

A Very Brief History of the Internet

If someone from the 1950s suddenly appeared today, what would be the most difficult thing to explain to them about life today?



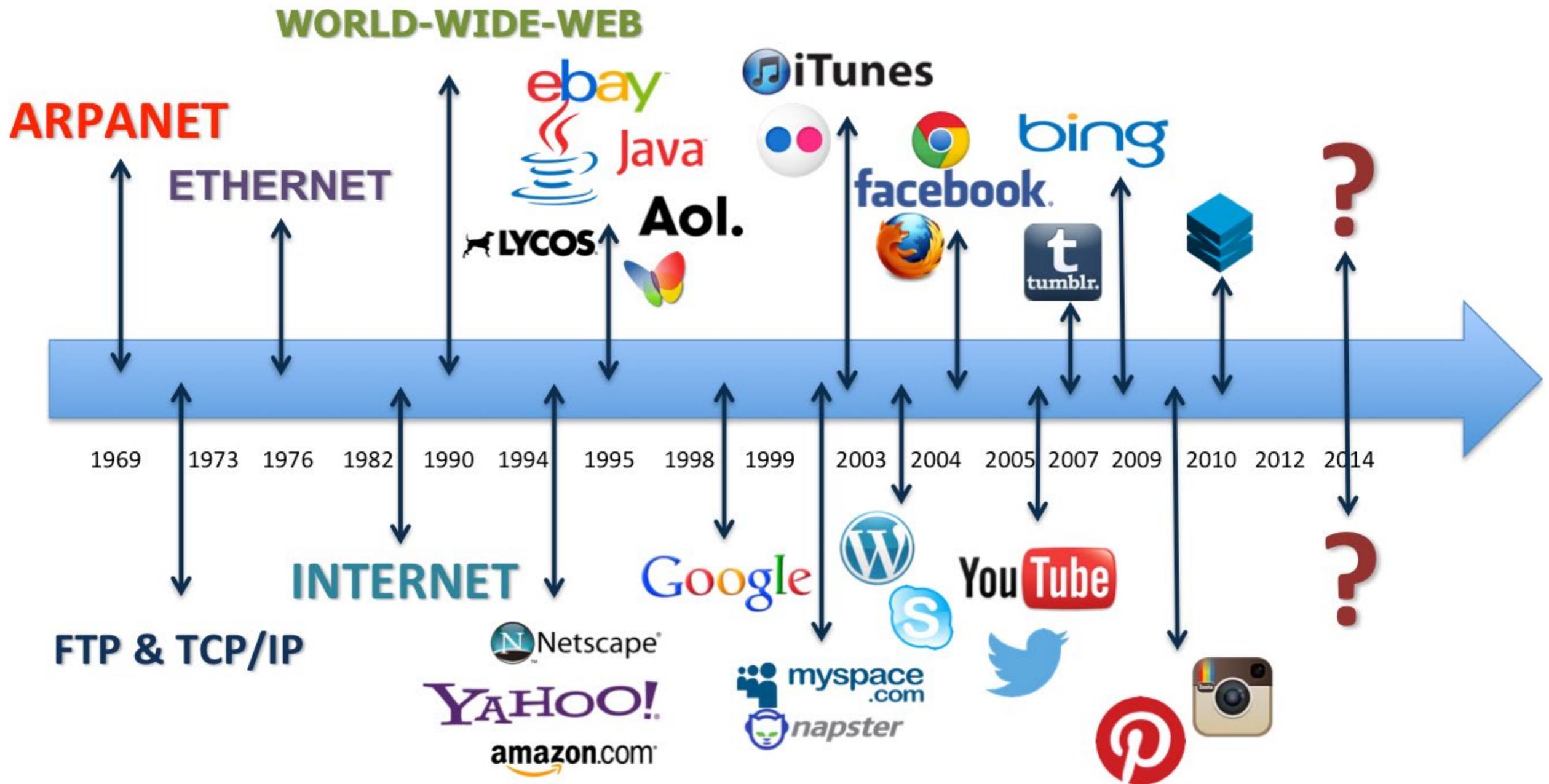
self.AskReddit • 10637 comments

▼ nuseramed

+3411 • 8h

I possess a device, in my pocket, that is capable of accessing the entirety of information known to man.

I use it to look at pictures of cats and get in arguments with strangers.



Sputnik

1957



Sputnik launched by the Soviet Union

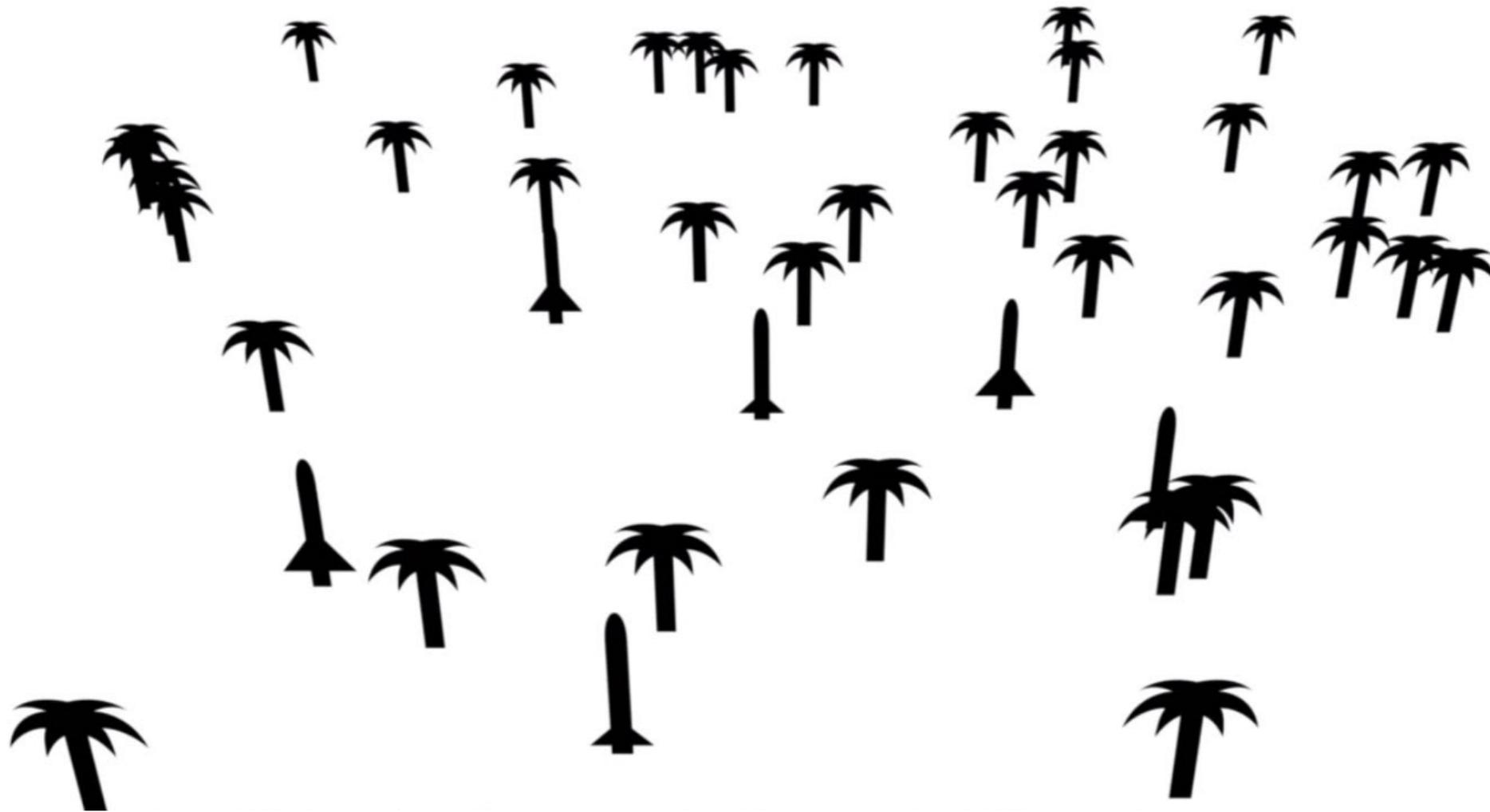
Shocked the world! Especially the USA, who was thinking about satellites, just not quite there.

ARPA (the Advanced Research Projects Agency)

- The US Department of Defense created ARPA (now DARPA) to research/develop technology beyond current identified needs.
- Their most famous project was THE INTERNET.

1962

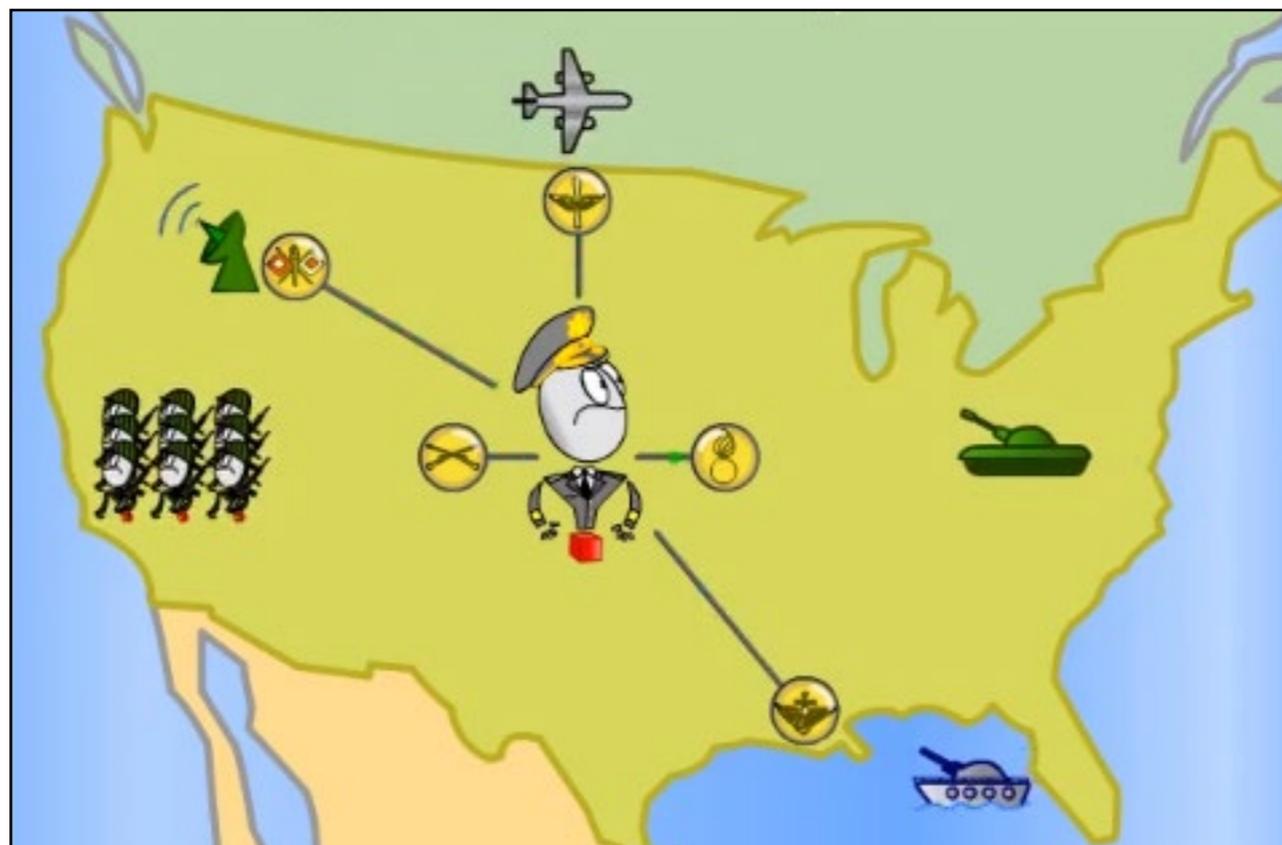
During the Cold War...



In 1962 American aircraft discover middle and long range missiles in Cuba, stoking fear of atomic conflict.

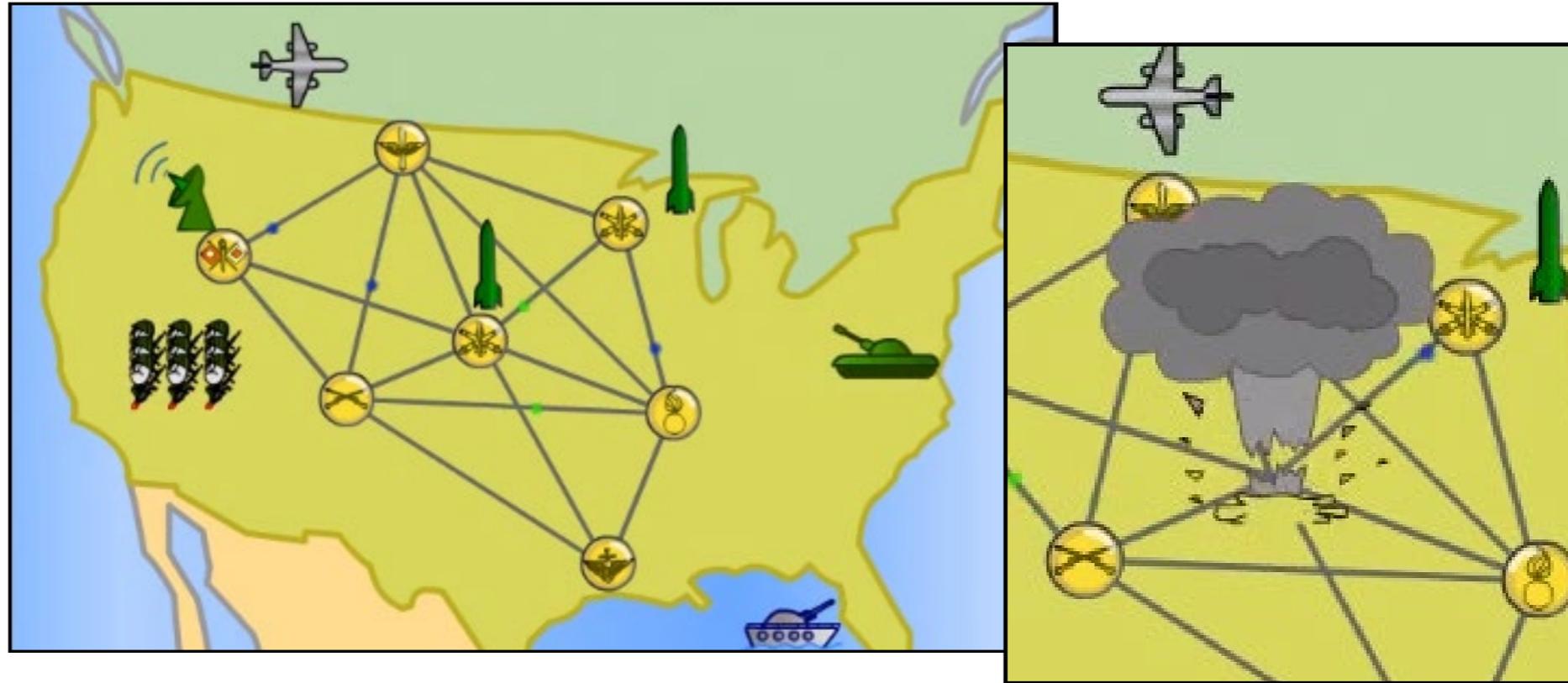


Centralized Military Command

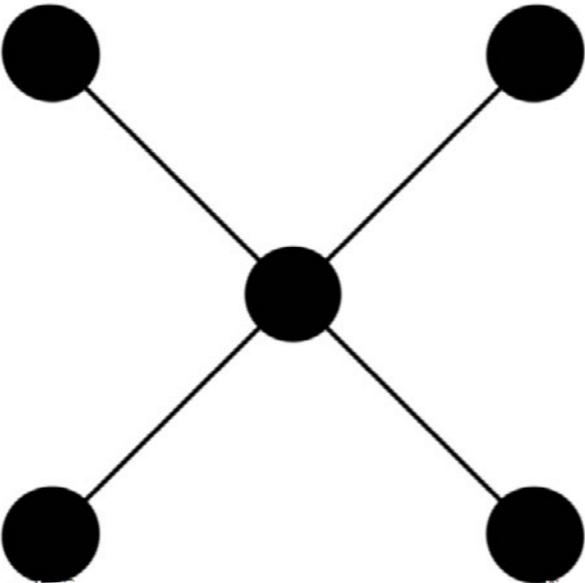




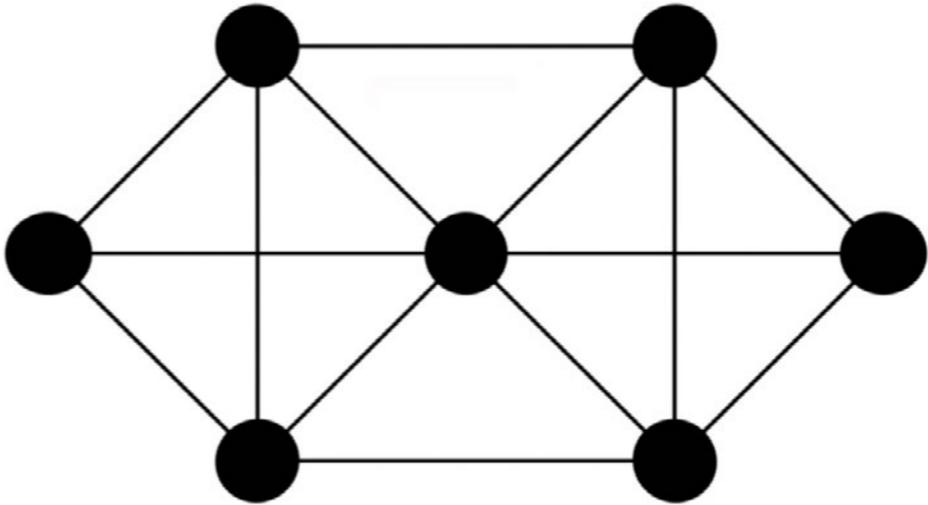
Decentralized Military Command



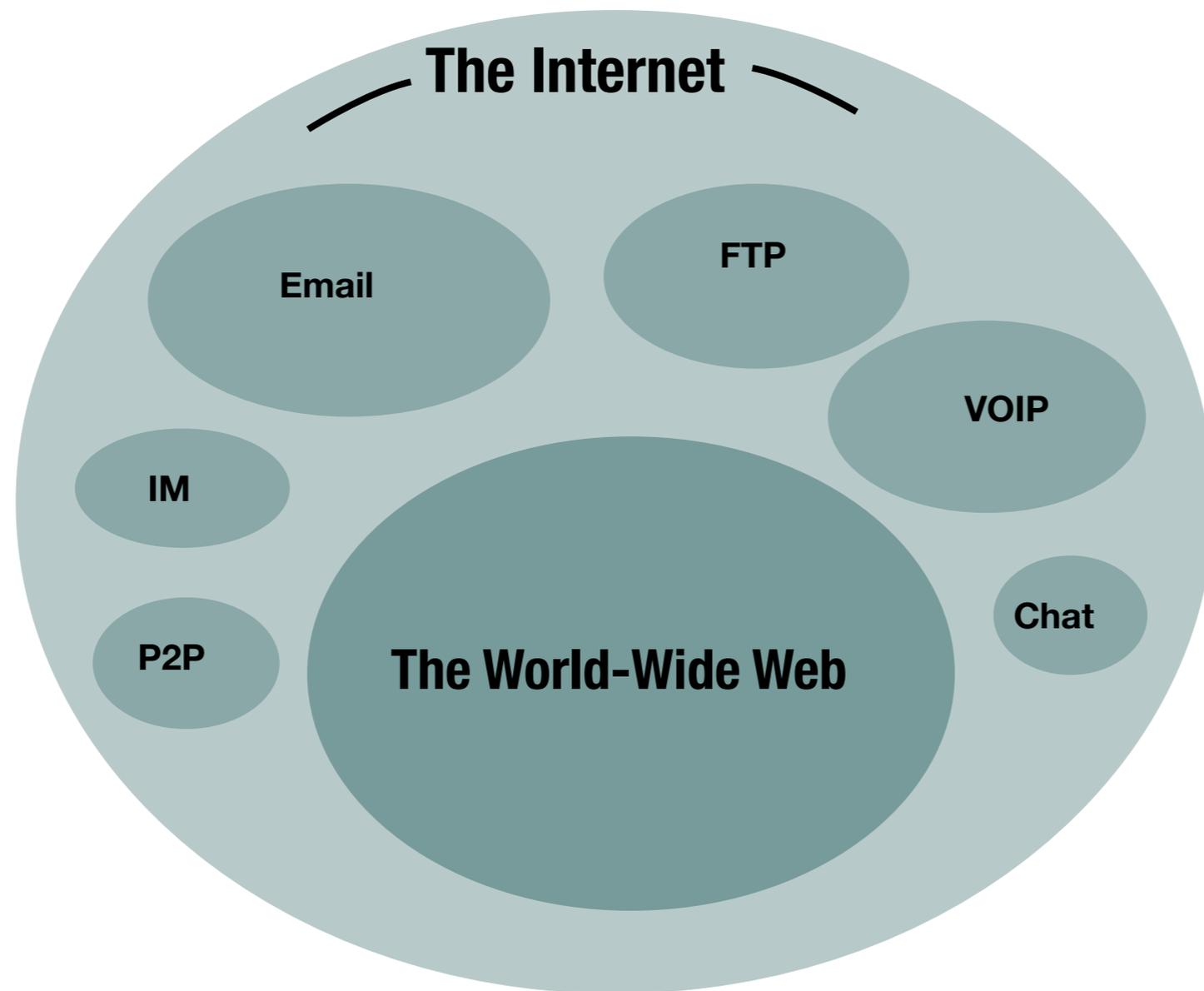
Centralized



Decentralized



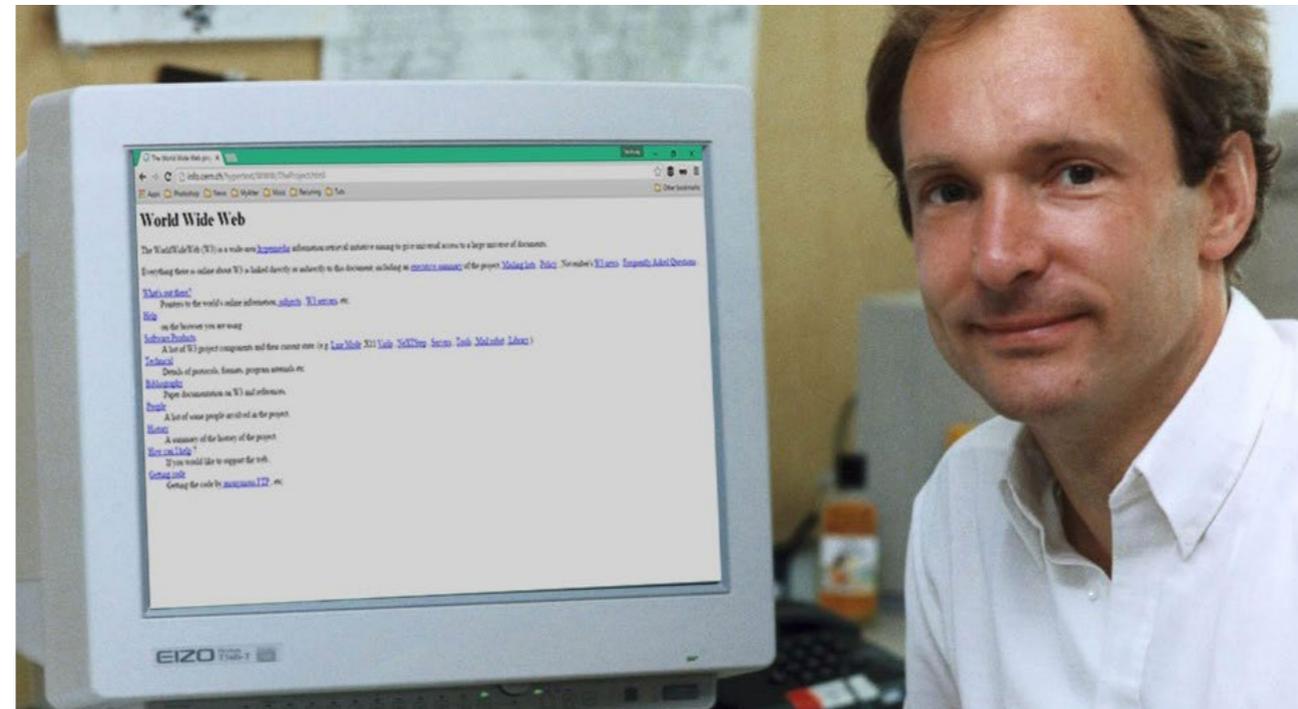
THE INTERNET V. THE WEB



1990

The World Wide Web Developed

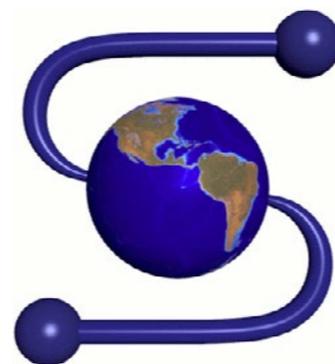
- **Tim Berners-Lee** created an information management system where text could contain links and references to other works.
- Created a server for the hypertext docs. and a program for reading them calling it the World Wide Web.
- Released the source code to the public so anyone could build upon it.

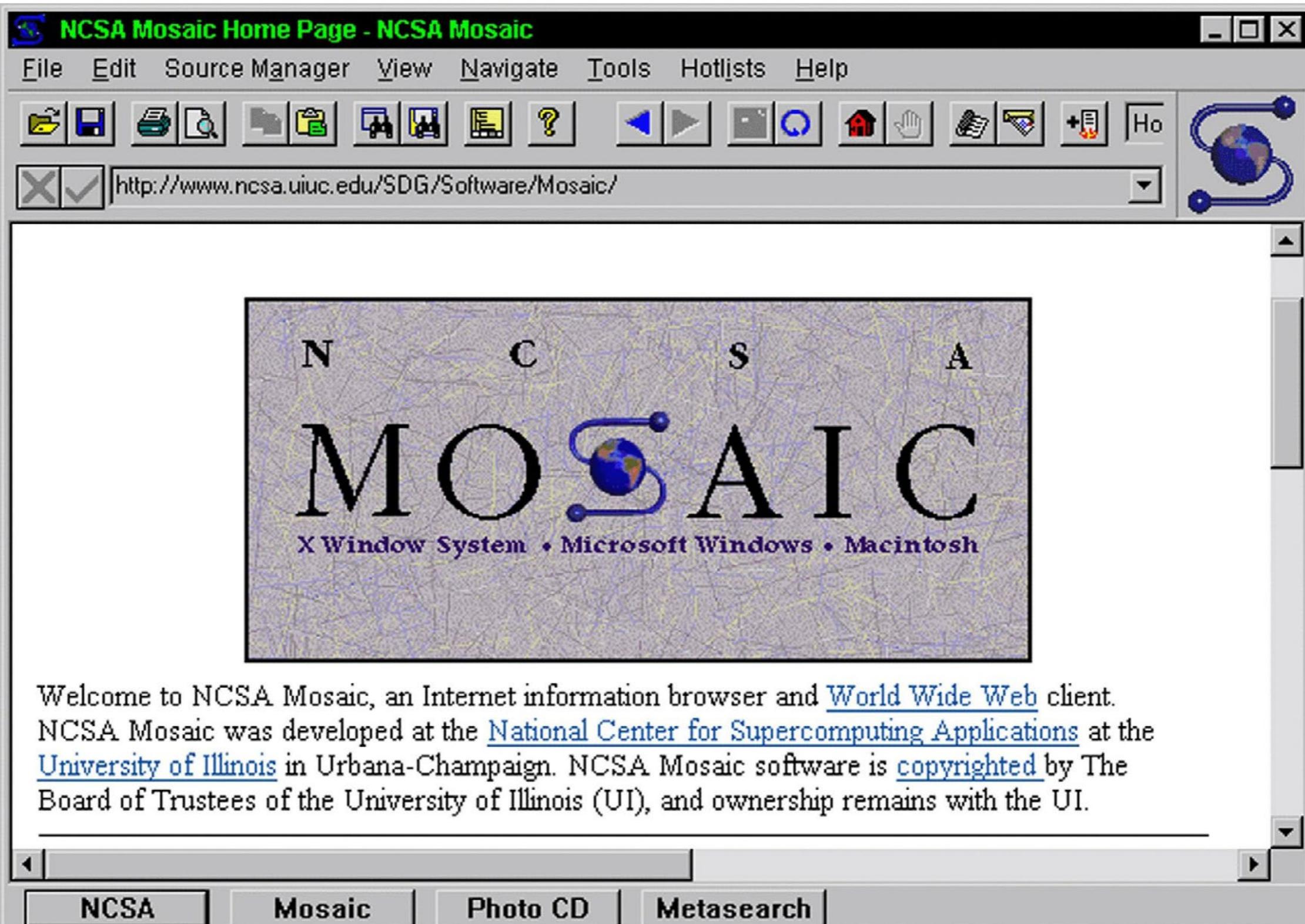


1993

The First Browser, Mosaic, is Released

- A browser reads HTML code and displays it in human-readable way
- Now the web is more publicly-accessible.





1994

World Wide Web Consortium (W3C)

- Tim Berners-Lee founded the W3C
- W3C Vision: to standardize the protocols and technologies used to build the web for maximum global accessibility.
- They produce a set of recommendations, not rules, but guidelines that we call **Web Base Standards**
- The Web Standards Project was created to promote W3C Recommendations

2002

Blogging and Social Networks Become Popular

2007

The iPhone

- Steve Jobs develops the iPhone, unleashing a mobile revolution

Yahoo in 2002

The screenshot shows the Yahoo! homepage with the following elements:

- Navigation Icons:** Finance, Messenger, Check Email, What's New, Personal, Help.
- Launch:** Music, Videos, Radio, Photos.
- Free Email:** free_email@yahoo.com
- Search:** Search advanced search
- Games:** Yahoo! Games - Play online Literati, Diamond Mine, Pool, Chess, Spades, Hearts and more...
- Shop:** Auctions, Autos, Classifieds, Real Estate, Shopping, Travel, Yellow Pgs, Maps, Media, Finance, News, Sports, Weather.
- Connect:** Careers, Chat, GeoCities, Greetings, Groups/Clubs, Mail, Members, Messenger, Mobile, Personals, People Search, Photos.
- Personal:** Addr Book, Briefcase, Calendar, My Yahoo!, PayDirect, Fun Games, Horoscopes, Kids, Movies, Music, TV, more...
- Yahoo! Finance Tax Center:** Resources to do your taxes (Preparation & Filing, Federal Forms, Federal Rates, State Forms, Calculators, Calendar, Tips, Guide for Investors), Less than 2 weeks left, File Online Today, Powered by TurboTax® for the Web™.
- In the News:** Israel proposes exiling Arafat, Muslim nations meet, fail to agree on 'terrorism' definition at conference, Historian: U.S. lied about Cuban Angola role in order to intervene, Trial to begin for Kennedy cousin accused of 1975 Moxley murder, Maryland wins NCAA Hoops title.
- Marketplace:** Spring Fare Sale - save up to 35% on air travel, Gateway Desktop, 1.2GHz processor, 20GB hard drive, 15" color monitor - only \$599, Free tote bag with any Lucky Brand purchase at Nordstrom, New from Stephen King - Everything's Eventual - download ebook, buy hardcover.
- Broadcast Events:** Exclusive Trailers - Tom Cruise in Minority Report, Mel Gibson in Signs, Sherri Crow - artist of the month.
- Arts & Humanities:** Literature, Photography...
- Business & Economy:** B2B, Finance, Shopping, Jobs...
- Computers & Internet:** Internet, WWW, Software, Games...
- Education:** College and University, K-12...
- Entertainment:** Picks, Movies, Humor, Music...
- Government:** Elections, Military, Law, Taxes...
- News & Media:** Full Coverage, Newspapers, TV...
- Recreation & Sports:** Sports, Travel, Autos, Outdoors...
- Reference:** Libraries, Dictionaries, Quotations...
- Regional:** Countries, Regions, US States...
- Science:** Animals, Astronomy, Engineering...
- Social Science:** Archaeology, Economics, Languages...

What's Important About Interactive Design?

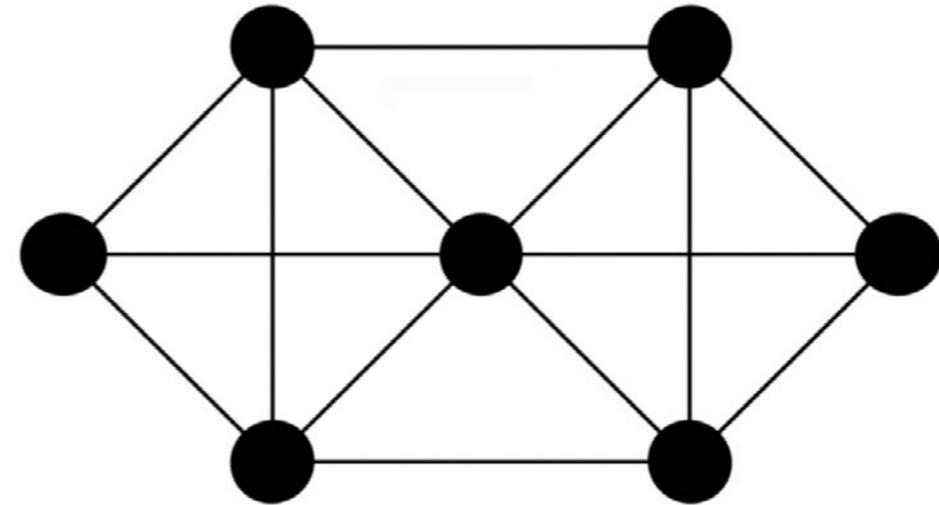
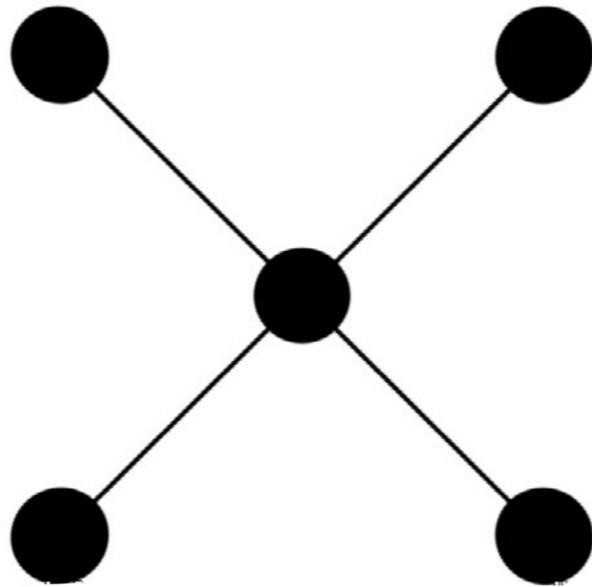


Interactive Design is Communication

...that is global

...that is immediate

...that is uninterfered and thus, democratic



Examples:

Tunisia, Egypt, etc. revolutions

Emergency aid and medical knowledge

Content published regardless of the author's status

Access for very little monetary cost

Interactive Design is Design

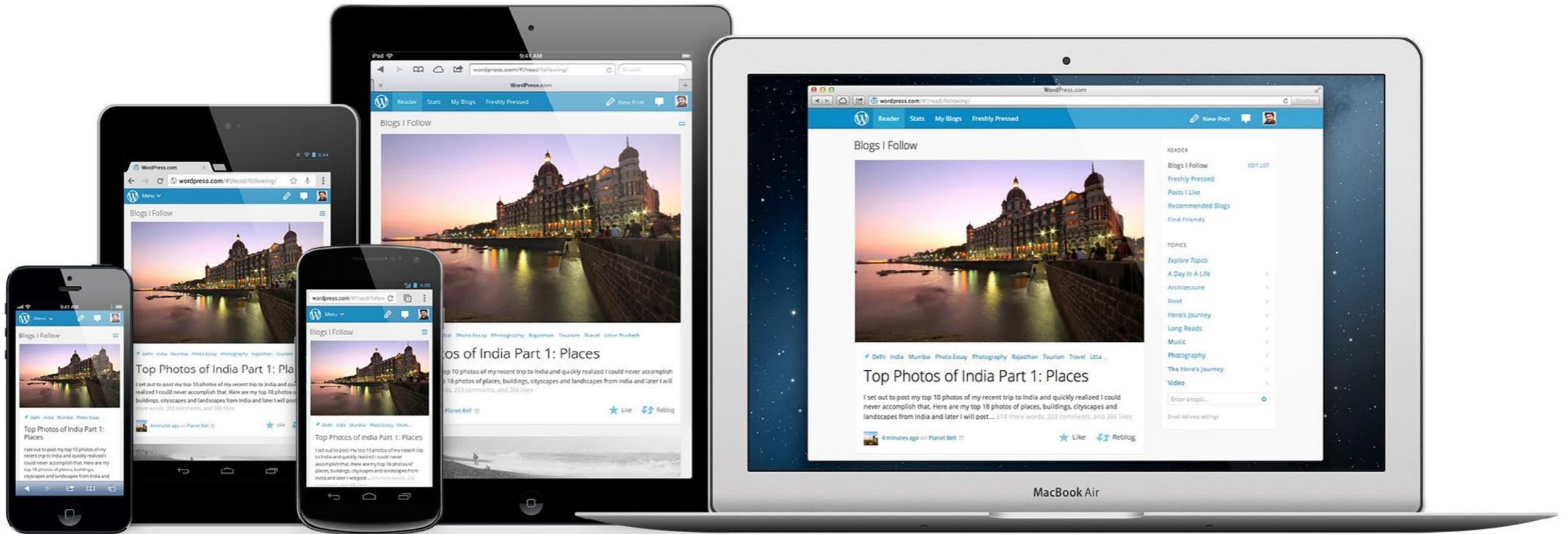
All the elements of two-dimensional design!
...as well as the element of time (4D design)



- Color
- Line
- Shape
- Value/Contrast
- Texture
- Space

...with its own unique challenges.

“Above The Fold”



“Design is about having a plan.
Web design is about having a **backup plan.**”

The user probably
won't see this font.

Interactive Design is User Experience

It's the interactive part!

For example, good interactive design...

- Pays attention to who the user is and what their needs are.
- Creates a tone appropriate for the site.
- Creates an engaging experience.
- Ensures users can easily find what they need.



The Browser

- Software developed to present data/content sent from a server in visual manner through a **Graphical User Interface (GUI)**
- Browsers follow W3C standards but vary to some degree in default presentations and vary more so in support for advanced features of CSS.



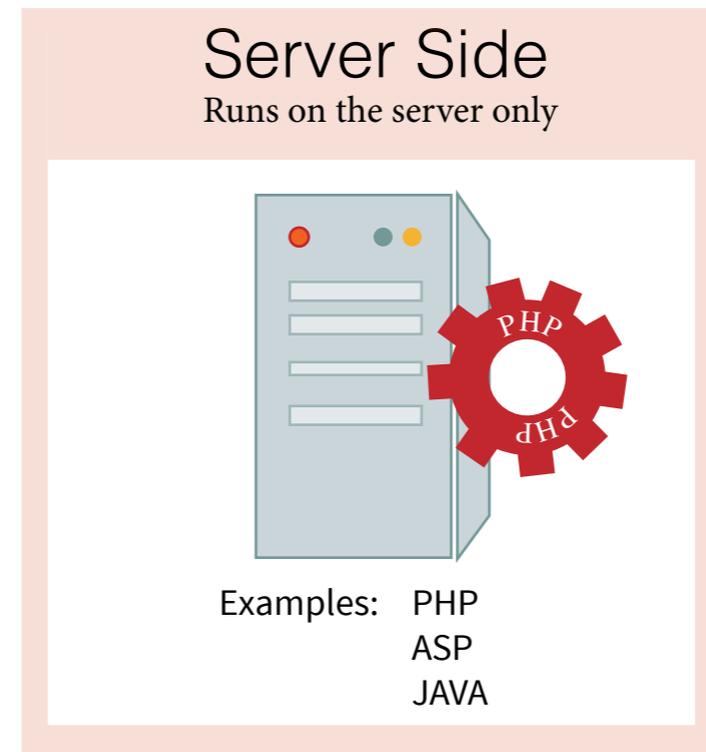
- Opera, Chrome, Safari and Firefox perform the best. Internet Explorer historically lags behind.

2 Types of design/development

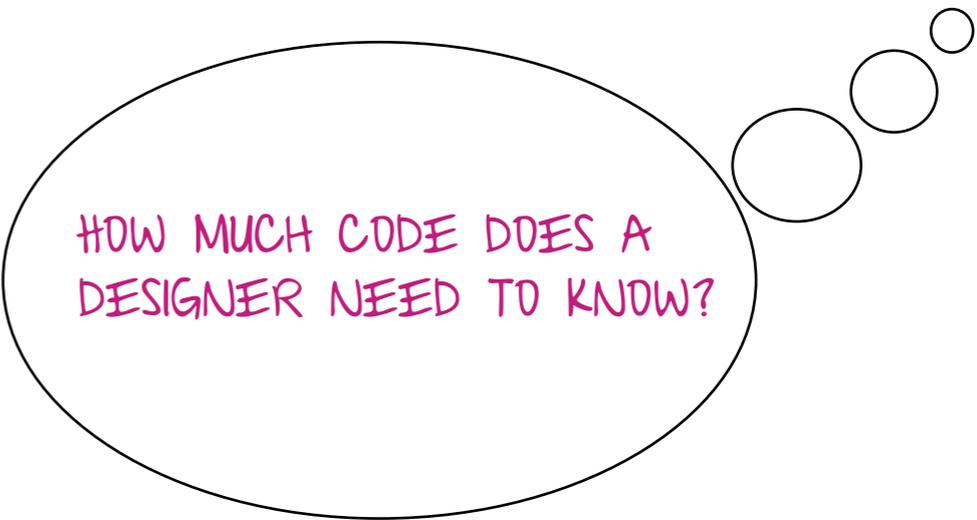
Front-End Design/
Development



Back-End Development



It Depends...



In-House Graphic Designer

OR

Designer at a small agency
or Non-Profit

OR

Freelance Web Designer

Graphic Designer at a big
wealthy ad agency



Might not code at all, but still needs to know how code affects design and what the developers will need.



Codes the most. (Especially in a bad economy.) A freelancer usually needs to have the most coding skills of all.