

Intro the Internet



The thing that lets you upload all your snapchat, instagram,
and lets your grandma like your facebook posts!

**How does the
internet work?**

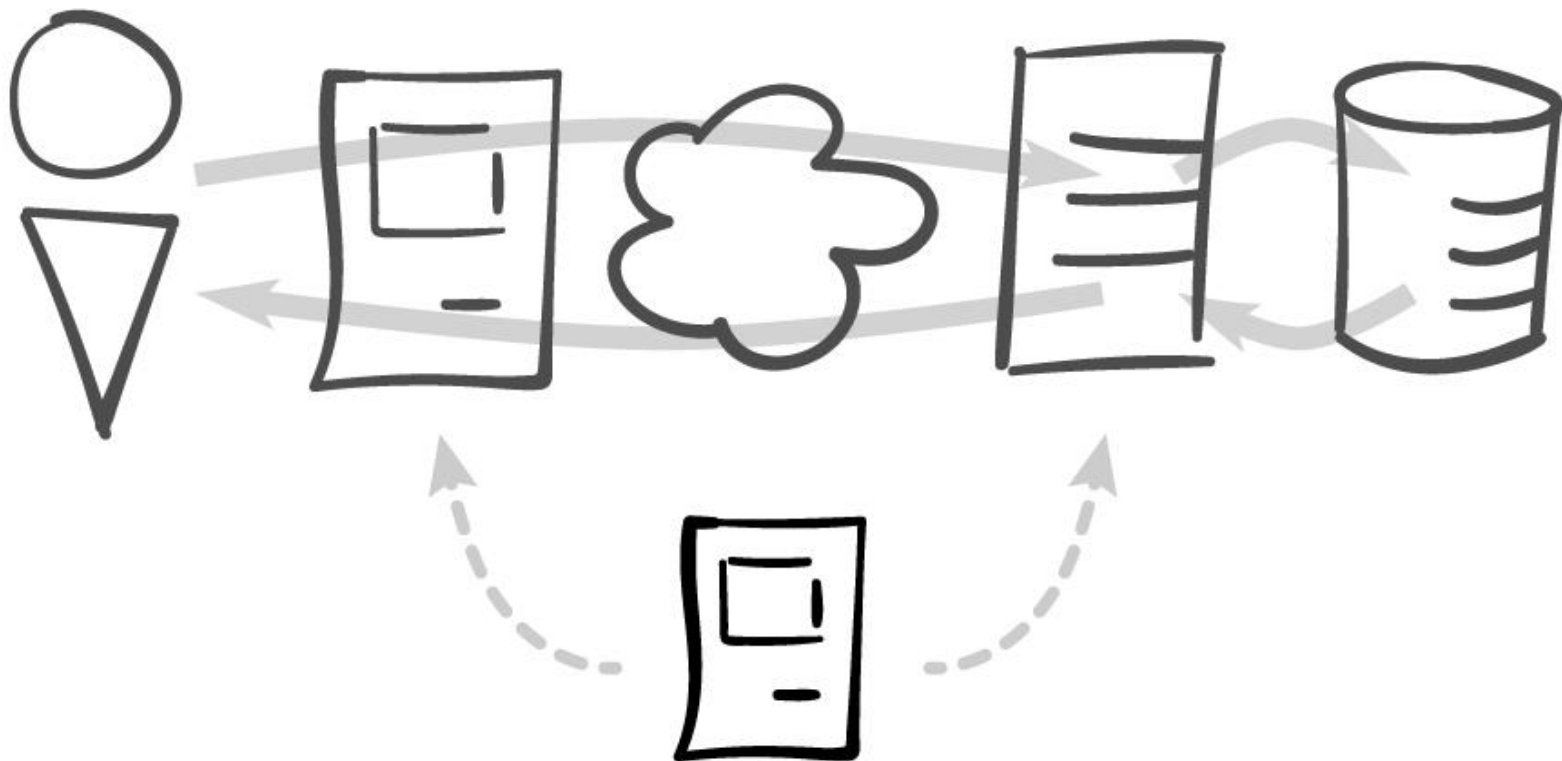
User

Client

Network

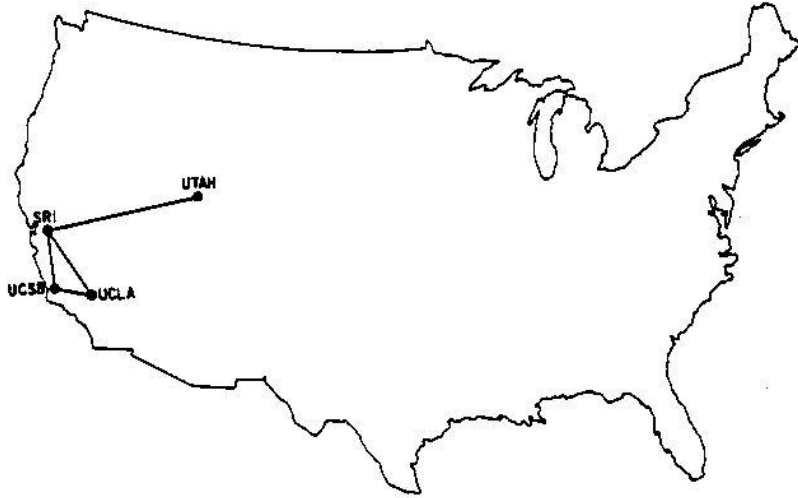
Server

Datastore



History

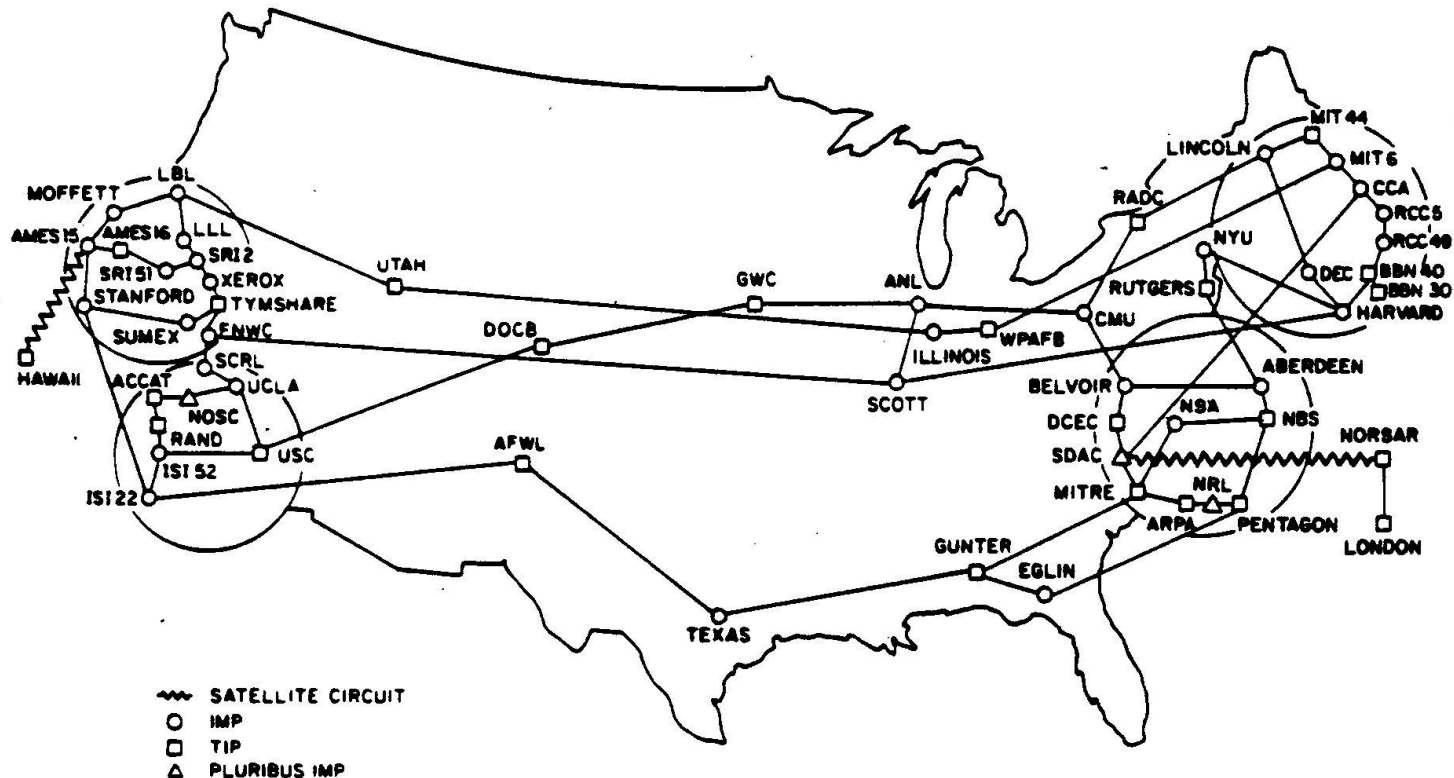
Arpanet



Lawrence G. Roberts designed ARPANET

ARPANET design was initially designed for 2.4 kbps but was upgraded to 50 kbps.

A 1 MB file at 2.4 kbps it takes 58 minutes 15 secs

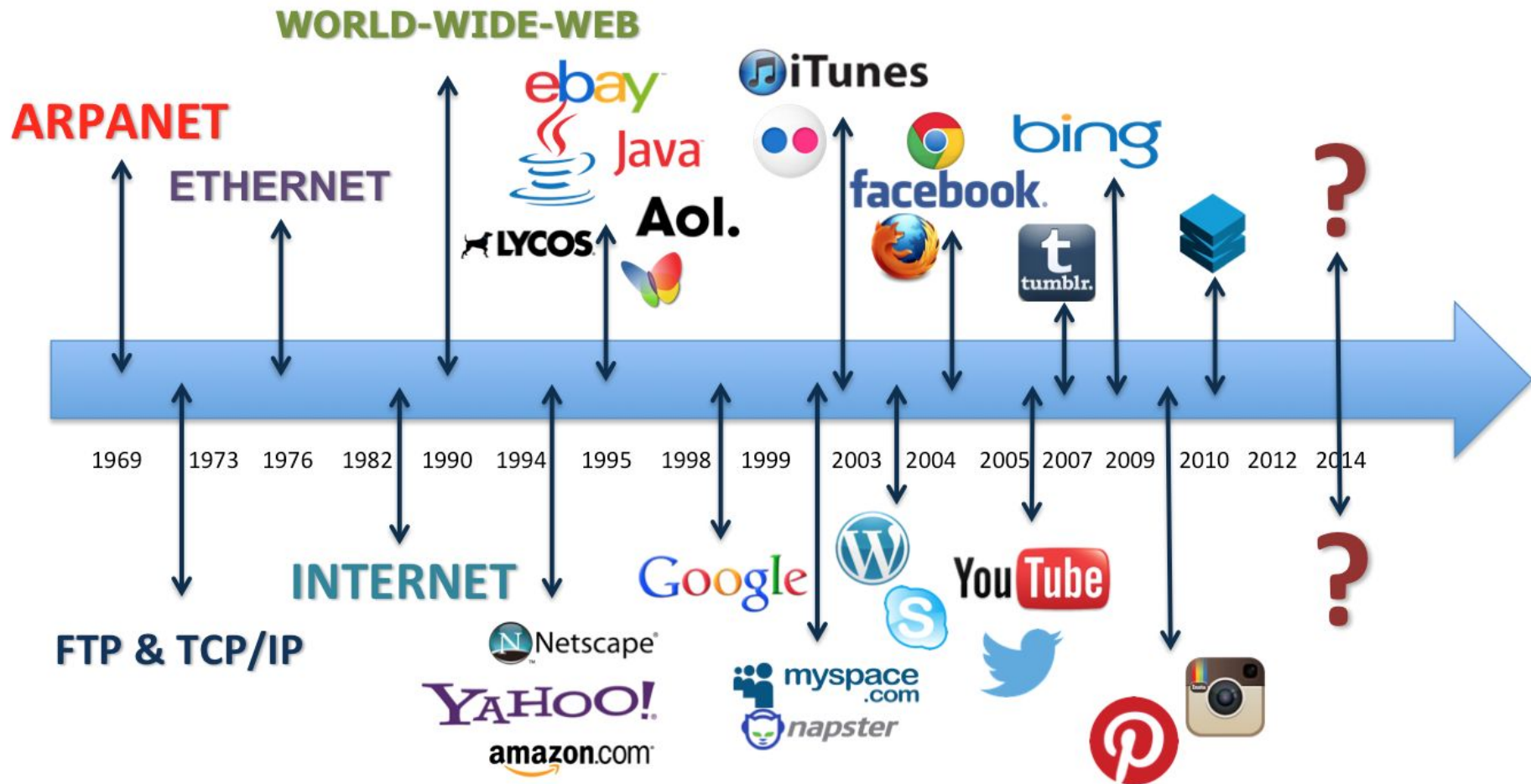


(NOTE THIS MAP DOES NOT SHOW ARPANET'S EXPERIMENTAL SATELLITE CONNECTIONS)

NAMES SHOWN ARE IMP NAMES, NOT (NECESSARILY) HOST NAMES

History

- Ethernet technology, developed by Bob Metcalfe at Xerox PARC in 1973
- Domain Name System (DNS) was invented by Paul Mockapetris of USC/ISI.
- One of the more interesting challenges was the transition of the ARPANET host protocol from NCP to TCP/IP as of January 1, 1983



Communication

World Wide Web vs Internet

The **World Wide Web(www, W3)** is an information space where documents and other web resources are identified by URIs, interlinked by hypertext links, and can be accessed via the Internet

The **Internet** is a global system of interconnected computer networks that use the Internet protocol suite(TCP/IP) to link several billion devices worldwide.

HTTP

Hyper Text Transfer Protocol

Hypertext is structured text that uses logical links (hyperlinks) between nodes containing text.

HTTP is the protocol to exchange or transfer hypertext.

HTTPS is a secure encrypted version of HTTP

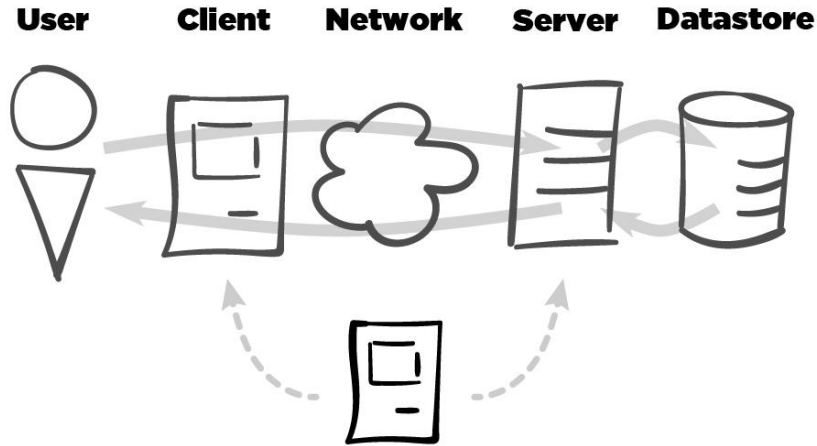
FTP

File Transfer Protocol

FTP is used to transfer files from a client to a server

SFTP is a secure encrypted version of FTP

How does the Internet work?



HTTP Requests

GET - retrieve data and should have no other effect

POST - request method is designed to request that a web server accept the data

PUT - Requests that the enclosed entity be stored under an existing resource

DELETE - Deletes the specified resource

TCP/IP

TCP/IP (Transmission Control Protocol/Internet Protocol) is the basic communication language or protocol of the Internet. It can also be used as a communications protocol in a private network (either an intranet or an extranet). When you are set up with direct access to the Internet, your computer is provided with a copy of the TCP/IP program just as every other computer that you may send messages to or get information from also has a copy of TCP/IP.

<http://192.168.1.254>

What is a url?

Uniform Resource Locator

<http://www.zevenrodriguez.com/teach/index.html>

A B C D E F G

- A. Protocol
- B. World Wide Web
- C. Domain Name
- D. Top Level Domain
- E. Folder
- F. File Name
- G. File Extension

Front-End Development

Front-End Development

Is the term used to describe the combination of HTML, CSS, and javascript to create multimedia experiences and websites.

HTML

HyperText Markup Language

is the standard markup language used to create web pages.



Cascade Style Sheets

Is a markup for styling HTML pages

Javascript

Is a programming language that was developed to create dynamic websites.

Careers

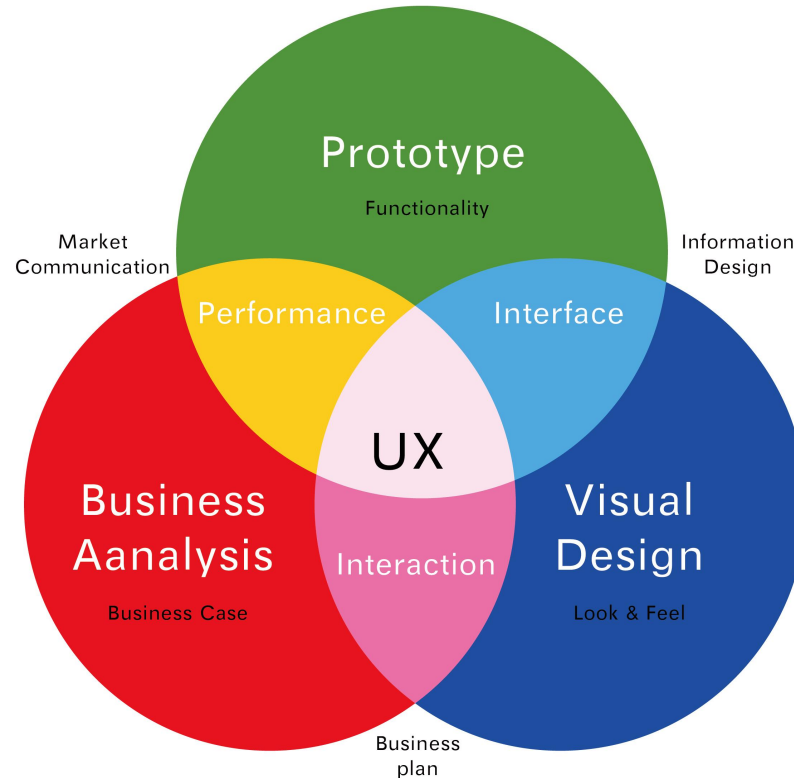
UI & UX Design

- App Design
- Web Design
- Museums/Physical Design

User Interface Design



User Experience Design



Inspiration

AWWWARDS

2017 Webby Awards

2017 Awwwards Web Design Trends

2017 Behance Web Design Trends