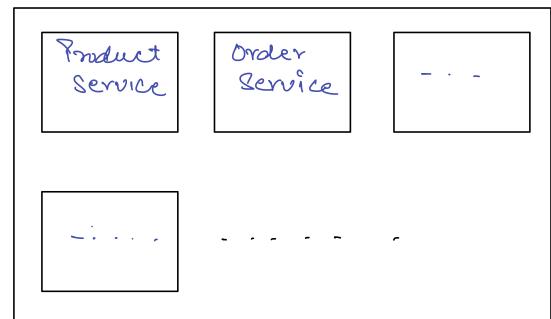
Hgenda:-I) Project Overview Micoservices (Vs) Monolothic Spring frame moste. 3) Intr 4) rependency Injection S) Spring Boot 6) Build om first API. an Élonnerce Appli-Userservice Product Service Searchservice l'agmentservice Logistics Service Orderservice CartService Notification Service

Monolituic Architecture

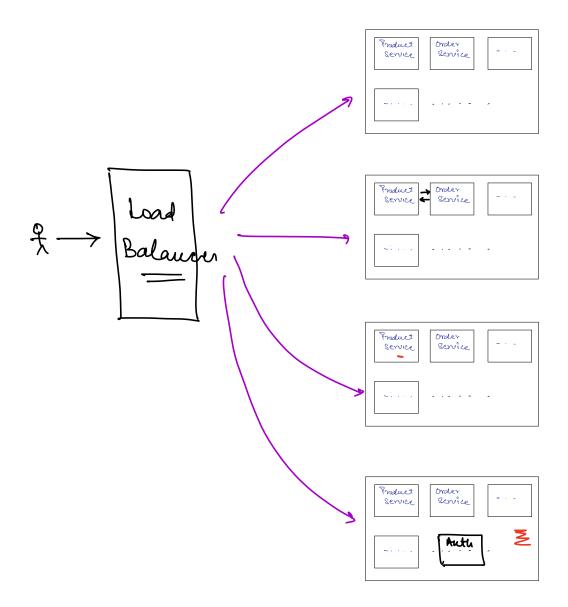
=> Au the services are part et a single project. Micro Service

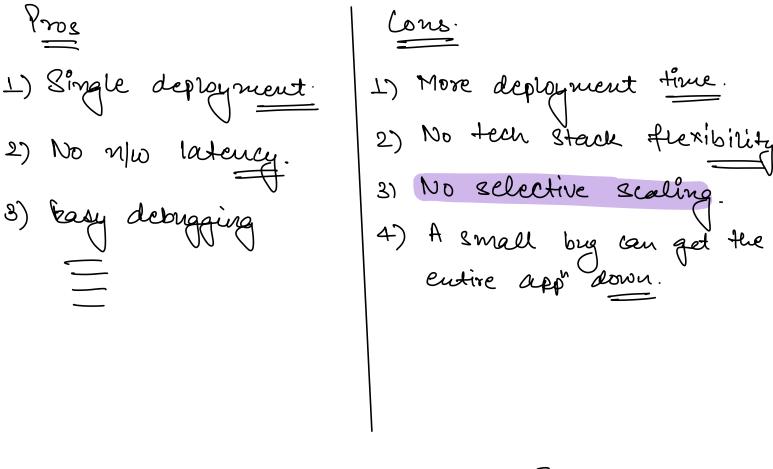
=> Mifferent project for each service.





Mouslitu.





Traffic et Seauchservice >>> Pagment Service

Microservices.

Product
Service Service

Payment Service

Notifich Service 1) Selective Scaling. 2) faster deployment 3) Techstack flexibility. Miconservices. moductservice Userservice Awell Notific Service

APIGIN.

Cons.

- 1) Tifficult Debugging
- 2) N/w Call b/w microservices Communication.

france mosts.
Li Provides us ready to rese implementation of the most common thing that we generally do as a September Engineer. The should mostly spend time on implementing
The should mostly spend time on implementing the business logic.
Java App <sup>4</sup> Scool Controller
framemorks provides ready to use functionalities to implement most common things:-  1) Creating ADI'S  2) Connecting to DB  3) Auth
W logging  Spring Framework + Java.

=> Yython + Mango. => Recorded Videos. # Spring tramemore Level java application by providing ready to use functionalitées. SPRING Core Spring (Core functionalities)

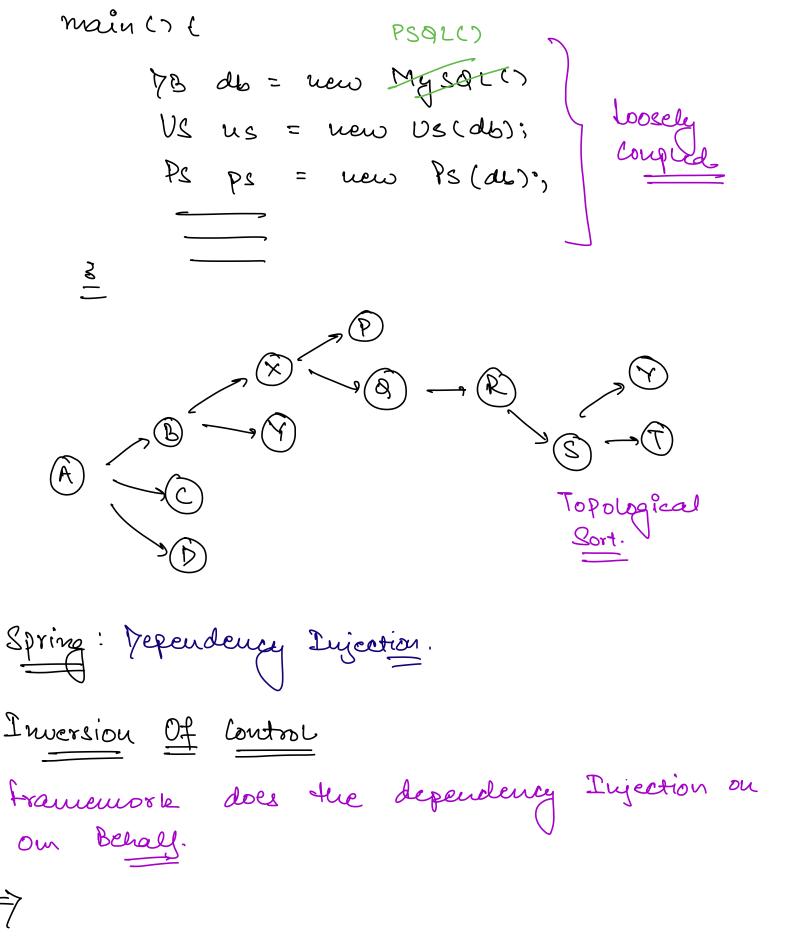
AND ON:

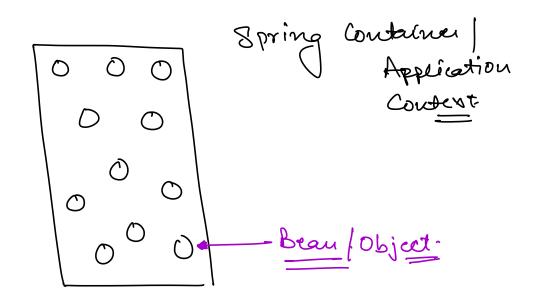
Ander, logging. Kappa, Redis,
Web, Cloud. DB, ---

Class A ( => A is depending on B. Creating the dependent BC? mithin the class. Class A C B b = new Class A { Class A & В ь; B b; A(B b) 1 SetB (B 6) + tuis - b = b : tuis·b=b3 <u>چ</u> main()1 B b = new B() B b = new B() A a = new A() A a = new A(b); a-retB(b); 7 rependence Injection.

```
User service (
                          Search gervice (
                               DB db = new DB()
    DB db = new DB()
                          J We can lense the
OB motance
Prod Service ( >
     DB db = new DB()
      main ()
           7B db = new DB()
            VS us = new Us(db);
            Ps ps = new Ps (de),
```

	User Service (	Search gervice (
	DB db = new Mysqz()	DB db = new Mysquis
	3	3
	Prod Service ( DB db = new Mysell)  =	> Tigletly Coupled.
	3 Migrate from My8RL	to PSQL.
	Mysal Psal	
=>	If me want to nigra me'll have to go	charge at every place.





Bean = Object

Dojects managed by spring and used automaticly whenever.

=> An object that spring creates, manges & uses whenever negrained is called as beam.

- 1) Start the App"
- 2) Spring creates all the beaus.
- 3) Spring stores all the beaus inside a container | Application context.

=> Earlier if we roant to we any addon with Spring, lot of configurations (xML) were required.

=> Spring Boot: lackage on top Spring framework
that allows easy usage of Addons.

+> framework based on Spring that
provides us easy usage of Addons.