Demo
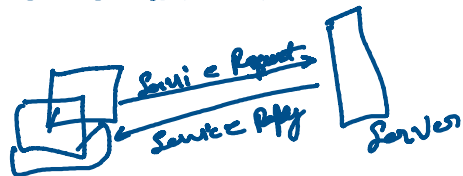
31 January 2021   20:19

① mdn element reference

② History of Internet
- 1958 – Bell Lab → Modem
- 1961 – MIT – packet Switching
- 1968 – ARPANET
- 1972 – University Internet Node, UCLA chat
- 1974 – Vin Cerf – TCP

④ Client Server Model

Servi e Request
Service Reply
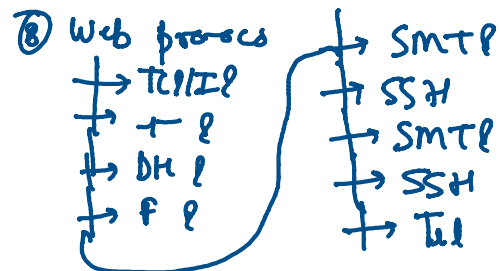Server

✱ Any Computer will be Server & Client both.

⑤ Domain Name Server
- Phone book of Internet.
- Human remember DNS not whole IP.

⑧ Web protocol
- TCP/IP
  - + P
  - DH P
  - F P
- SMTP
- SSH
- SMTP
- SSH
- Tel

3 How the Web Works
- Servers
- Clients
- ISP
- DNS
- Datacenter

④ Internet Service provider
- Company that provide access to user.
- Internet can be over DSL, phone line, Cable Fiber

⑦ Data Center

⑦ Web terminologies
- protocol
- Address
- Packets

⑤ Domain Name

⑩ IP Address
- 32 bit. 4-word address (IPv4)
- Unique defines a Server, a client, a node, or a router.
- IPv6 Address – Default in future – 128 bit (16 octet)

(11) **Mac Address**
- → Media Access Contro
- An ID unique to a hardware Network
  - like IP is used for a hardware device
- → Used by all IEEE 802 Network Technology.

(12) **Component of Web**
- → Web Page
- → Web Sites
- → Web Server
- → Search Engines

(14) Web Site dynamic
- Collection of Webpage
- Also can include other Media (audio image video)

(15) **Web Servers**
- → A hardware (or software) that host the website
- → One Website can spread over multiple Servers
- → One Server can host multiple website.

(17) Search Engines
- A Website that ride is other website/webpage
- → Helps /ou find website
- → tech. used → Crawling to chahe
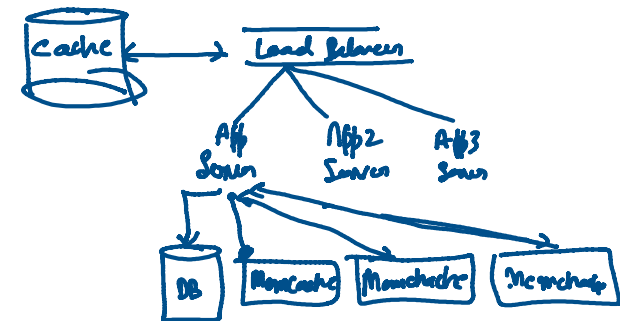 - Content for Searching
- → Google.com, Yahoo.com

+ IP allows
- → Subnet
- → Gateways
- → Private IPs.

(13) **Web Page**
- → A document that can be viewed over web
- → Transported over Internet
- → Viewed on a browser
- → Uses markup (HTML and styling. Can Contain Script

(16)

Interface

(18) **Server**
- → Hardware
- → OS
- → Server Framework
- → Container / Servlet
- → Server Application

(19) Server Side framework

① Java
- → spring
- → Hay
- → Jbass

② Python
- → Flask
- → Django
- → Bottle

③ Ruby
- → Rails

④ PHP
- → Codeigniter
- → Laravel

⑤ Node.js
- → Express
- → Hapi.js

(20) Client Side Technologies

① HTML (Markup)

② CSS (Styling)
- → SASS
- → LESS

③ JavaScript
- → jQuery → Backbone
- → Angular → Knee
- → React