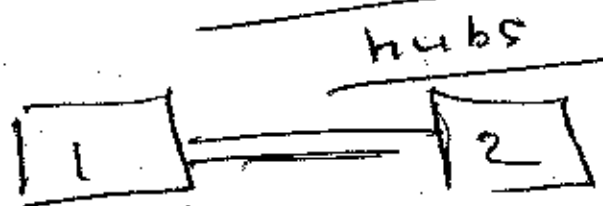* W3Schools ⇒ Reference

* objective

    Talk about the WWW / Internet

    *protocols * Technology (ies)

Internet ⇒ NETWORK | IP |

      ↳ collection of Networks

WWW   largest network

             started in 1969

             with 2 host node

                 hubs

        [1] ←——— [2]

           ARPAnet

             GIGO

MIME ⇒ Internet Media Types

text/html	.html
Text/plain	.txt
Img / gif	.gif — [X]
Img / jpg / jpeg →	.jpg
video	.Mov
app	.exe

Web languages

① Hyper Text markup Language (HTML)

Web site 2 f

web page 1

② Cascading style sheet (CSS) — XML
↳ HTML 5
mobile

③ Php Hyper Text Processor (Server side)

④ JS JavaScript (client side)

⑤ AJAX

HTTP

We have 3 sets of ~~com~~ cmd's

① GET filename : download

② POST   Sends

③ Put   ~~up8~~ updates

            -- ++

HTTP Error codes

Code	Meaning
200	OK
301-303	Page moved
404	~~You are a hacker~~ PNF
403	Forbidden
500	~~Intean~~ Internal Server Error

Uniform Resource Locator (URL)

This is an ID for the 'location' of the Document on a web site.

ie.

http:// | www.abc-money.com | /info/frog/index.html.

protocol | host | Path/Tree to get to index file

codd.cs.gsu.edu/un | images/HTML/nume.

Ports that are common

Port	
Port 22	— SSH
80	Web browser
	port 443 — secure Browsing
25	email
5190	AOL IM

Web ~~SERV~~ SERVER ~~is~~ is the sofware that listens to/for the web page requests

* Apache

Browsers are clients/SERVER

always initiate, SERVERS react (although
sometimes server may require special
connection/Responses
All request will use some form of

HTTP

Transmission Control protocol
(TCP)

① add multiplexing, guarantee
msg delivery on Top of IP
* This pertains to SSH, FTP

PORT: a special number given
to each program or service

USERID

passwd

Domain name
[addr.cs.gsu.edu]

[ ]

Port #
[22]

WWW $\Rightarrow$ World Wide Web

I.P ADDRESS

Every e-device has a node such as
a unique numeric address

Form of an IP address is
equivalent to 32 bits (binary #)
128 bits

Domain name, $\Rightarrow$ host name which
is tied to an
IP address

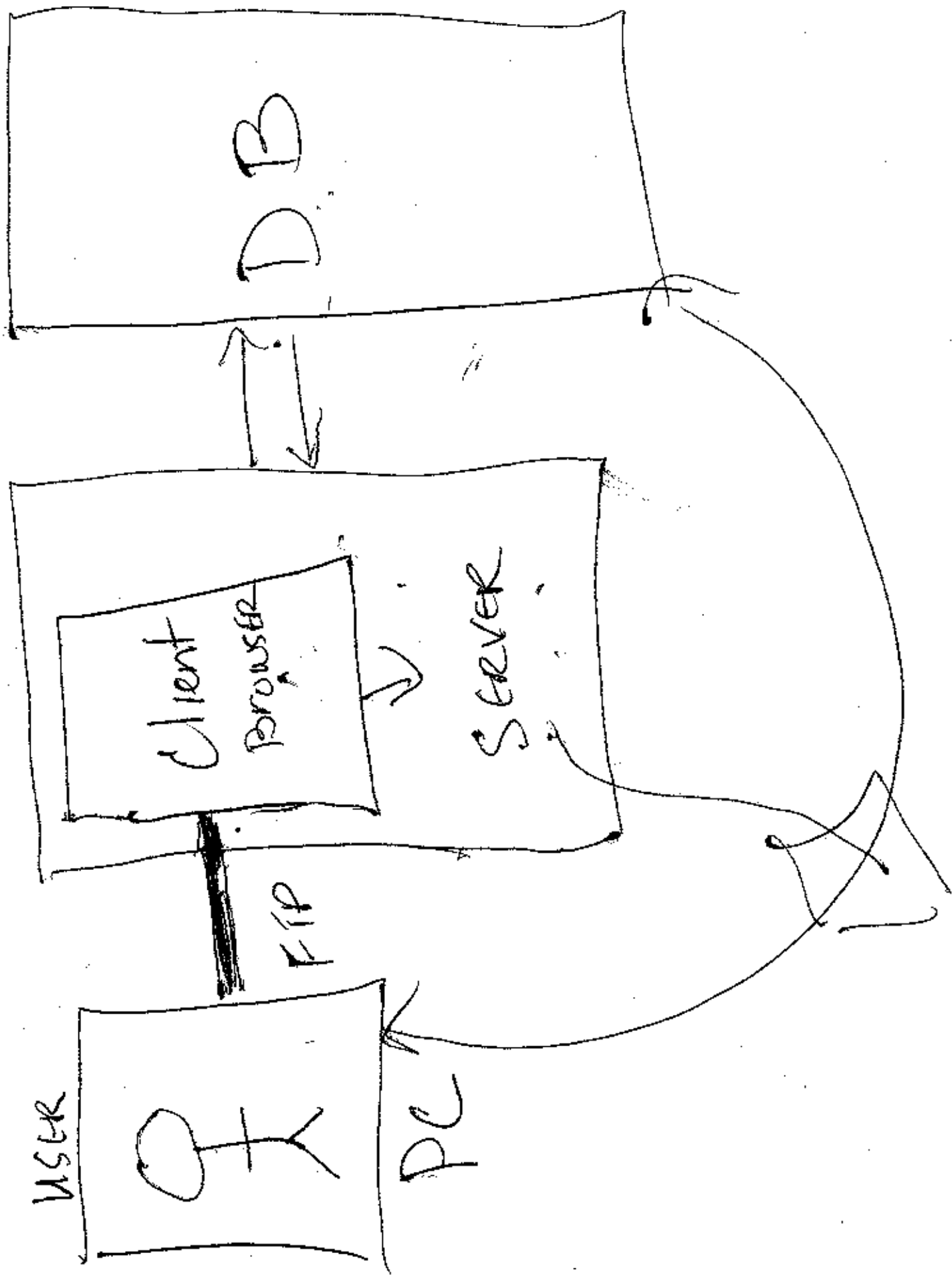Types of org $\Rightarrow$ edu . com . mil

Web Browsers

① IE, Edge   ④ Fire Fox / NETScape

② chrome   ⑤ OPERA

③ SAFARI

ASP.NET
JSP

Ruby

Rails

MySQL