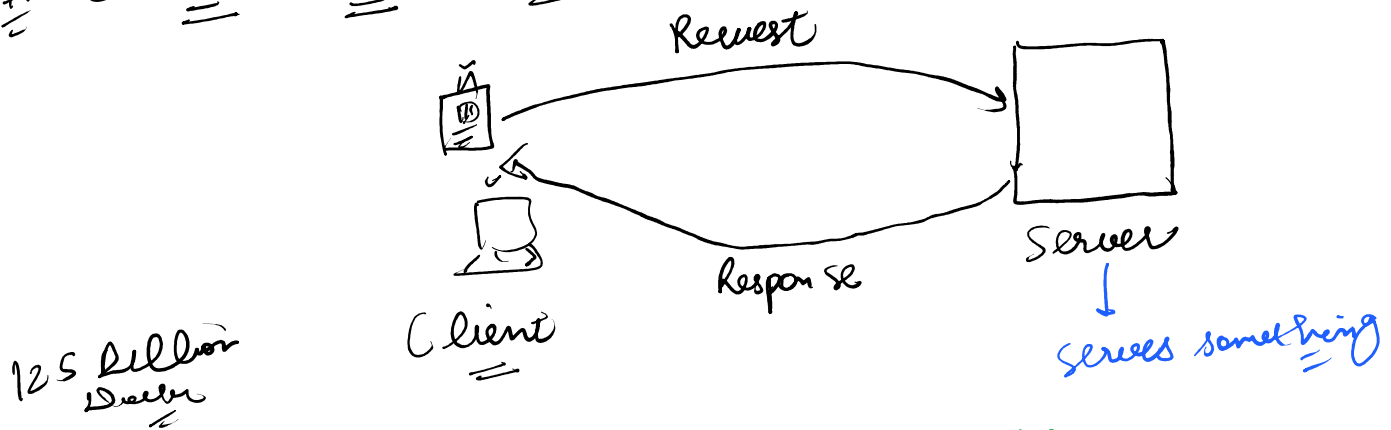


- Client-Server Arch ✓
- APIs ✓
- Types of APIs ✓
- Type of API operations ✓
- Dependencies ✓
- Maven ✓
- Repositories in Maven ✓
- RESTful Example ✓
- Spring and Spring Boot. ✓

→ ~~Tools~~ [tools assigners]

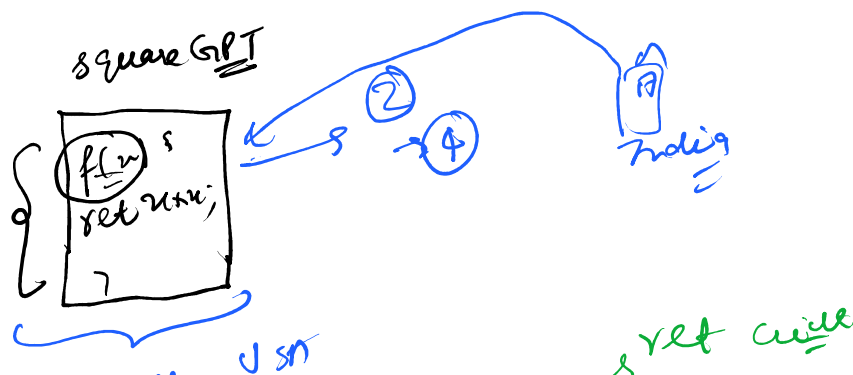
## # Client-Server Arch

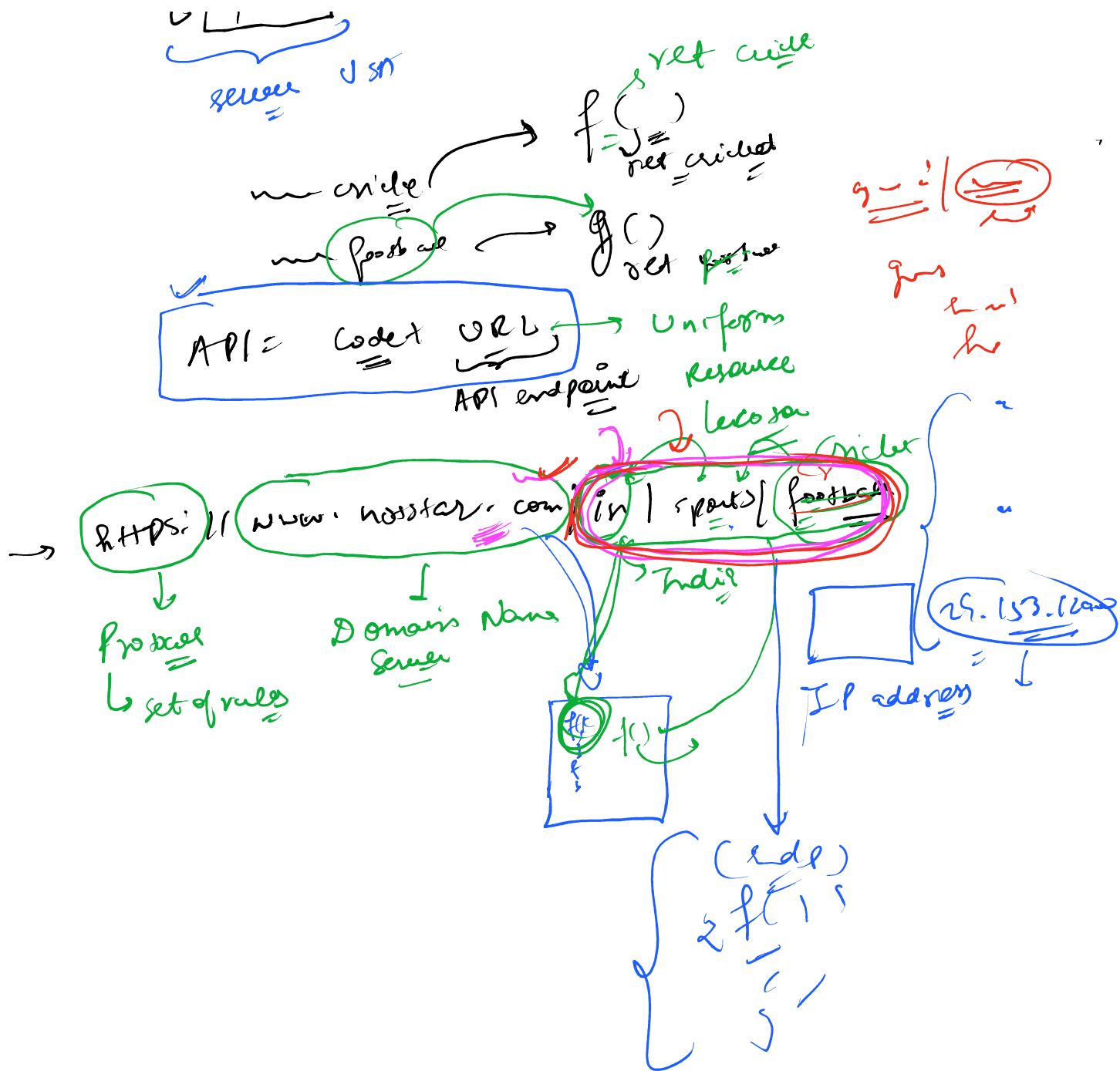


Data Centers

Cloud Computing  
Cloud Providers → AWS  
→ Azure

## # API





# Types of APIs  $\rightarrow$  REST

$\rightarrow$  Stateless

$\rightarrow$  Stateful

REST API

REST API

$\{ R_1, R_2, R_3 \}$

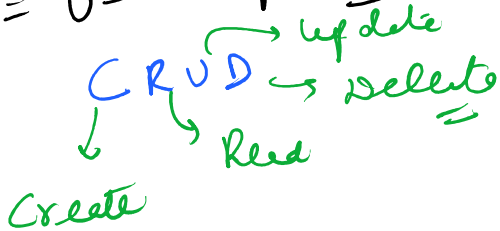
$\{ 1, 2 \}$

$\rightarrow$  Stateful



⇒ Representation state Transfer

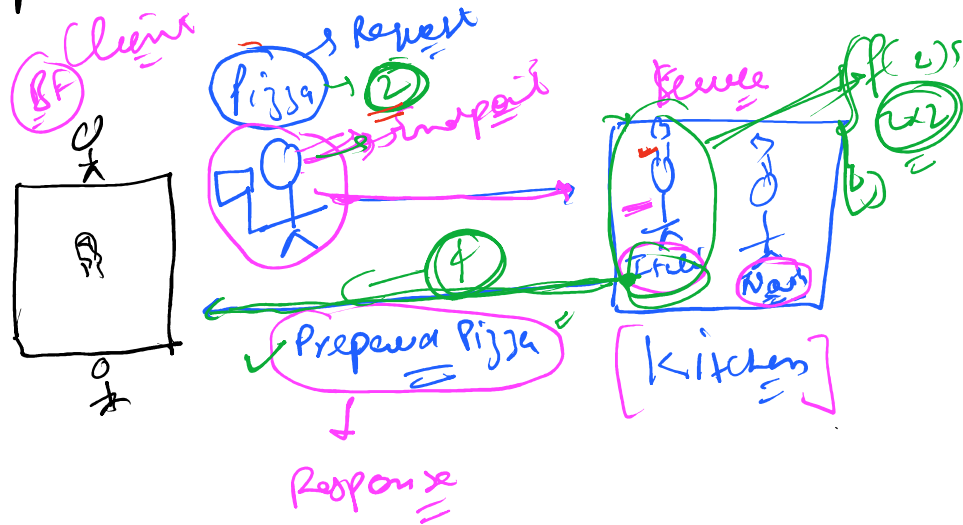
# Type of API operations



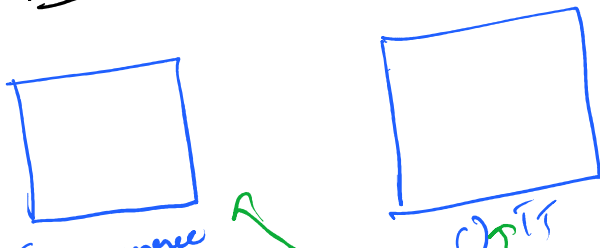
→ Read: get  
→ Create: post

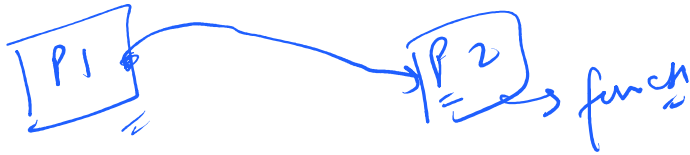
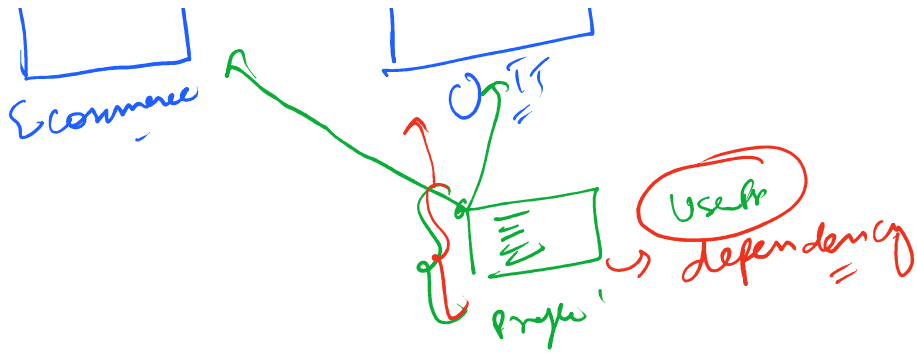
→ Update: Post/Patch  
→ Delete: Delete

# Famous Restraunts Example

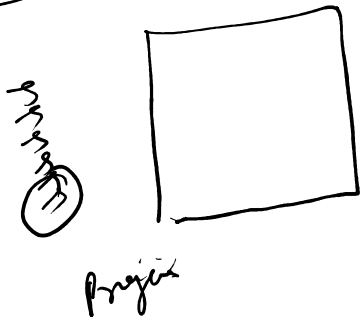


# Dependencies



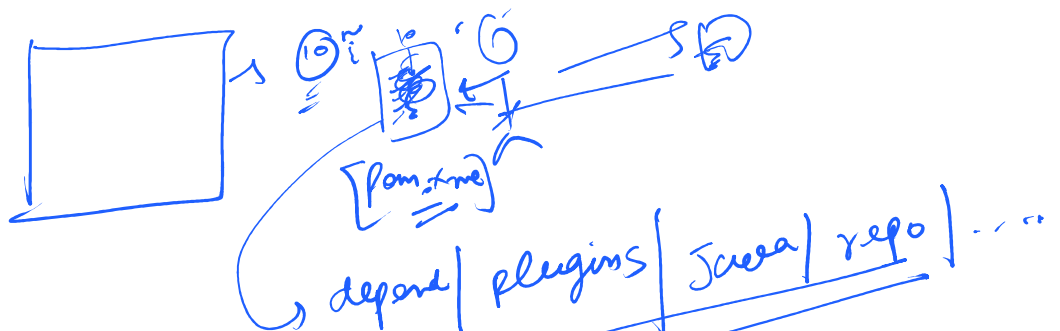
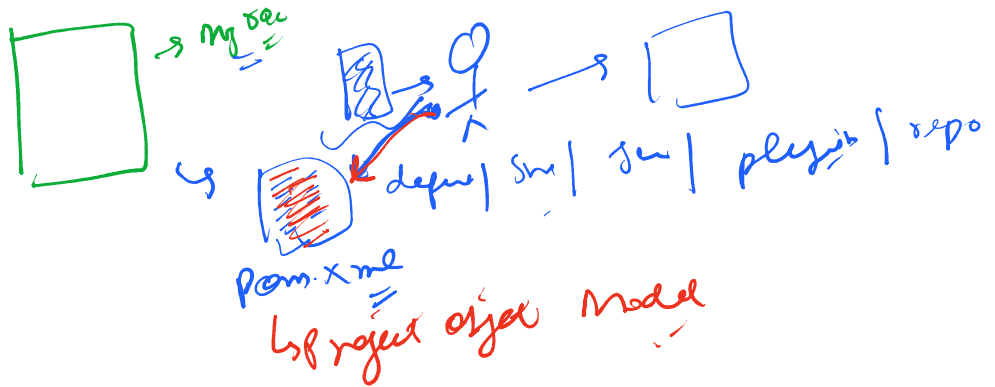
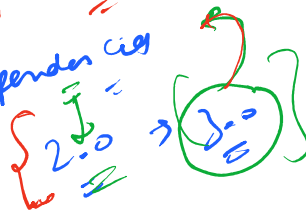


# Maven

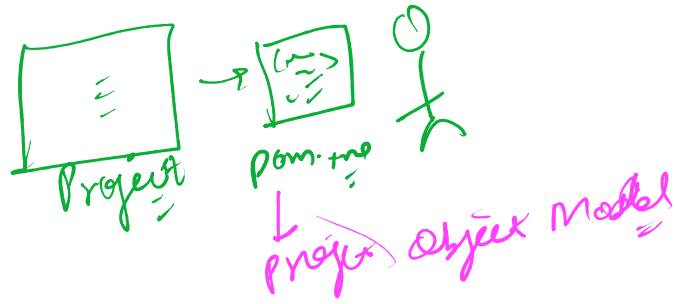


100 dependencies

10 dependencies

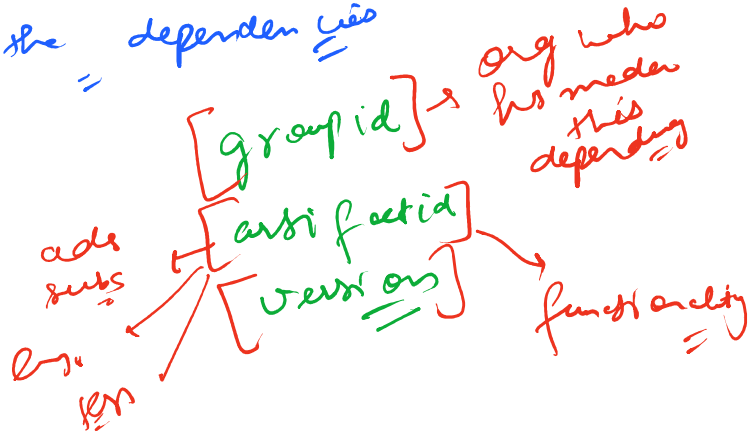


depend | plugins | Java | RT

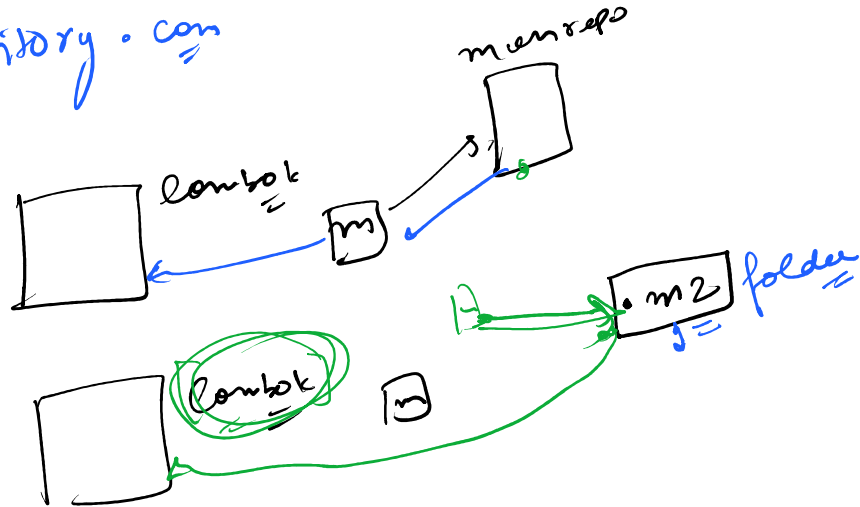


# Naming of the dependencies

(2) 3 com. h



⇒ maven repository . com



remote public → maven repository . com

remote private → [revers]

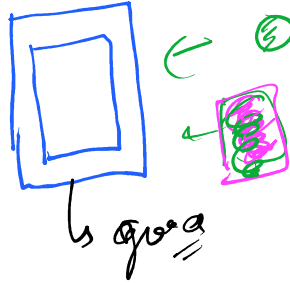
local rep → [m2]

# Spring and Spring Boot

# # Spring and Spring Boot

↓  
framework

Structure follows the



## Spring and Spring Boot

(seems like)

[Tomcat]

↳ web servers

Spring + Tomcat

Spring Boot = Spring + Tomcat

