

⇒ FullStack - LLD - MERN

⇒ Web Fundamentals & Intro to HTML-1

⇒ Overview of FullStack

{ Front end + back end
= Full Stack

Uttam Sharma

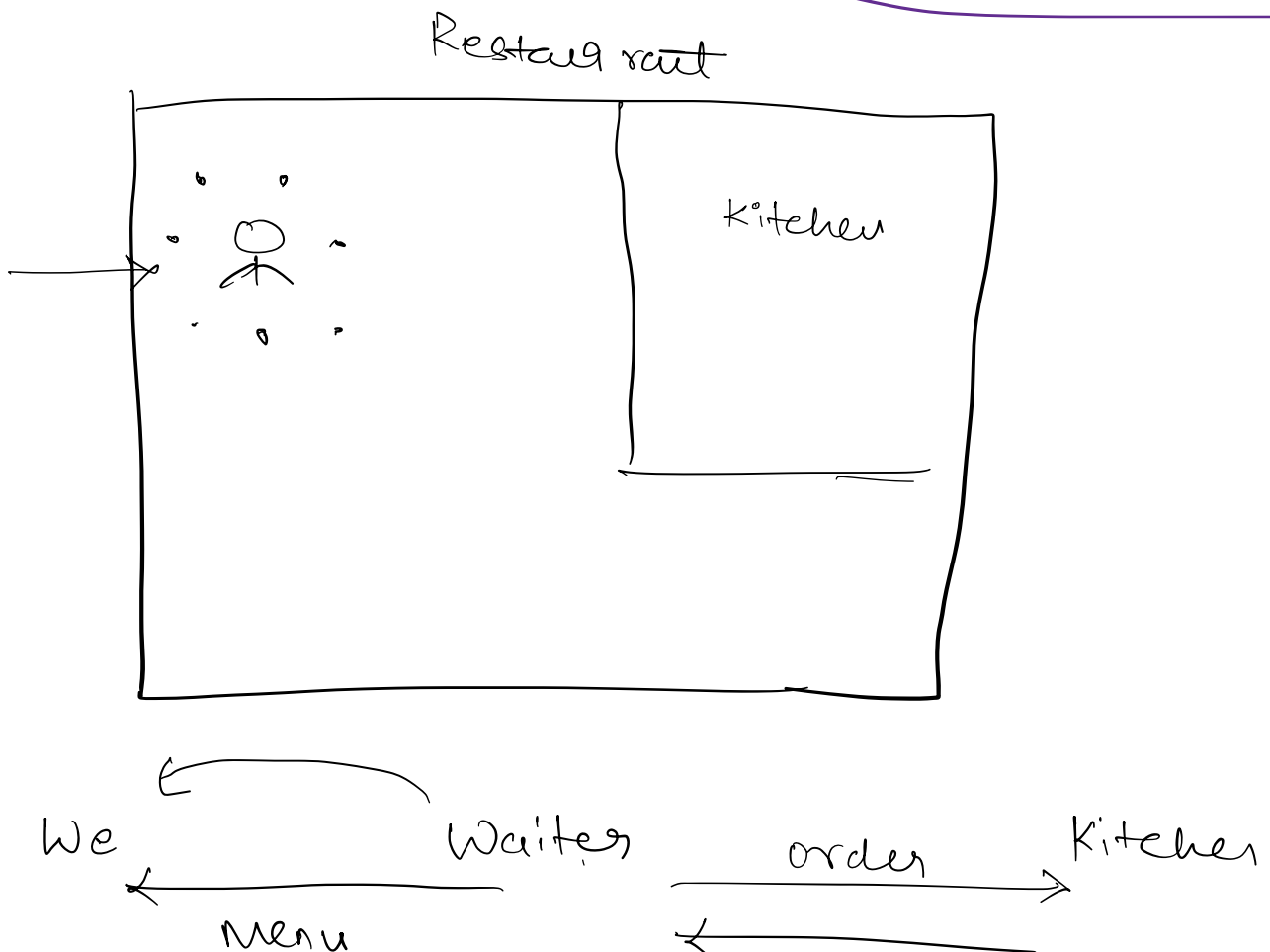
4.7 years

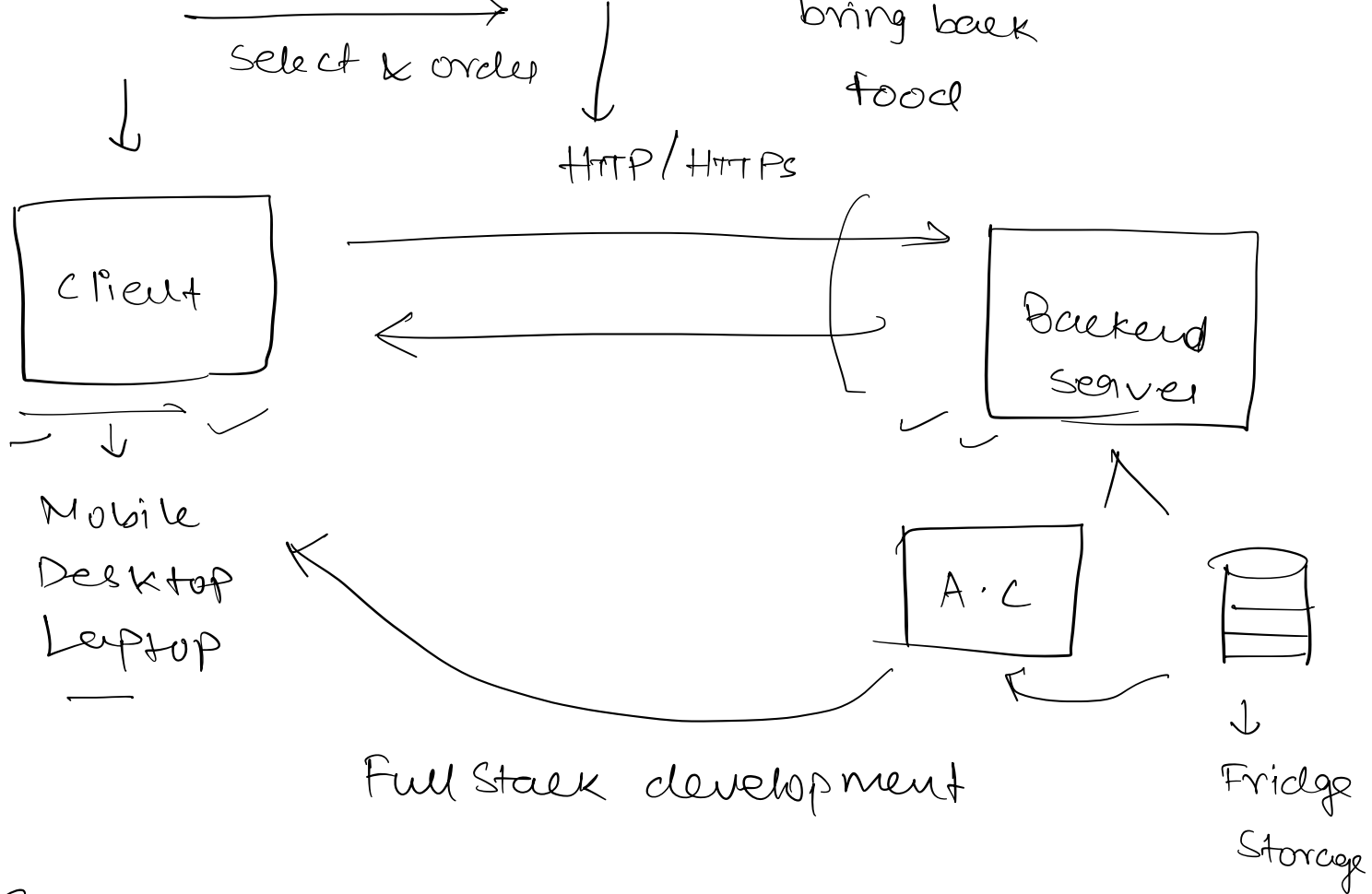
1.5 years Paypal

SDE-2

UHG, HCL

Frontend / Node
✓ Java

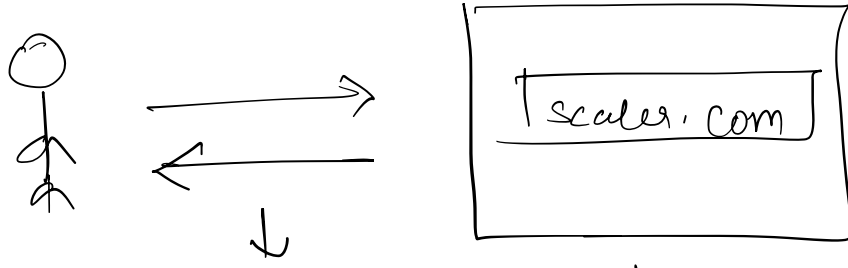




{ Front-end → Client Side ←
back end → Server Side → Business logic

→ What happens when you enter URL in browser?

- It loads the web page
- request goes to DNS
- DOM
- scales servers



Dashboard

browser

IP

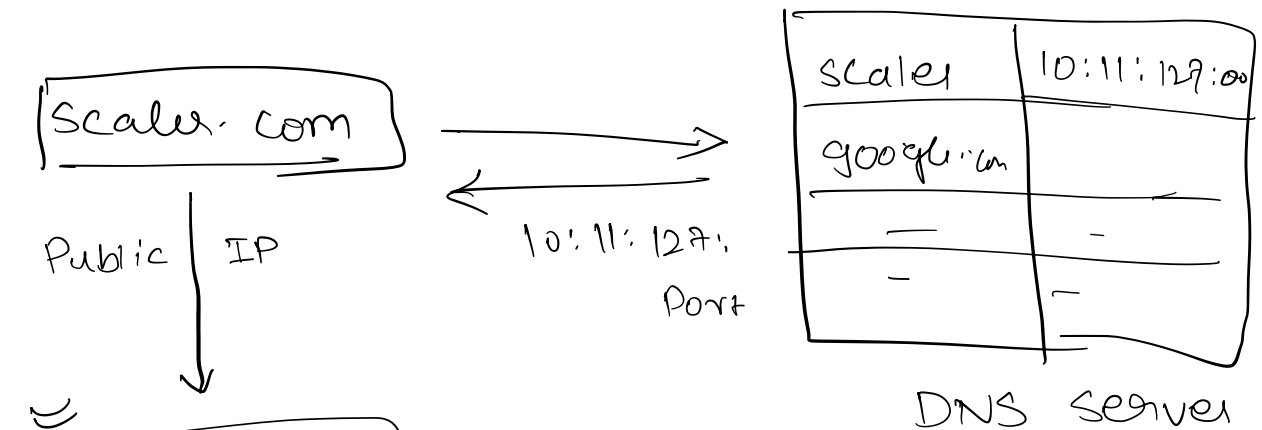
DNS Server

Scaler.com

Phone book

Map < String, String/Number >

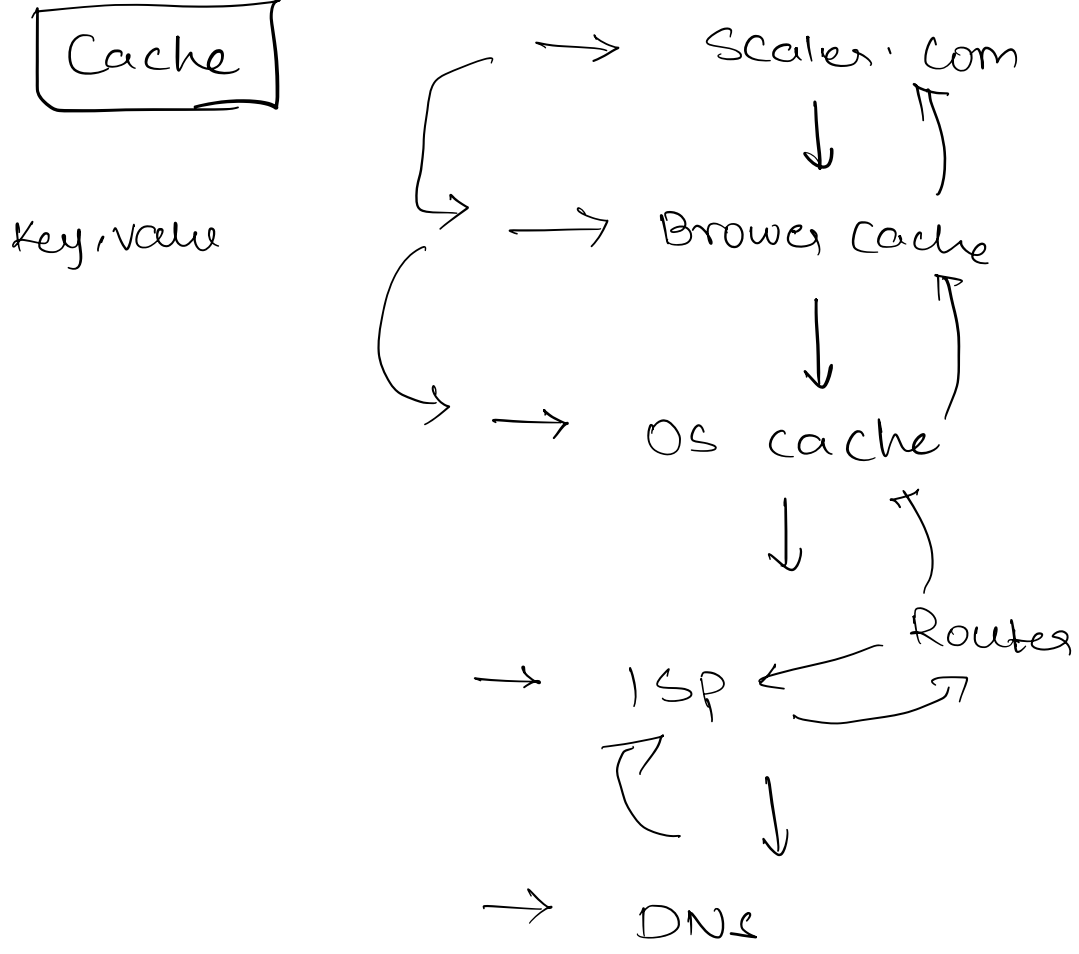
→ Uttam, XXX ←



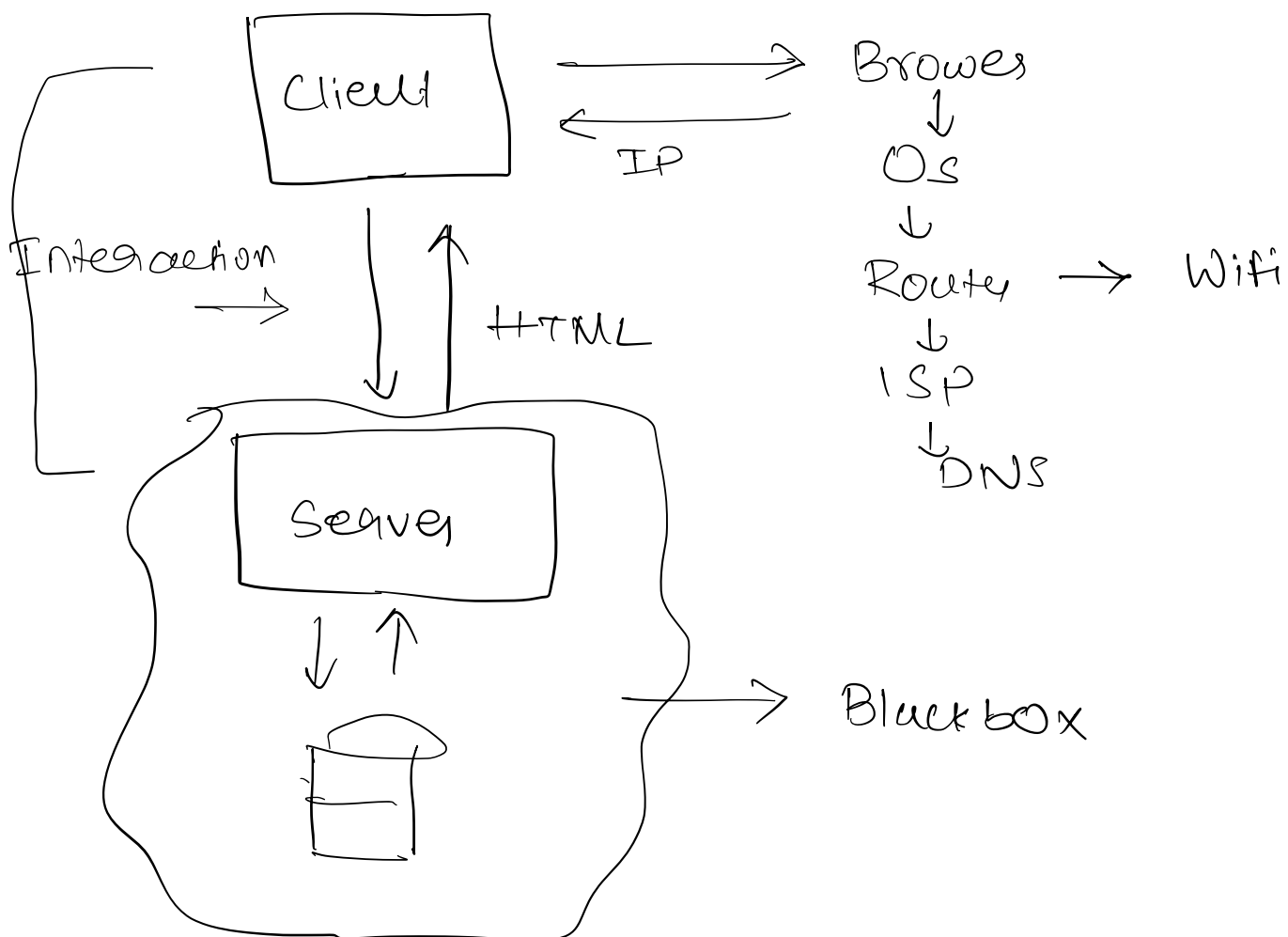
Domain Name System Server

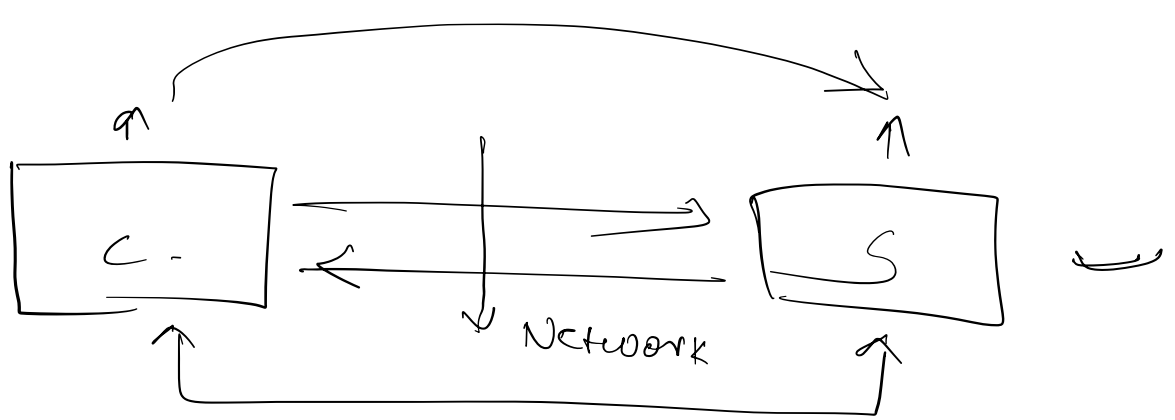
First time visiting → Scaler.com → 10 sec

2nd & nth time visiting → Scaler.com → 2 sec / 3 sec

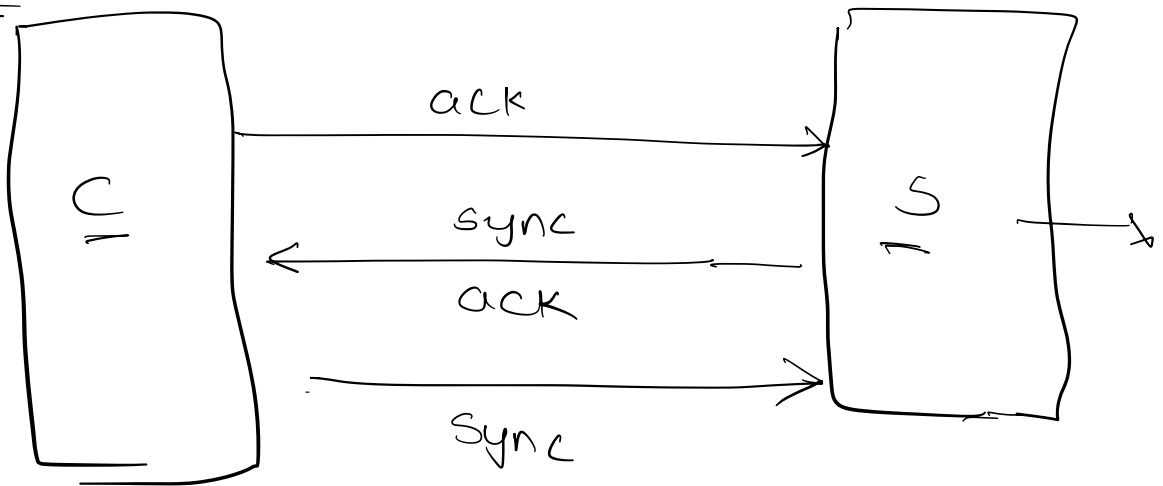


Temporary
Memory





TCP connection → Transmission Control Protocol



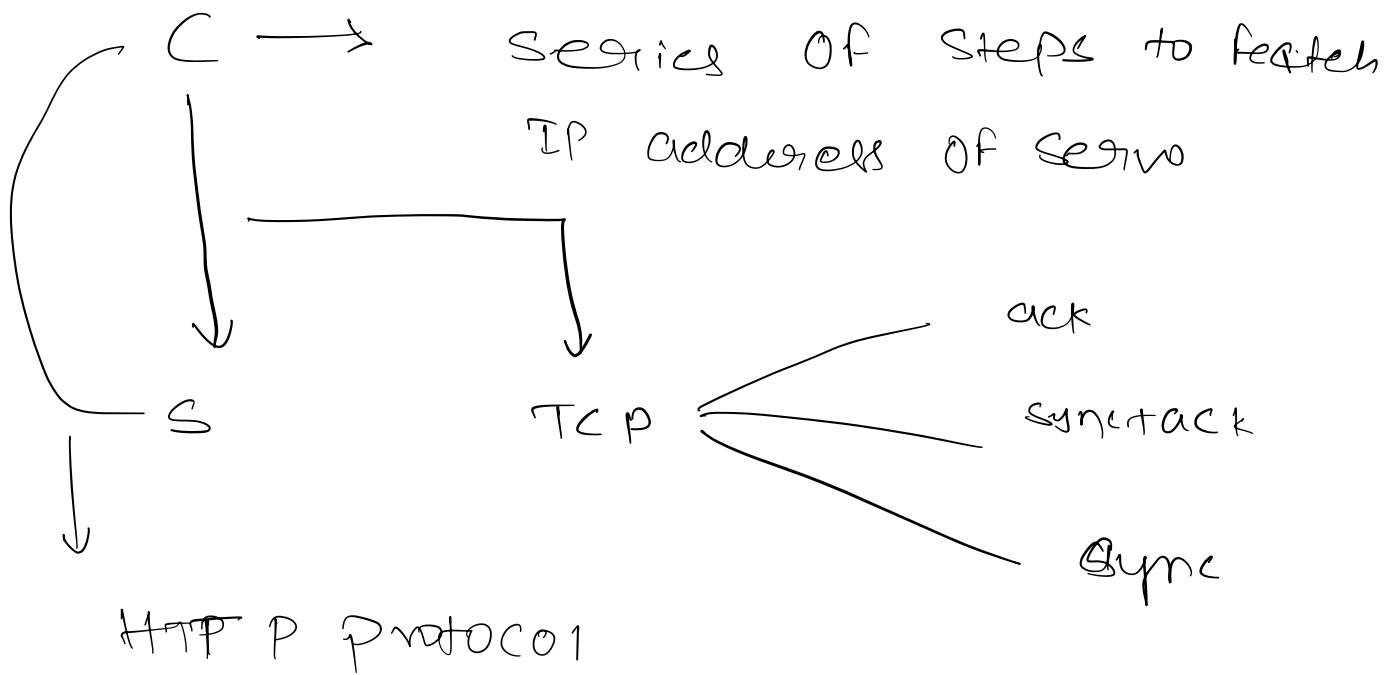
→ 3-way handshake
HTTP

HTTP / HTTPS

{
 GET → get a resource
 POST → create a resource
 PUT → update a resource
 DELETE → delete a resource
 } Client request

Server → Status Code
response

- ✓ 1xx → information about resource
- ✓ 2xx → success code
- 3xx → something related to redirection
- ✓ 4xx → client had made a mistake
- ✓ 5xx → problem with server



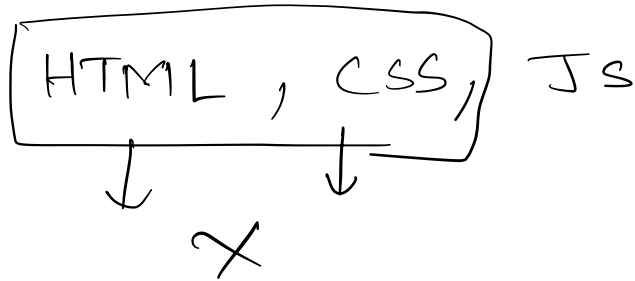
Example → building a house

- 2 Storey house
- roof
- foundation, columns, beams (structure)
- paint / interior
- plumbing / electricity

1) roof, basement, walls, floor → structure ✓

of building

- 2) Painting, interior → beautifying the structure ✓
- 3) plumbing / electricity → click, interaction ✓
Fan, lights



for, while

arithmetic operation

Js
Java
Python
Ruby
GoLang
Nodejs

HTML : Hyper text Markup language



≡ 1) Element / tag → button, img, a, p, heading

≡ 2) Attributes / properties

↳ src, href, id, class, style

✓ <button> Click </button> ✓

→ which is used enhance

property of element applied on it

Markup language

↳ Structure a website

Hyper text

↳ Hyper linking of text

} bookish
↓

HTML is mother tongue to browser

Delhi → Hyderabad

↓

Hindi → Telugu

↖

Browser

←

HTML

↖

1xx → Ongoing state

Req

→

Req

←

→ Continues

→ Switching protocol

2024 → job → Resolution

⑤

1) Attend classes

2) Complete Assignments

3) Self Study - Utilize them and read through them

4) Contest →

Bonus → incentive