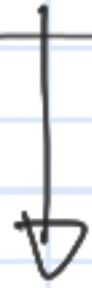


→ se pointer sur le projet

\$ nodemon server.js



La part du

serveur BE

Server - - -

Bash 1

\$ npm start



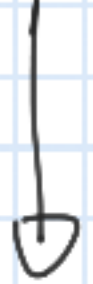
La part du

serveur FE

Compiled Sully

Bash 2

\$ mongod



La part du

serveur DB

serveur en
cours d'installation

Bash 3

DataBase : espace de stockage de données

Familles

① SQL



Structured Query
Language

NoSQL ②



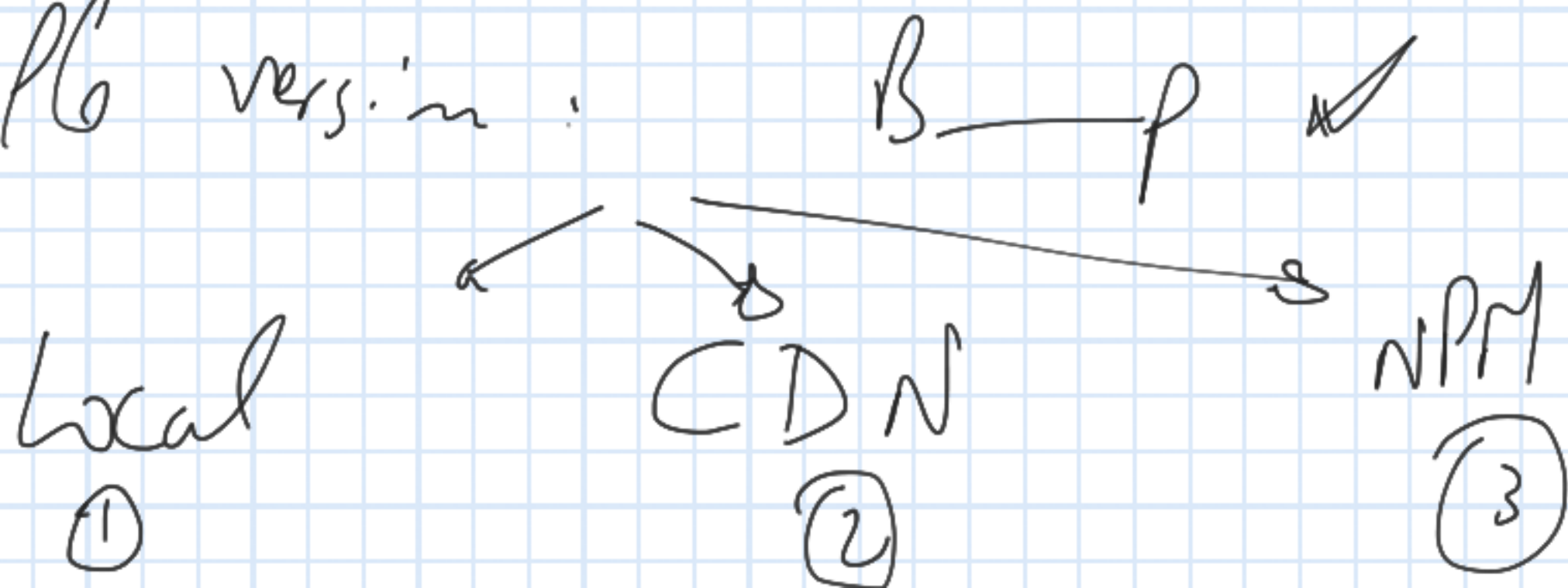
Not Only Structured
Query

Bootstrap : Framework CSS

Ancienne version :

{ jQuery ✓
Popper ✓
B—rap ✓

Nouvelle version :



① SQL: Structured Query Language
ensemble de tables

users

Keys

products

orders

LS: espace de stockage local sur le navigateur
(5 - 10 Mo)

Key	value
users	[1, 2, 4, 4, 4]
product	[1, 1, 1, 4, 4]

table: ensemble de lignes et de colonnes.

SQL: ensemble de tables

Structurées

Toutes les lignes ont la même structure

users

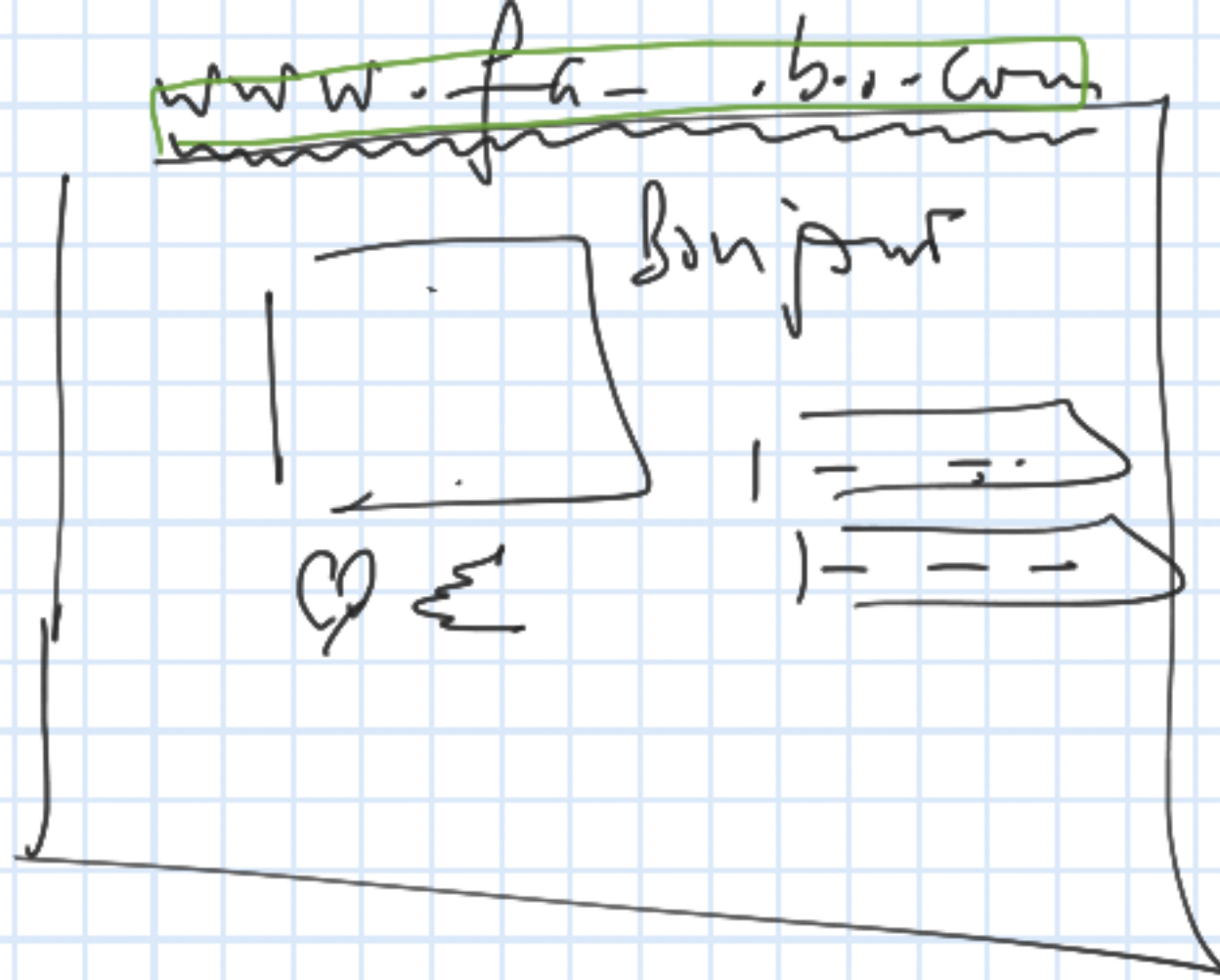
ID	FN	LN	Tel	E-P
1	A	B	2L---	null
4	C	D	22---	null
5	E	F	21---	null
9	X	Y	gr----	x@x.y

✓ SQL

} 1 M lignes
null

Gas ——— Plage de la
ni re

Omar :



URL de base

Publication

id,

userId

, description, date, title

interactions, comments

cl

Primary

Primary Key

Publicat-

4.2 MD

SQL

PK



Unique

(gènere
Aut)

4.2

MD

lignes

ID	Unid	Cont	Des	Conts	Interact
1					
2				null	
4				null	
r					
g					
2					

null ~~vide~~

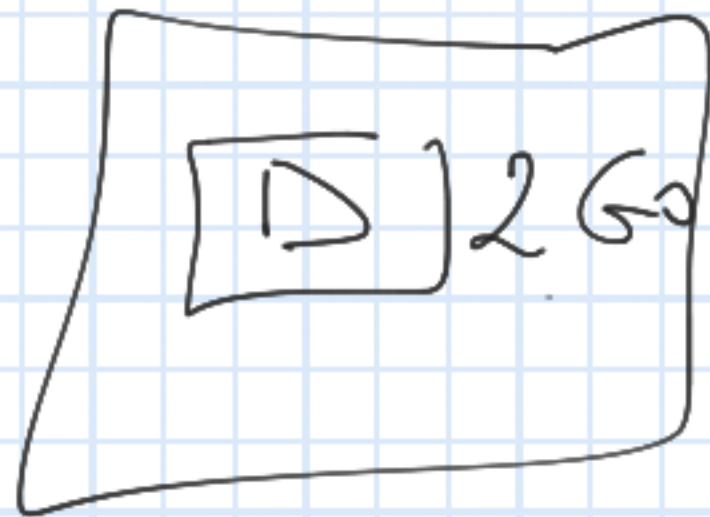
4.2 Colonnes null

Big

Data

Big Data

Machine local



Upload

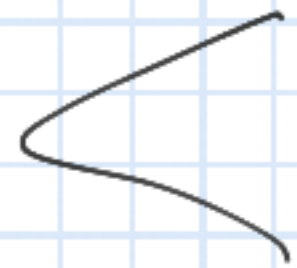
Machine local → Server
Dist

Youtube

Download

Graph FB:

Machine
scale



input

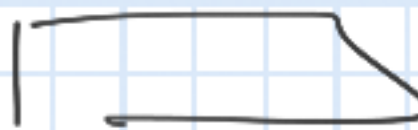
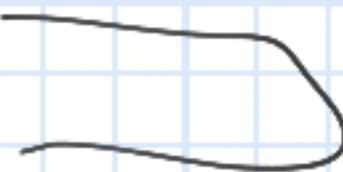
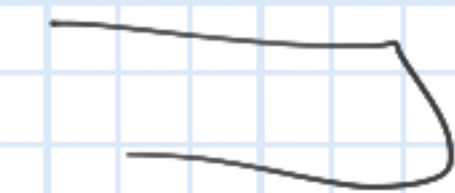
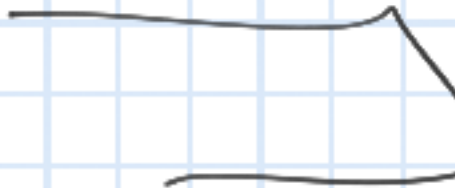
type: "file"

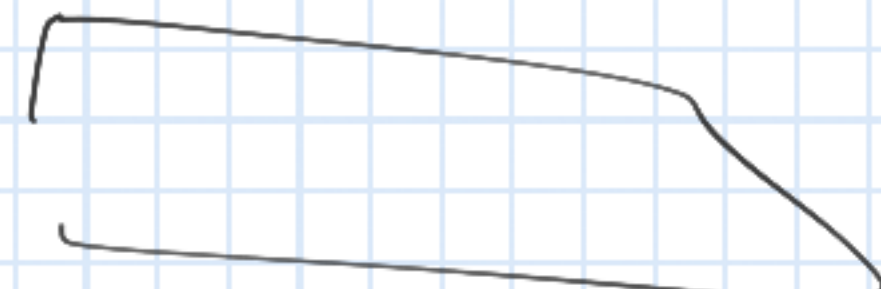
Signup



fn
LN
E-P
Pw d
tel
Ac

Image

S - One | 
 S - Two | 
 T - One | 
 T - Two | 

Input
 type: 'file' 

Server Disk

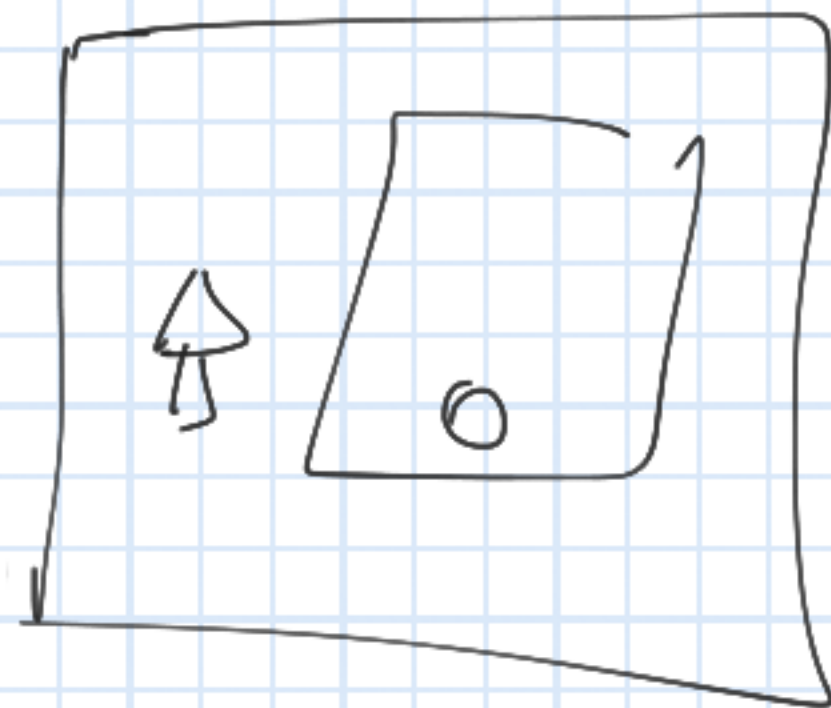
Mach
Wale

Youtube

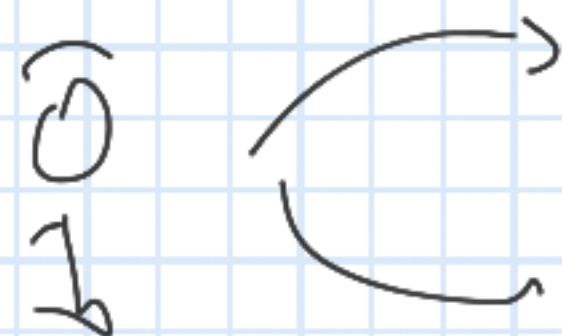
Physi

Gen
 Disk
 Load
 ↓
 Physi

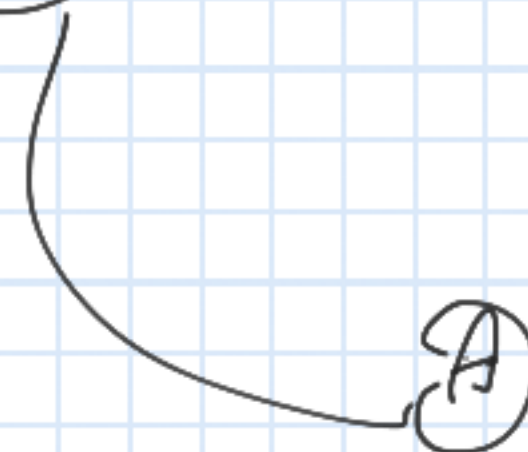
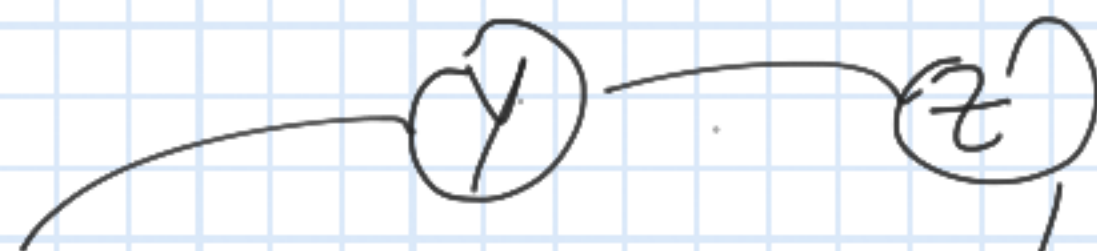
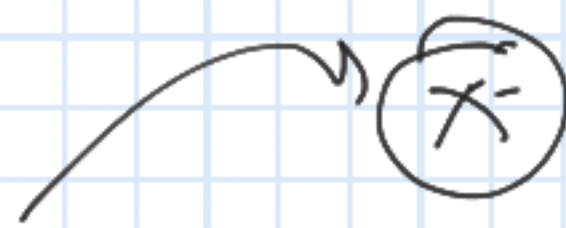
$L = 2AD$



{ id, user, d,
product, t, d
interested, hme }



Oman

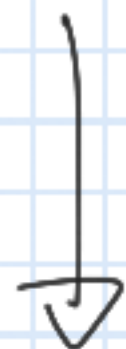


Plan

fb : 2005



2007

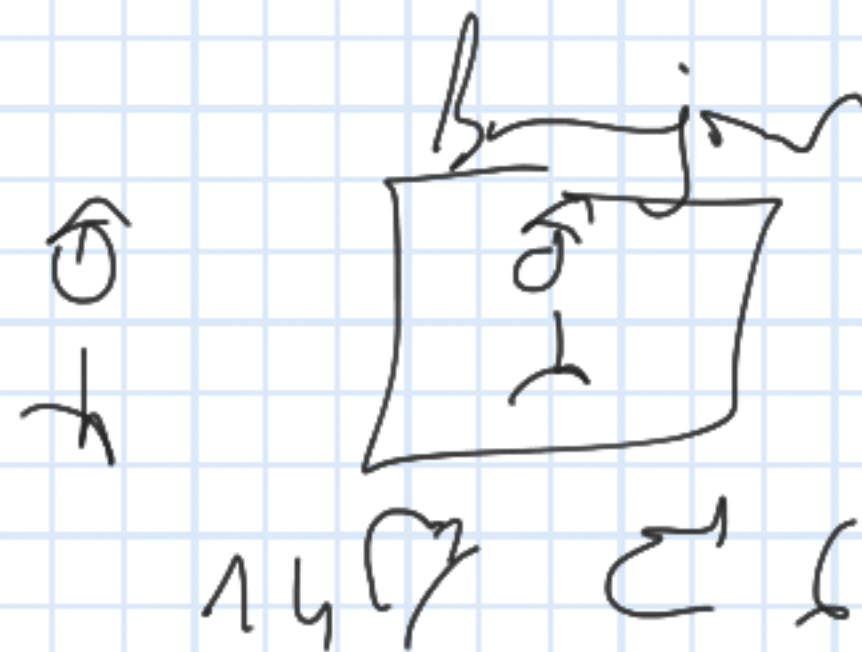


2009

SQL X

No SQL

NoSQL: Not Only SQL Query by



ID	User ID	Count	Dist	Group	Interact
12267	702	--	--		--

DB

NoSQL

→ ensemble de collections

users

{ id: --, fn: --, LN: -- }
tel: --

{ id: --, fn, LN -- }
tel: --

{ id: --, fn: --, LN: -- }

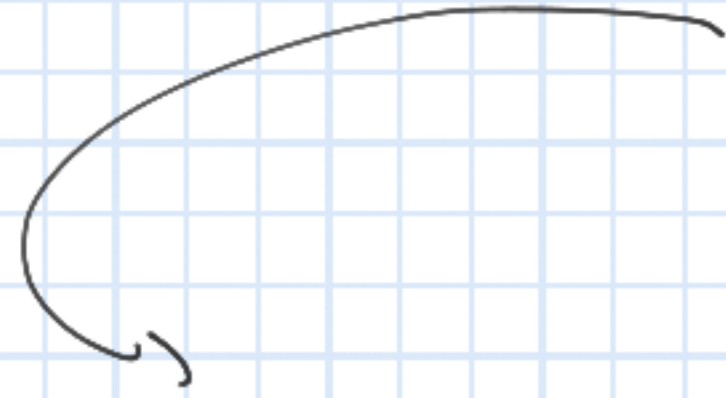
matches

teams

ensemble

d'objets

create: { FN, LN, E-mail, pwd }



users
collect

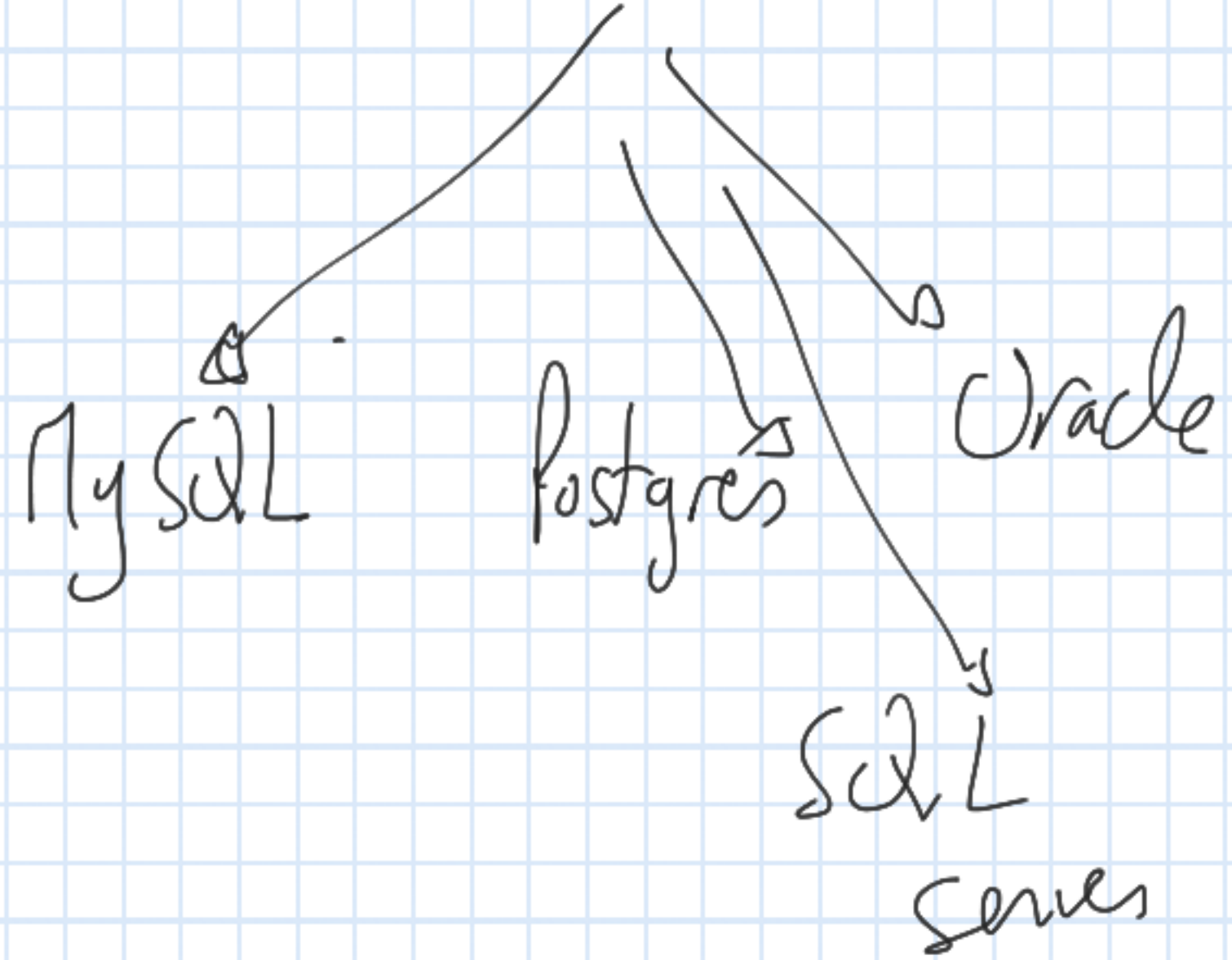
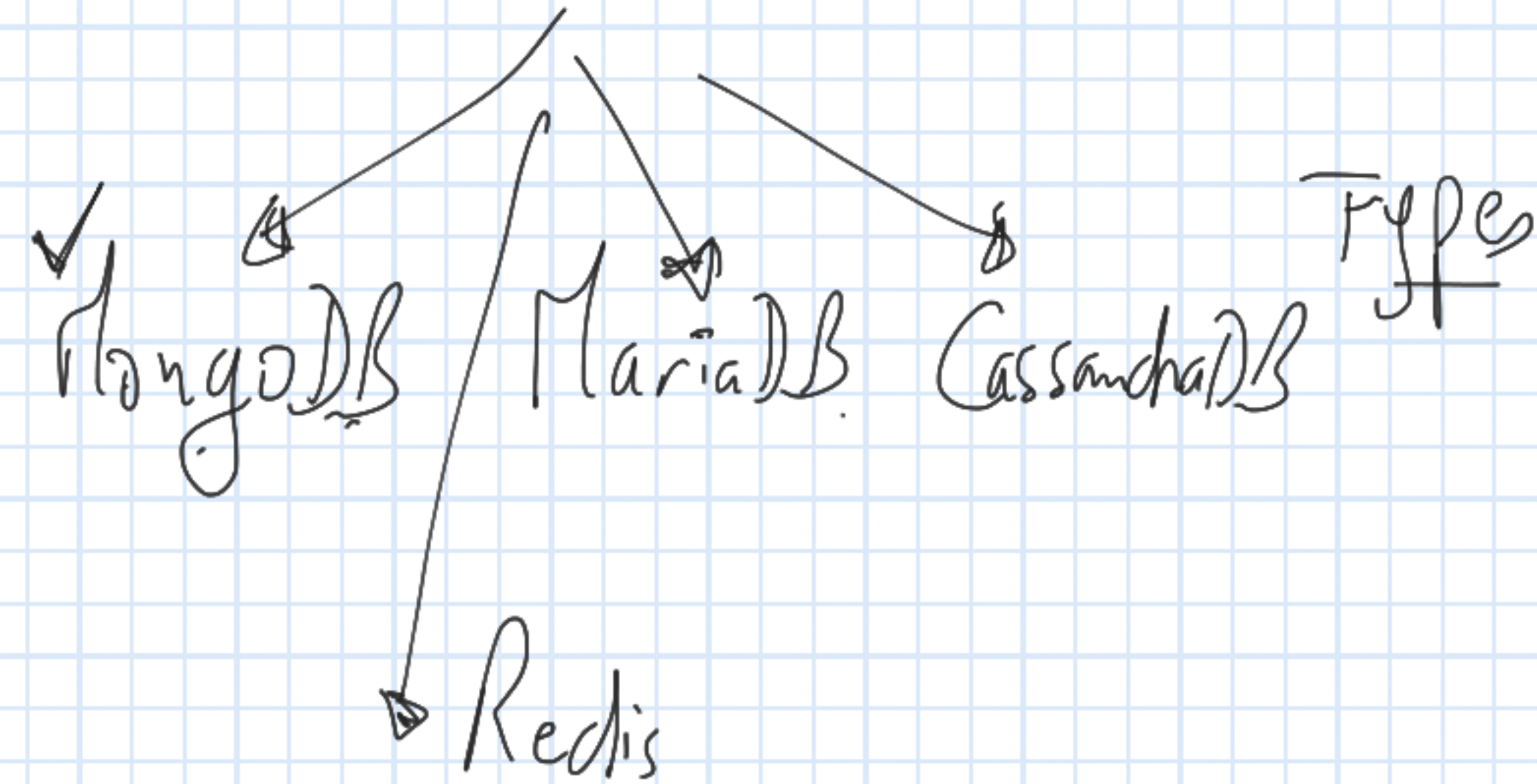
Update

{ id..., FN, LN, E-mail, pwd }
tel:...

NoSQL ✓

Families

SQL



SQL

• ensemble de tables
↓
ensemble de lignes
et de colonnes

• Relationnelle

No SQL

ensemble de collections

↓
ensemble d'objets
(document)

• Non Relationnelle