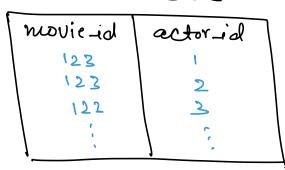


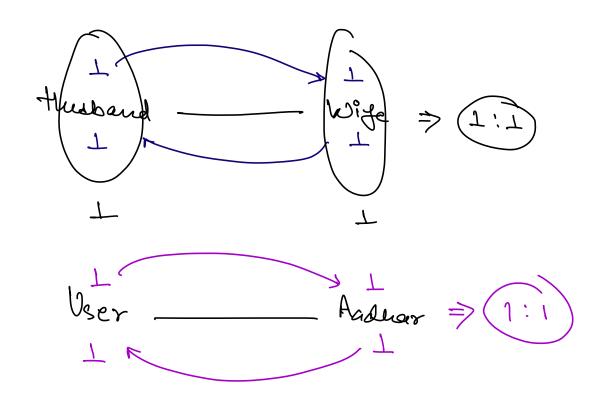
actors



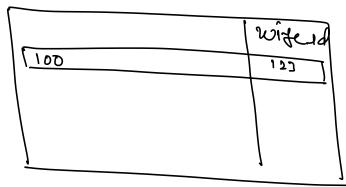
New table = Marking Table.

movie_actors

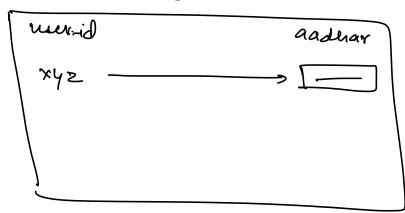




hubands



users



Payment Transaction => 1:M