

Tuesday, 29 November 2022 6:35 PM

① Course: Introduction to DB "Meta" Coursera ...

② Data intensive Application...

Database

Data Storage

Software Engineers
From Scratch

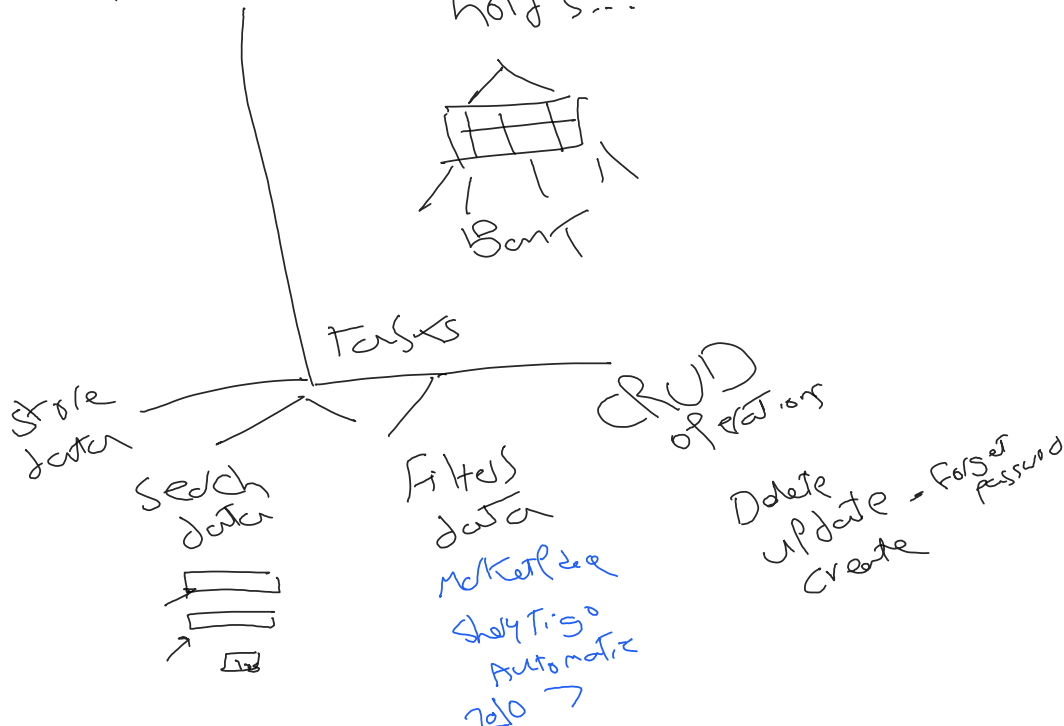
① Store data Facebook database
Photos, Post, Reactions...

data storage
database
good tools

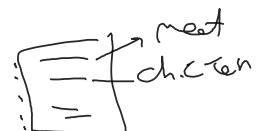
② Cache Remember Result

③ Send messages

Database: a form of electronic storage that holds...

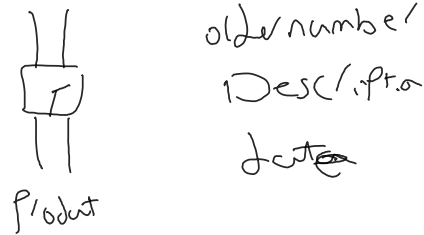
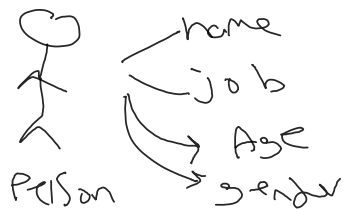


DB: Mom store notebook cooking foods



What is Data?

Data is Facts and Figures about anything



Data here, is no longer stored in manual files
Database

Entity is like a table:
~~Physical Person~~
~~conceptual~~
~~older 1 ---~~



record

email	name	Gender	title
			user1
			user2
			user3

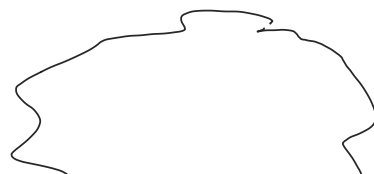
Entity, relations, table -

- Columns
 ① name → string
 ① Datatype → int
 ② Domain → max length

Database types

- Relational DB - used to store structured data
SQL
 - Graph database
 - Document Database
JSON javascript
- } → No-SQL

Storing Data

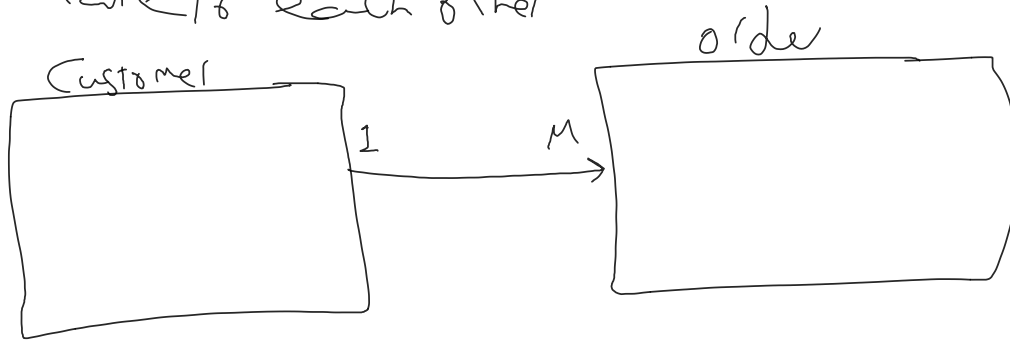


local
machines

Cloud

Relational DB ?

The Tables called Relation as They
Relate to each other



every column has a datatype:



- ① Reliability
- ② Scalability
- ③ maintainable