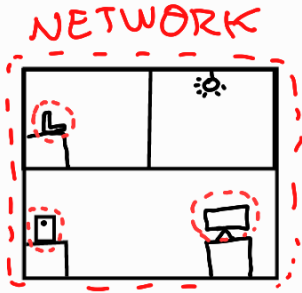
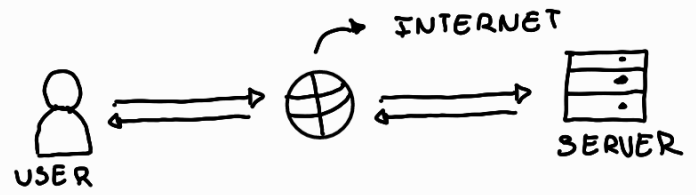


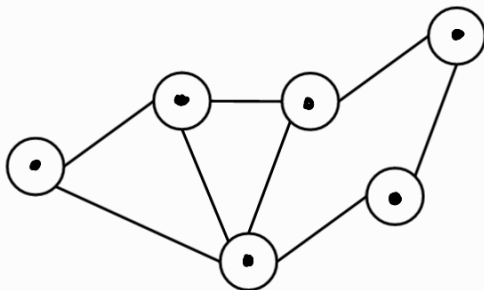
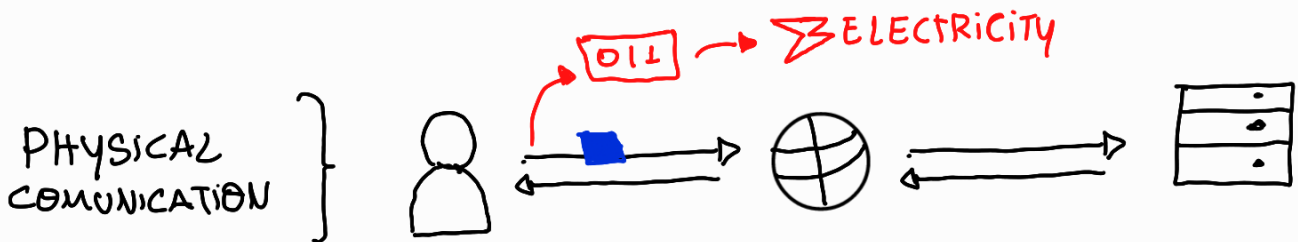
# Internet

CABLES? →      SATELLITE ↑      → WIFI?

- THE INTERNET WORKS BY CONNECTING DEVICES USING PROTOCOLS

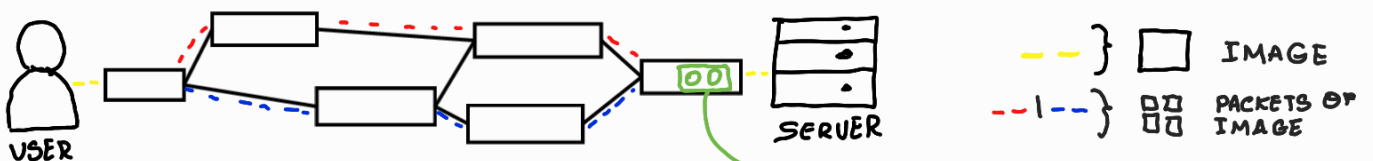


A HOUSE MIGHT HAVE A NETWORK OF DEVICES, SO WHEN CONNECTED A LOT OF HOUSES FORM THE INTERNET.



DISTRIBUTED SYSTEM

- PACKET → A SMALL UNIT OF DATA THAT IS TRANSMITTED.



> PROTOCOLS → A SET OF RULES AND STANDARDS.

• TCP (TRANSMISSION CONTROL PROTOCOL)

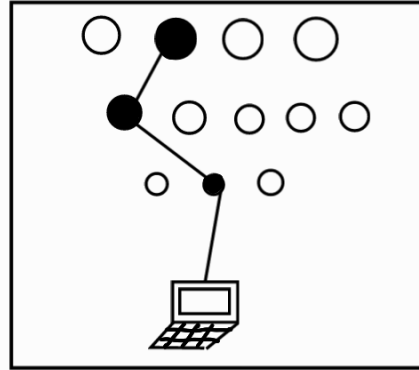
↳ MANAGES THE SENDING AND RECEIVING PACKETS

## • IP (INTERNET PROTOCOLS)

↳ ADDRESS OF DEVICES ( 000.000.00.000 )  
8BITS 8BITS 8BITS 8BITS

↳ IDENTIFY :

- 1 - COUNTRY
- 2 - REGION
- 3 - SUBNETWORK
- 4 - DEVICE



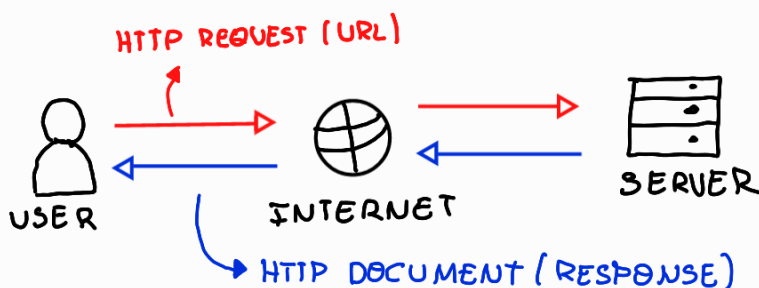
## • DNS (DOMAIN NAME SYSTEM)

↳ ASSOCIATED DOMAIN NAMES (WWW.EXAMPLE.COM)  
AND GET THE ASSOCIATED IP ADDRESS.

## • HTTP (HYPER TEXT TRANSFER PROTOCOL)

↳ TCP/IP - BASED

↳ DEFINE HOW CONTENT IS REQUESTED AND  
TRANSMITTED ACROSS THE INTERNET



## • HTTPS (HYPER TEXT TRANSFER PROTOCOL SECURITY)

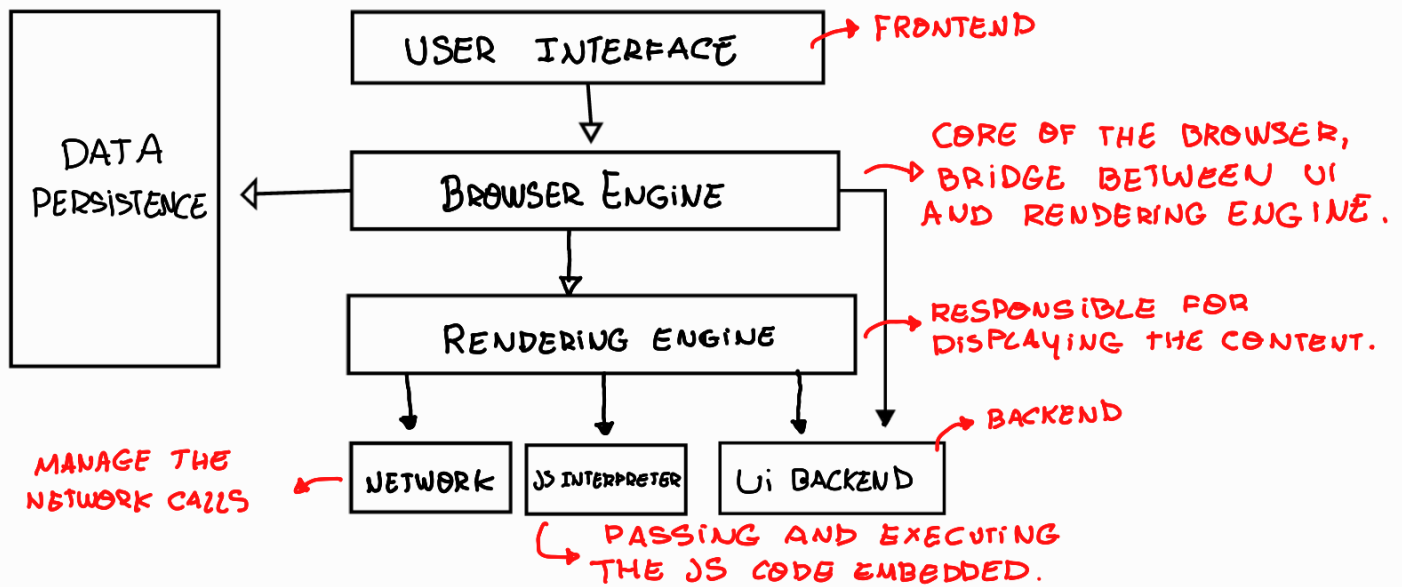


- SECURE SOCKETS LAYER (SSL)

- TRANSPORT LAYES SECURITY (TLS)

> **BROWSERS** ~ A SOFTWARE THAT ENABLES USERS TO ACCESS AND VIEW CONTENT ON THE WEB.

→ ARCHITECTURE



→ HOW DOES INTERNET WORK ?

