CAP Thursem

Consistency

Weak Eventual Strong consistency

Availability

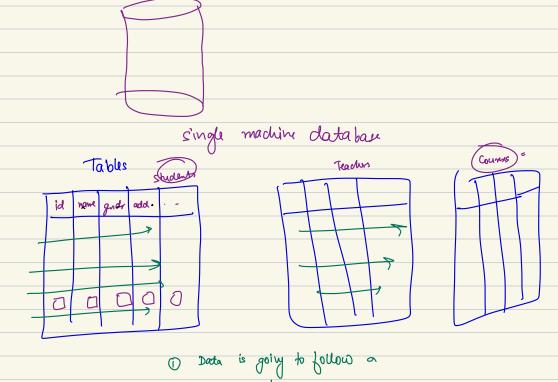
Websch Pahitian Vs Avail

2

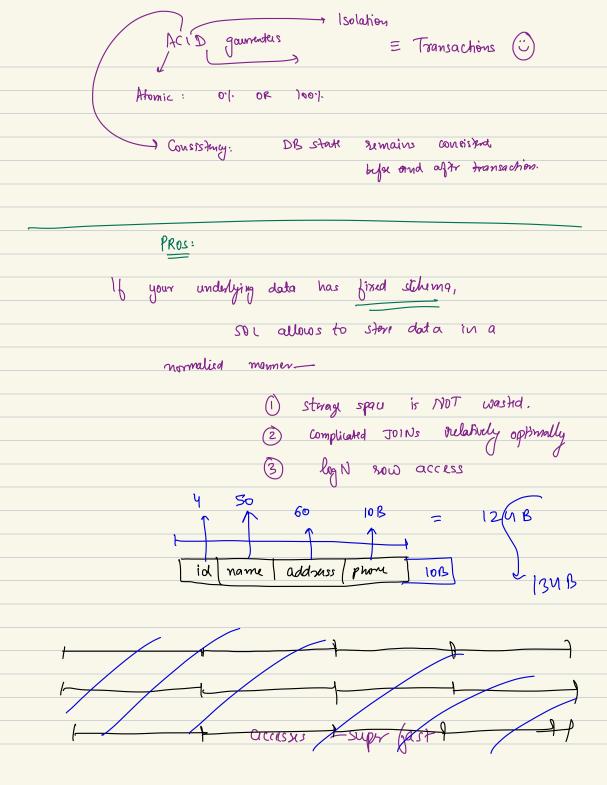
Normalization

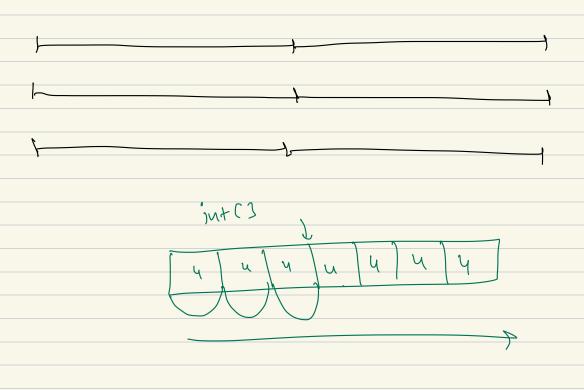
S-course



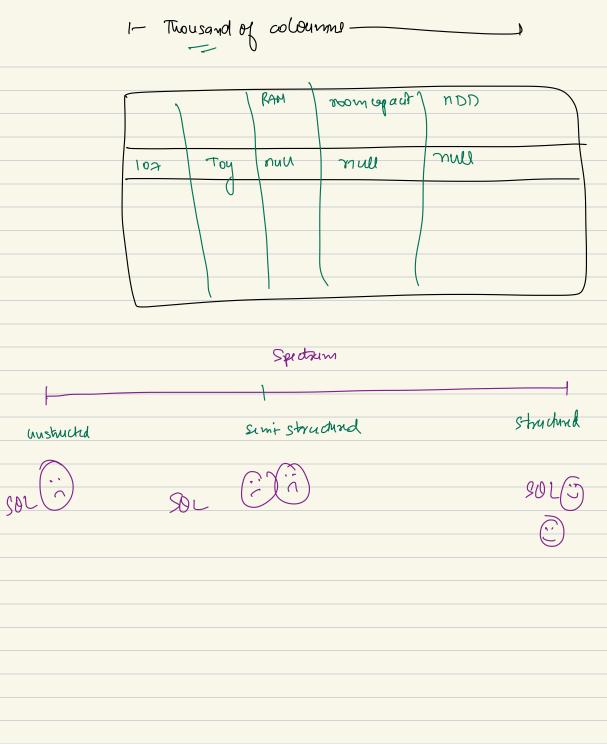


→ (JOINZ ()





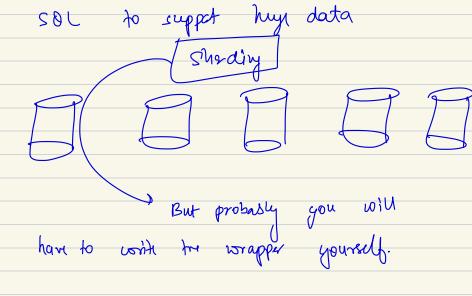
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Assumption: SOL is single machine DB

-> normaliation -JOINS

-> ACID gaurantees



ACID gaurentus -> out of a single box

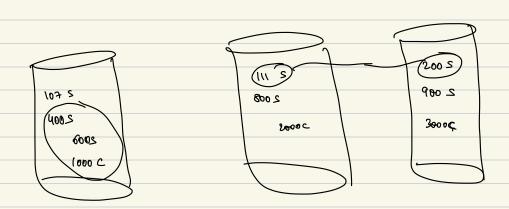
Transaction on data which
sits on a single machine

only such transactions can give you

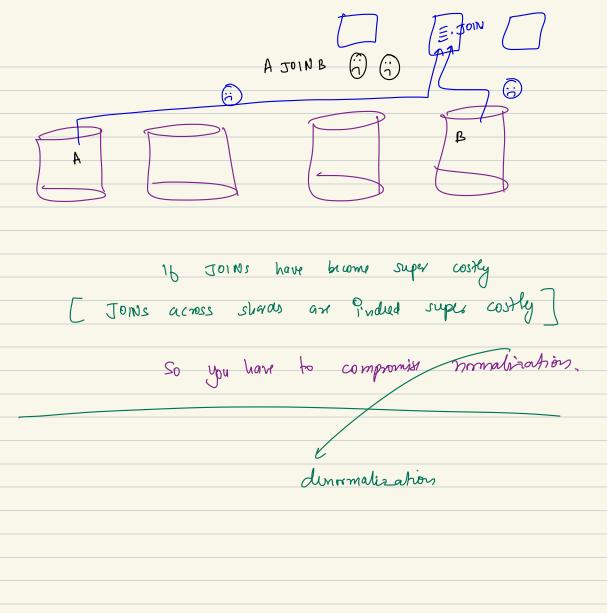
ACID gauranters.

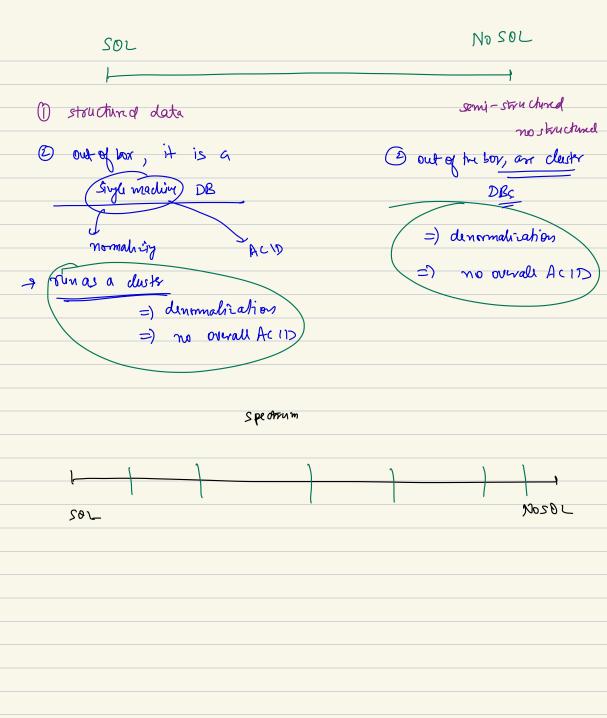
intrashed sal transaction -> ACID (1)

intrashed " " NO ACID (1)



In case of shorded SDL, the best way would be to assume that every shord behaves like an independent SDL database.



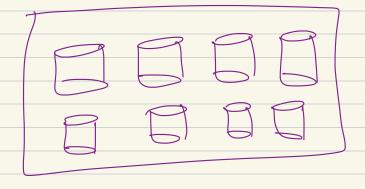


NOSOL

anything which is NOT a SOL is a Nosoc

- () (semi structured no structed data)

 () By despu, horrondally shorded database.



NosoL Value database Nosol Venu, 110052,

- Monjo DB, CouchDB, Elastic Stach Document DB data as document documnt-id, { GOZT Shadiy key Amazon epample (product) 107 : 2 name: cat's toy prou: 400 color: Blue + orange Catgory: Pets Toy; Pets; Toy Selbr: Xyz nami: (luovo lap)op phu: 80,000 Catyy: computer, laptops, Genovo lidd: 5004B RAM: 8GB Process or: - bocers u.

You can create 'in dupos gury documents not only band on doc it but also based on alphbutes. | load Balancer | Reverse Brogy

fulch DOCS When Category = laptop						
Load Balancer						
document dB also allows to orate indupes						
They allow quires (and also induses to fastion these quisis) on internal attributes of documents						
downers are arranged in collections						
Tags metadata directories						

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A wide coloumn DB has CFs (Coloumn Families a collection not fixed value of any coloumn Ourshon

Nosol has less checks and balances

TRUE

gov will have to ensum whatever

Checks are meded are handled
in your application code at your

app servers.