

Teknologi Web

[MI2413]

Management Informatika | Fakultas Ilmu Terapan | 2016

WIU | TFN | SKS | MBS

Generasi Web 1.0



Kajian #1

Minggu	Ke	Jenis	Kajian	Kompetensi Dasar	Pokok Bahasan	Sub Pokok Bahasa	Materi Bahasan	Metode	Media	Pustaka
1	1	Teori	<i>Sejarah Perkembangan Web</i>	Menunjukkan sejarah perkembangan internet	Sejarah perkembangan internet	Sejarah internet berdasarkan tahun	<ul style="list-style-type: none"> - Kontrak perkuliahan - Tujuan mata kuliah - Sekilas sejarah internet 	Ceramah Diskusi	Multimedia projector, papan tulis, komputer	1,2
2	2	Teori				Sejarah internet berdasarkan tokoh dan teknologi yang dihasilkan	<ul style="list-style-type: none"> - Tokoh-tokoh yang berperan dalam sejarah perkembangan internet - Teknologi penting yang dihasilkan oleh tokoh-tokoh tersebut - Sejarah dan latar belakang munculnya teknologi yang dihasilkan oleh tokoh-tokoh tersebut. - Manfaat internet bagi masyarakat luas 	Ceramah Diskusi	Multimedia projector, papan tulis, komputer	1,2
3	3	Teori		Menunjukkan sejarah perkembangan web	Sejarah perkembangan web	Generasi web dan Jenis-jenis web	<ul style="list-style-type: none"> - Pendahuluan tentang generasi web dan jenis-jenis web - Client-side-scripting - Karakteristik Web 1.0 - Teknologi yang digunakan pada Web 1.0 - Contoh nyata Web 1.0 - Kelebihan dan kekurangan Web 1.0 	Ceramah Diskusi	Multimedia projector, papan tulis, komputer	1,2,3
4	4	Teori					<ul style="list-style-type: none"> - Latar belakang munculnya Web 2.0 - Server-side-scripting - Karakteristik Web 2.0 - Teknologi yang digunakan pada Web 2.0 - Contoh nyata Web 2.0 - Kelebihan dan kekurangan Web 2.0 	Ceramah Diskusi	Multimedia projector, papan tulis, komputer	3,4,5, 6
5	Assessment Kajian 1									



Tahukah Anda Apa itu?

- Jelaskan Cara Kerja Internet?
- Apa perbedaan HTTP dengan HTTPS?
- Sebutkan minimal 3 Protocol yang umumnya dipakai pada layanan email?



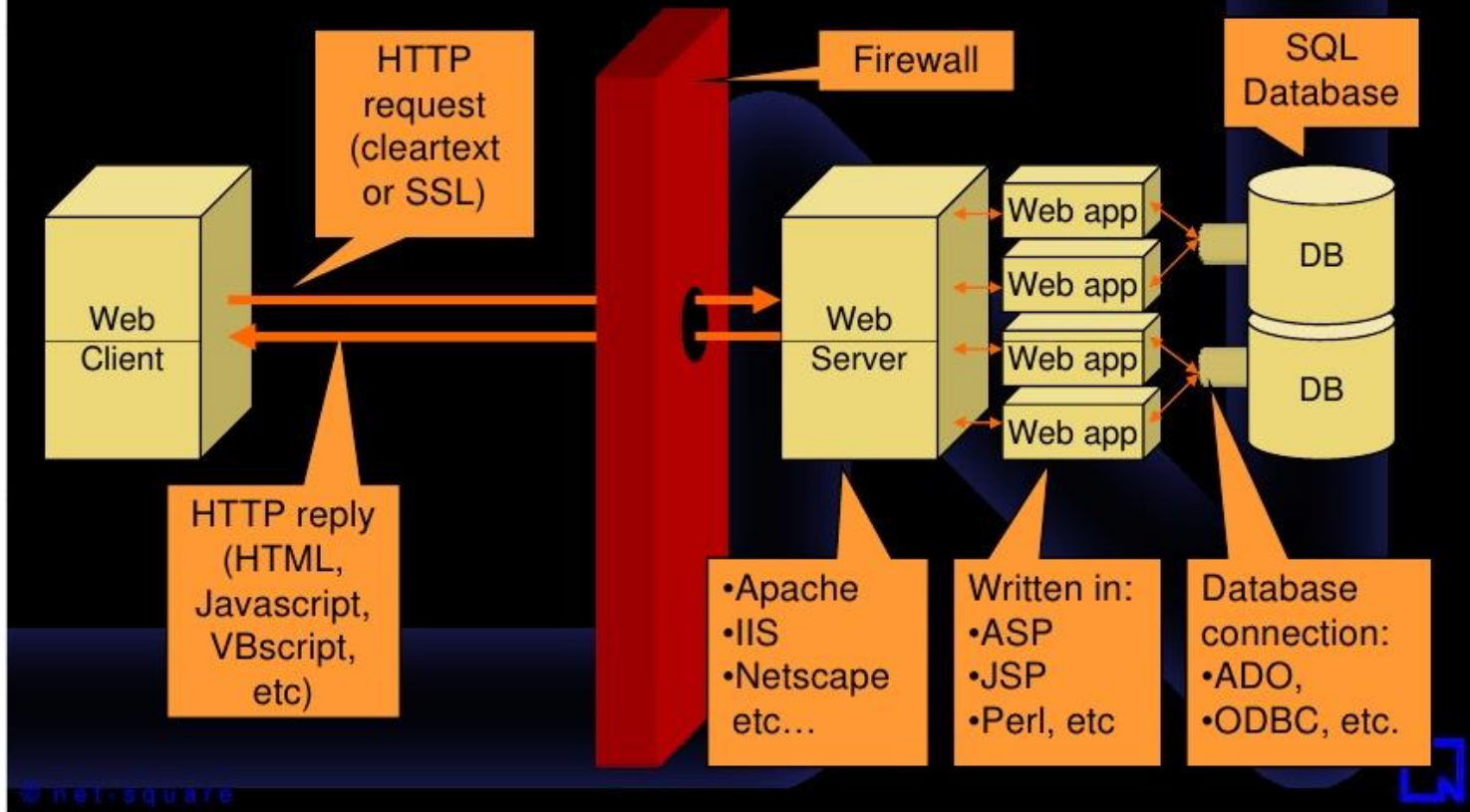
Type of Website

cari tahu tentang berbagai jenis web berikut!

- Web Portal
- Search Engine
- Webmail
- Mirror Site
- Microblog
- Blog
- Social Media
- Web Forum
- Social Networking
- E-Commerce
- Media Sharing
- News Site
- Video Sharing
- Repository Site
- etc...



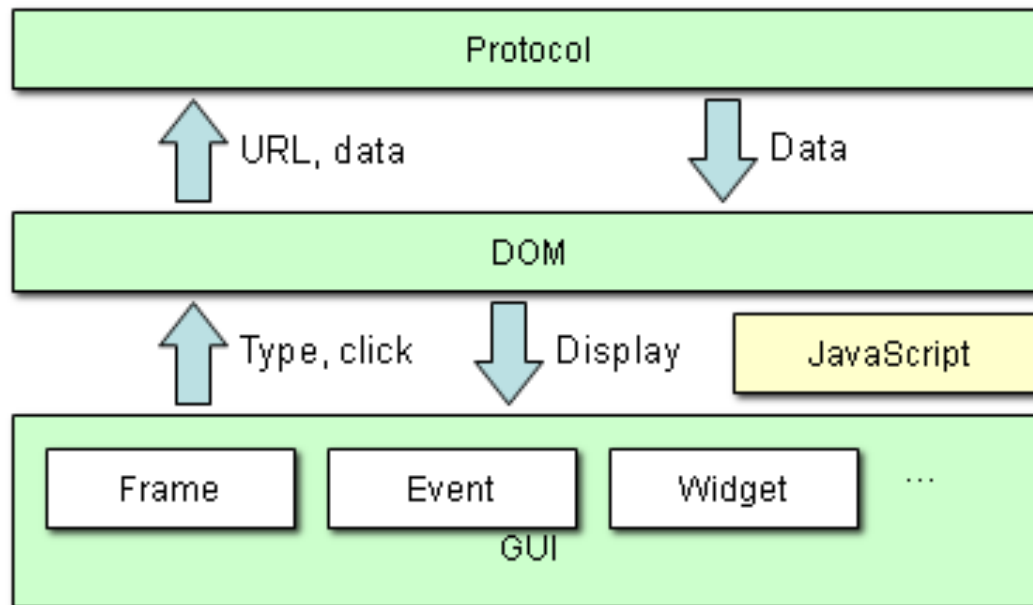
Web 1.0 Application Architecture



Web 1.0 Application Level

NAIST-Keio Joint Lecture

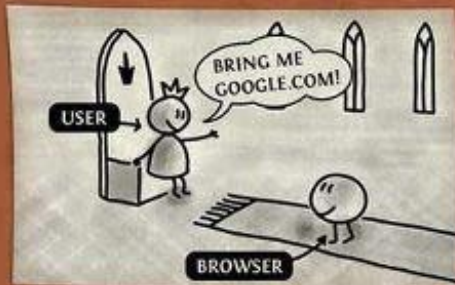
On browser evolution: Web 1.0 browser architecture



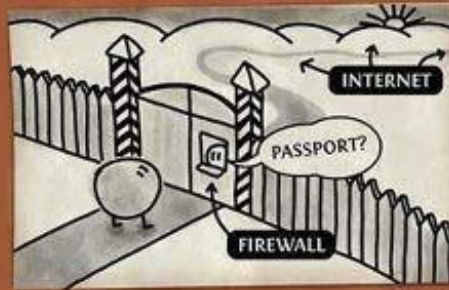
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Overview

How Web Browser Works..



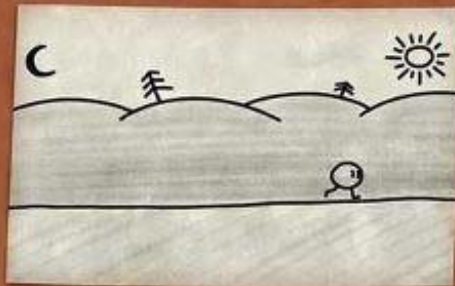
1



2



3



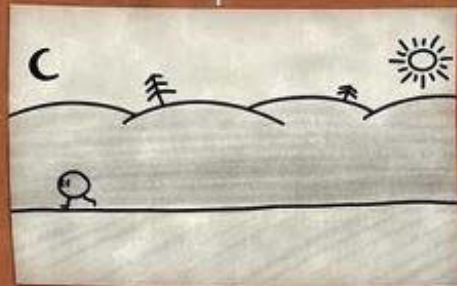
4



5



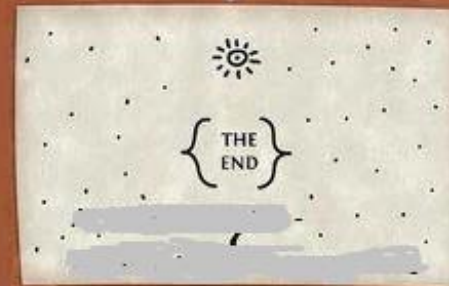
6



7



8

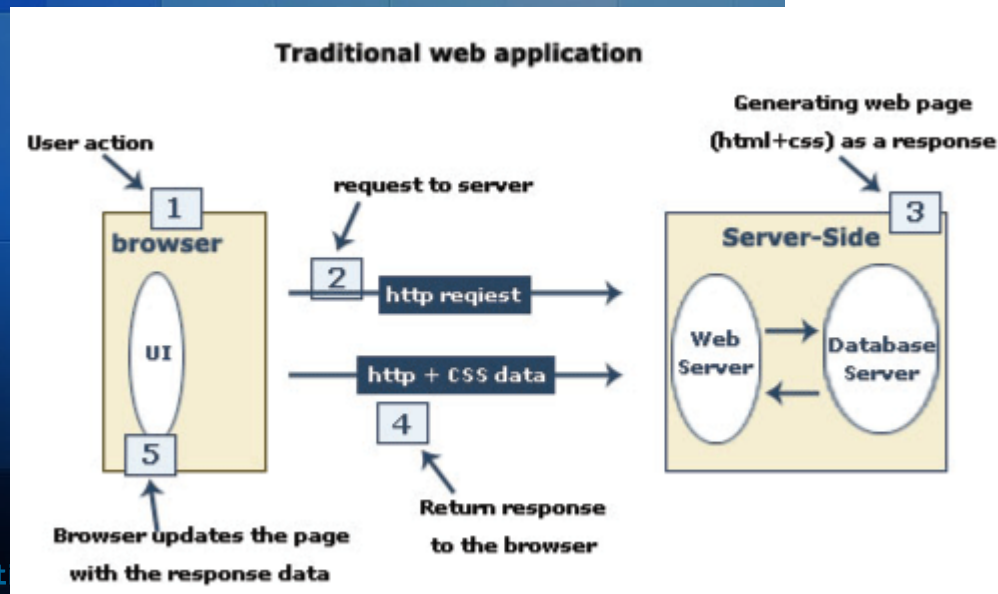
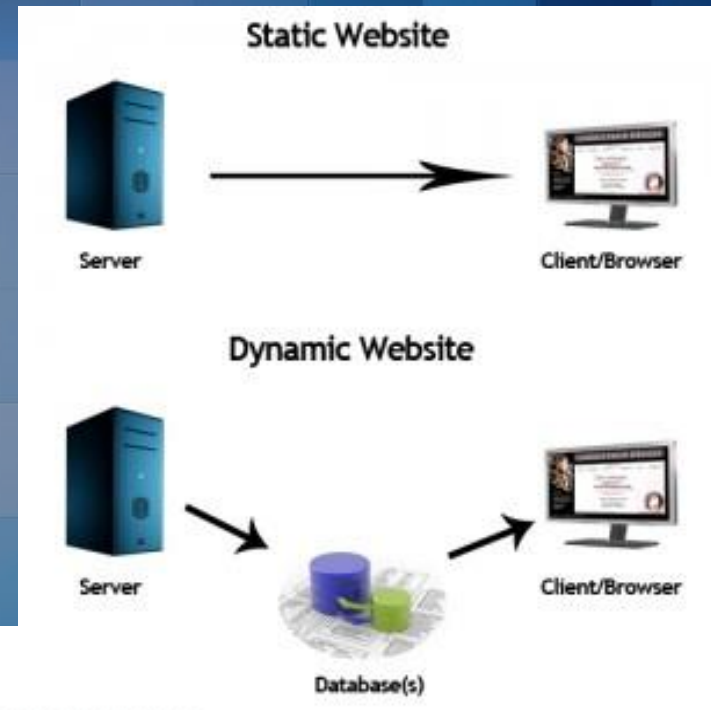


9

Bagaimana web 1.0 bekerja?

Web Static

- HTML
- CSS
- Javascript



Diskusi Kelas

Buat Group (3 mahasiswa), kemudian cari tahu **Cara Kerja** dari salah satu web berikut ini,

- Web News
- Web Jual Beli Online
- Web Forum Diskusi
- Web Mail



Karakteristik Web 1.0

Referensi Wikipedia

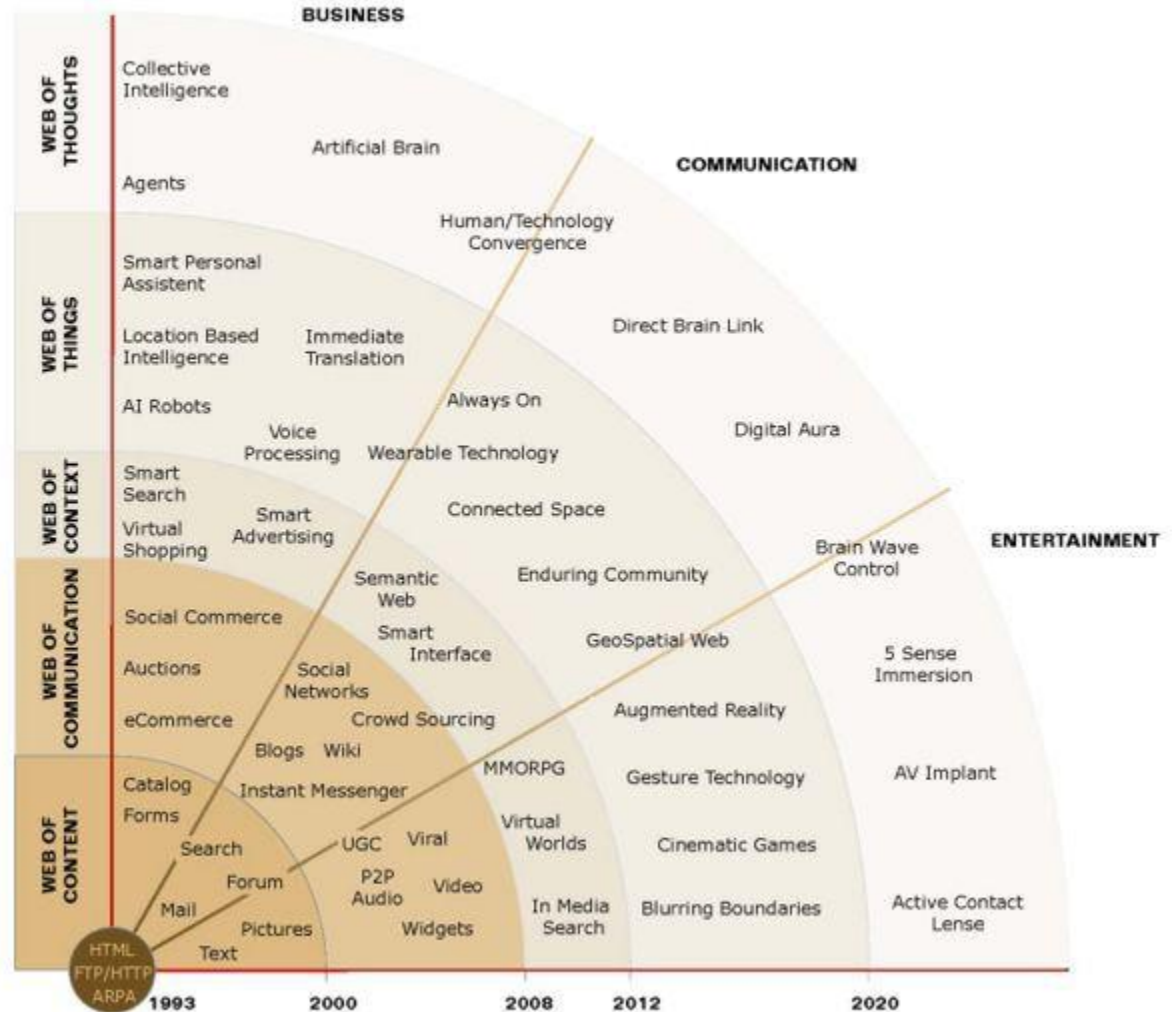
- **Static pages** instead of dynamic HTML.[14]
- Content served **from the server's filesystem** instead of a RDBMS.
- Pages built using Server Side Includes or CGI instead of a web application written in a dynamic programming language such as PHP or Ruby.
- The use of **HTML 3.2-era elements** such as frames and tables to position and align elements on a page. These were often used in combination with spacer GIFs.
- Proprietary **HTML extensions**, such as the <blink> and <marquee> tags, introduced during the first browser war.
- Online guestbooks.
- **GIF buttons**, graphics (typically 88x31 pixels in size) promoting web browsers, operating systems, text editors and various other products.
- **HTML forms sent via email**. Support for server side scripting was rare on shared servers during this period. To provide a feedback mechanism for web site visitors, mailto forms were used. A user would fill in a form, and upon clicking the form's submit button, their email client would launch and attempt to send an email containing the form's details. The popularity and complications of the mailto protocol led browser developers to incorporate email clients into their browsers



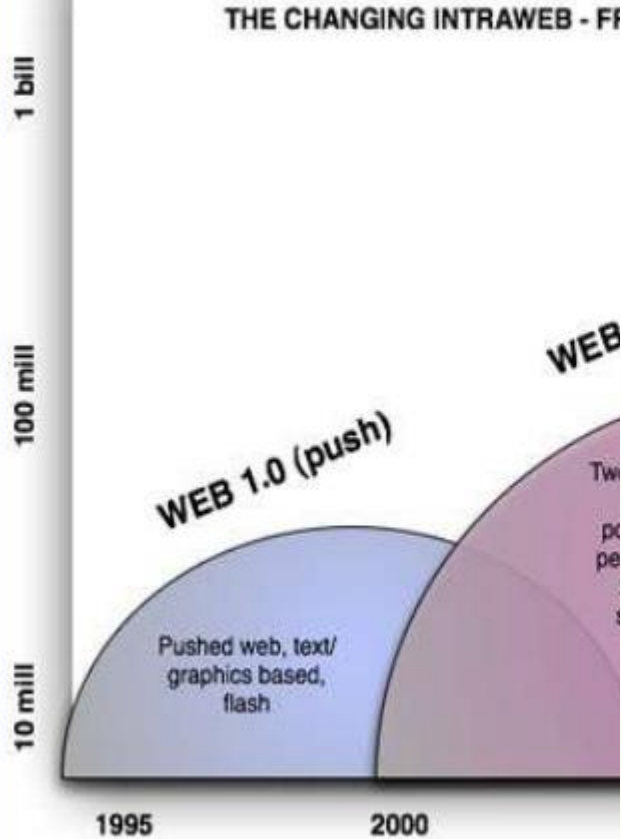
Perbandingan Web

trendne
NILS MÜLLER COMMUNICATIONS

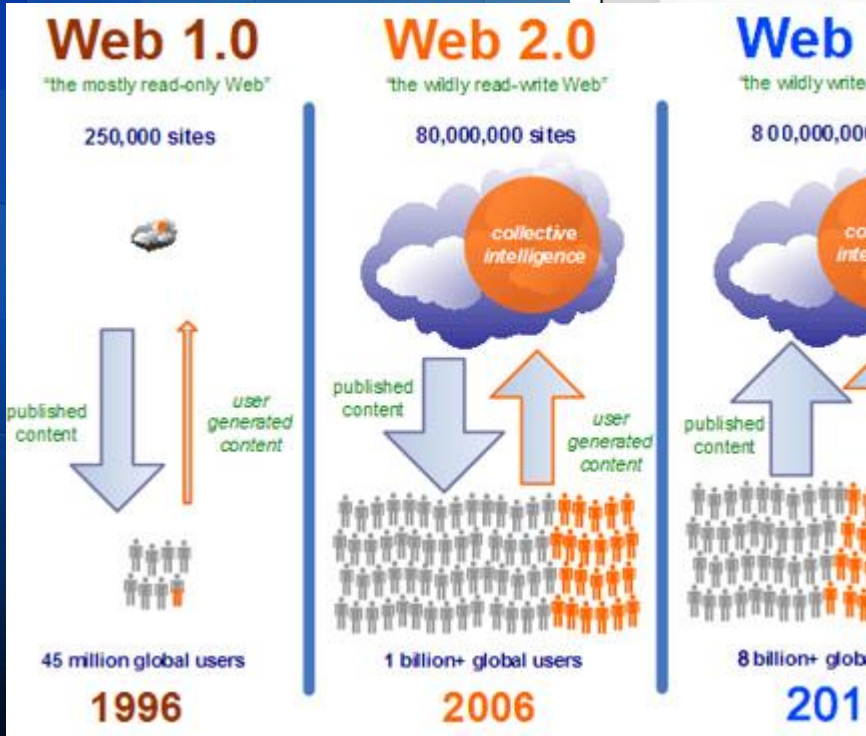
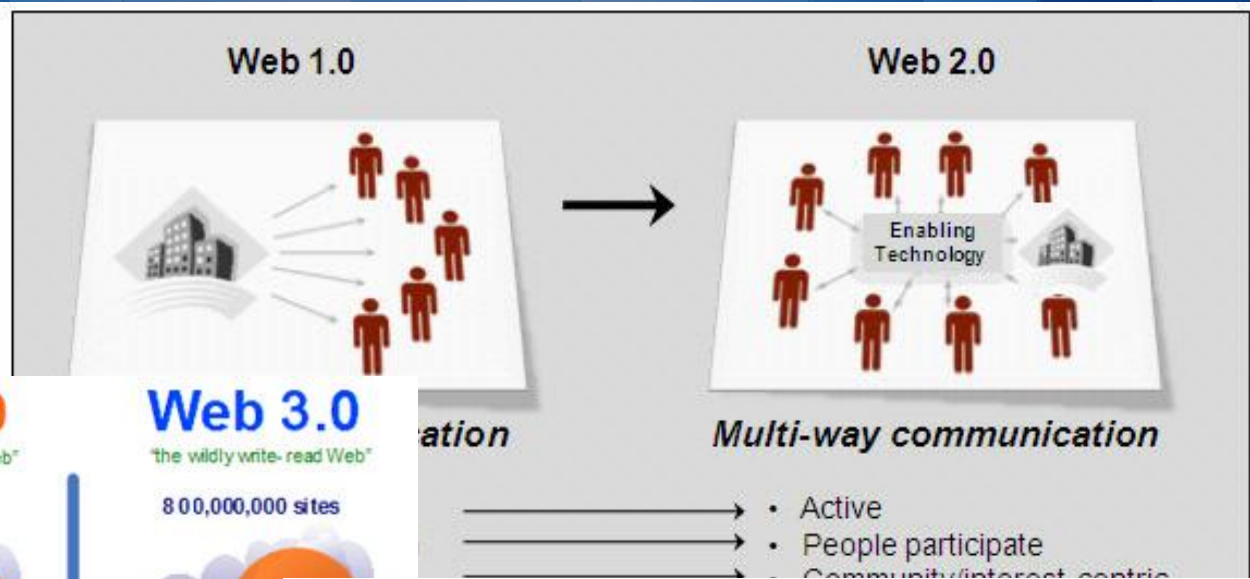
THE WEB EXPANSION FROM WEB OF THINGS TO WEB OF THOUGHTS



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Perbandingan cara kerja Web 1.0

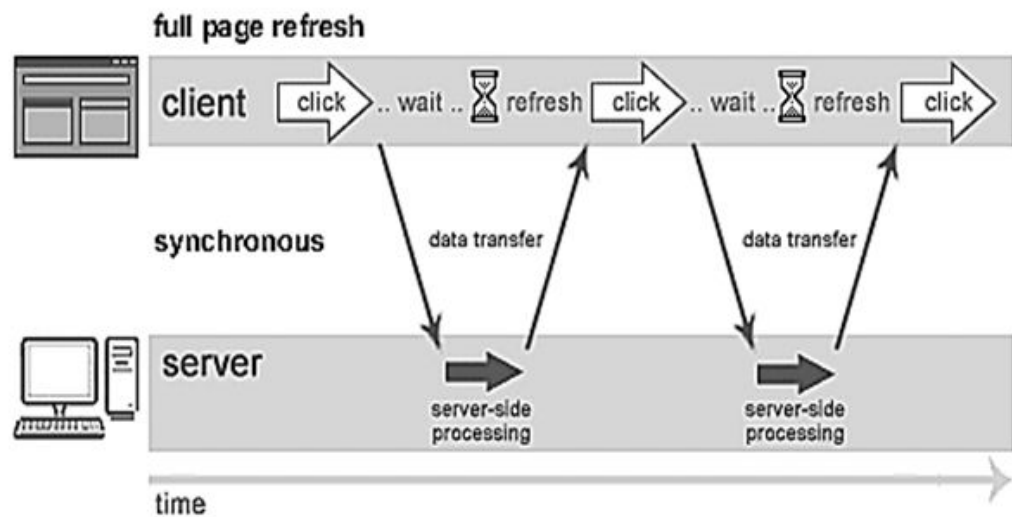
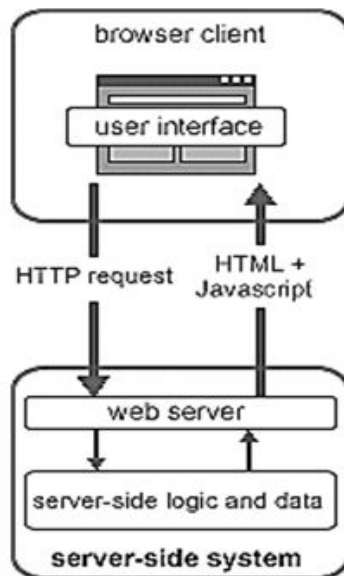


	Web 1.0	Web 2.0	Web 3.0
Communication	Broadcast	Interactive	Engaged / Invested
Information	Static / Read-only	Dynamic	Portable & Personal
Focus	Organization	Community	Individual
Personal	Home Pages	Blogs / Wikis	Lifestreams
Content	Ownership	Sharing	Curation
Interaction	Web Forms	Web Applications	Smart Applications
Search	Directories	Keywords / Tags	Context / Relevance
Metrics	Page Views	Cost Per Click	User Engagement
Advertising	Banners	Interactive	Behavioral
Research	Britannica Online	Wikipedia	The Semantic Web
Technologies	HTML / FTP	Flash / Java / XML	RDF / RDFS / OWL

Cara Kerja Web 1.0

Pre-amble (1) Web 1.0

Basic web 1.0 architecture & communication

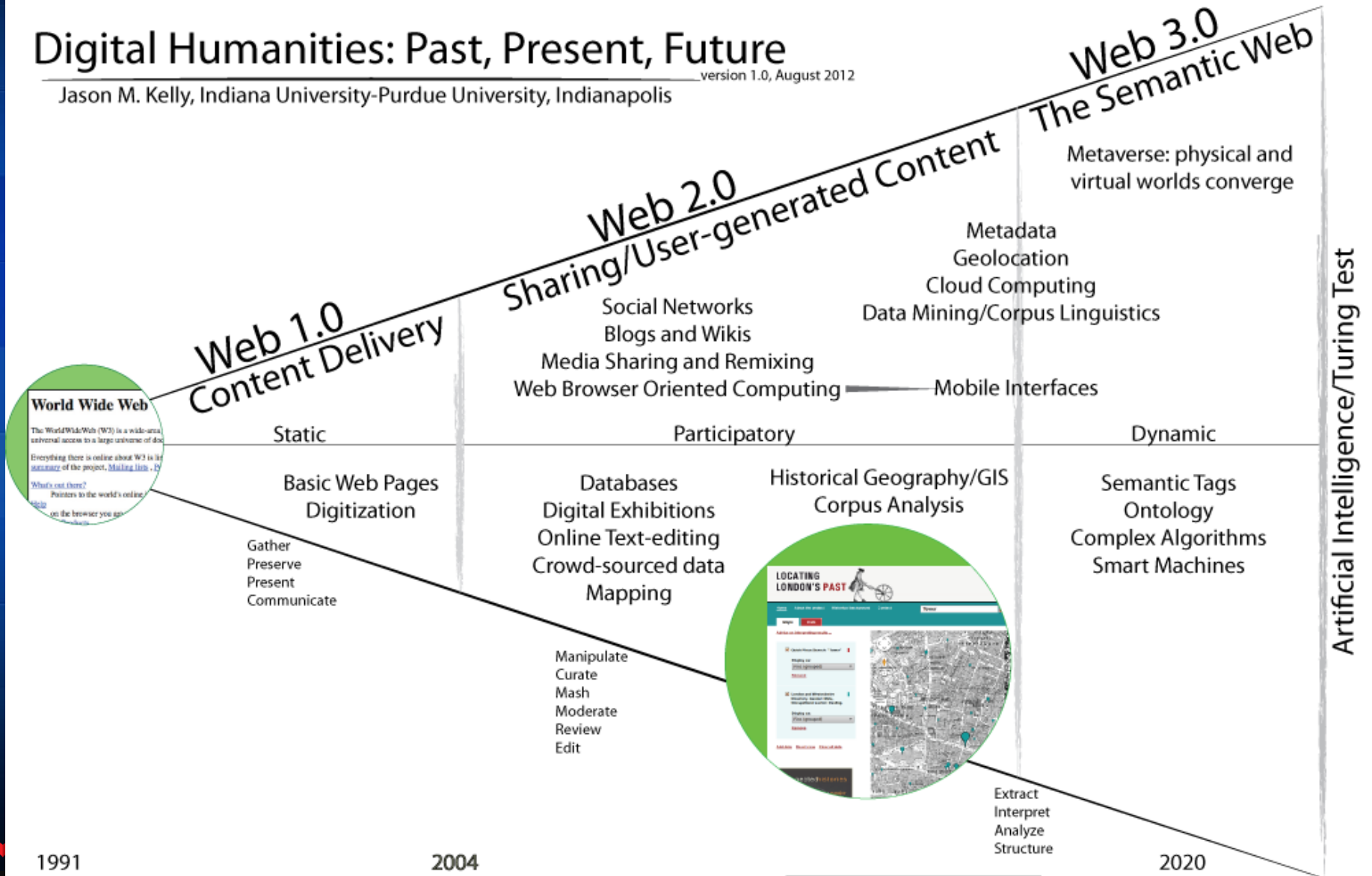


Perbandingan versi Web

Digital Humanities: Past, Present, Future

version 1.0, August 2012

Jason M. Kelly, Indiana University-Purdue University, Indianapolis



Contoh Web 1.0 (era 2000an)

detikcom DIGITAL LIFE
Intel helps you do more with your PC

Agenda SI MPR 98 Peta Situs

11/11/98 17:40 WIB
Trimoclja siap Hadapi Gugatan Kodam

11/11/98 17:35 WIB
Bentrok Di Surabaya 5 Orang Cidera

11/11/98 17:25 WIB
Wartawan Antara dan 2 Mahasiswi Dihajar Aparat

11/11/98 17:11 WIB
Polri Tegaskan Soal Pam Swakarsa

11/11/98 16:16 WIB
Aksi Massa Mulai Bergeliat

11/11/98 15:10 WIB
SI Tandingan Di Tugu Proklamator

11/11/98 14:15 WIB
Di Solo Demo Belum Usai

Updated 19:00 (11/11/98)
Massa - Aparat Berhadapan Di Imam Bonjol
Massa mahasiswa saat ini sudah berhadap-hadapan dengan aparat keamanan. Mahasiswa, Kamis (11/11) 18.45 masih bertahan dan ngotot meminta aparat membiarkan mahasiswa menuju gedung MPR.

Updated 12:06 (11/11/98)
Pertemuan Ciganjur Dorong SI Serap Aspirasi Rakyat
Pertemuan Ciganjur antara Gus Dur, Amien Rais, Megawati dan Sri Sultan HB X, dinilai positif oleh kalangan. Pertemuan tokoh dengan dukungan massa diharapkan akan mendorong SI MPR untuk mendengarkan aspirasi dari bawah yang sedemikian k

Updated 11:02 (11/11/98)
Pam Swakarsa Pulang Kampung
Hari kedua SI MPR, Rabu (11/11), denyut kota Jakarta sudah lebih hidup dibanding Selasa (10/11). Jalanan sedikit lebih ramai. Pasukan Keamanan (Pam) Swakarsa, tak terlihat di jalanan. Kabarnya, mereka dipulangkan ke kampung masing-masing.

YAHOO!
New Cool Today's News More Yahoo!
1998 Winter Games NBA - NASCAR - PGA
Valentine's Day ORDER FLOWERS, WIN A TRIP! CLICK HERE
Valentine's Day Yahoo! Personals

options

Yellow Pages - People Search - Maps - Classifieds - Personals - Chat - Free Email
Shopping - My Yahoo! - News - Sports - Weather - Stock Quotes - more...

- **Arts and Humanities**
Architecture, Photography, Literature...
- **Business and Economy [Xtra!]**
Companies, Finance, Employment...
- **Computers and Internet [Xtra!]**
Internet, WWW, Software, Multimedia...
- **Education**
Universities, K-12, College Entrance...
- **Entertainment [Xtra!]**
Cool Links, Movies, Music, Humor...
- **Government**
Military, Politics [Xtra!], Law, Taxes...
- **Health [Xtra!]**
Medicine, Drugs, Diseases, Fitness...
- **News and Media [Xtra!]**
Current Events, Magazines, TV, Newspapers...
- **Recreation and Sports [Xtra!]**
Sports, Games, Travel, Autos, Outdoors...
- **Reference**
Libraries, Dictionaries, Phone Numbers...
- **Regional**
Countries, Regions, U.S. States...
- **Science**
CS, Biology, Astronomy, Engineering...
- **Social Science**
Anthropology, Sociology, Economics...
- **Society and Culture**
People, Environment, Religion...

What's New - Weekly Picks - Today's Web Events - Yahoo! Internet Life
Yahoo!igans! for Kids - Visa Shopping Guide - Yahoo! Style - 3D Stock Viewer

World Yahoos: Australia & NZ - Canada - Denmark - France - Germany - Japan - Korea
Norway - SE Asia - Sweden - UK & Ireland

Yahoo! Metros: Atlanta - Austin - Boston - Chicago - Dallas / Fort Worth - Los Angeles
Get Local: Miami - Minneapolis / St. Paul - New York - S.F. Bay - Seattle - Wash D.C.

Smart Shopping with

How to Suggest a Site - Company Info - Openings at Yahoo! - Contributors - Yahoo! How-To

**73 Tanda
Kecanduan
Internet
(4/11/1998)**



Contoh Web 1.0 (era 2000an)

REPUBLICA

PROFIL MEDIA KIT TELUSUR HOME

Rubrik Hari Ini: Sabtu, 12 Desember 1998 -- Site ini diperbarui pukul 03:53:23 WIB [Text Only]

BERIKLAN
Lebih Jauh tentang Iklan

LANGGANAN
Mendaftar Secara Online

Media Kit Republika

MEDIA KIT
5 Tahun Republika

Profil
Kotak Pos
Bantuan
Sitemap



Wiranto Kumpulkan Jenderal di Lemhanas

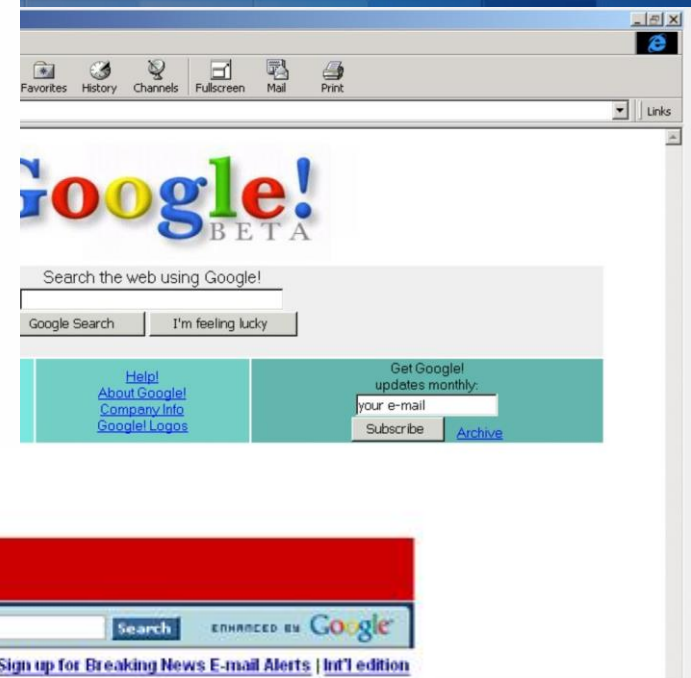
JAKARTA -- Menhankam/Pangab Jenderal TNI Wiranto mengadakan pertemuan tertutup dengan Gubernur Lemhanas Letjen TNI Agum Gumelar, Gubernur DKI Jaya Letjen TNI Sutiyo, dan Mentrans Letjen TNI AM Hendropriyono. [Berita selengkapnya]

FOTO: WAKTU Ya Putu Wijaya tampil Bakti Budaya TIM, k Waktu Yang Alfa.

HIKMAH: "Hari Al akhirat. Kehidupan c runtuh, dan cepat la yang kekal dan abad

BERITA UTAMA

Danarto, Ham: Terlibat Peran Danarto bersarung putih-putih lengkap



Google! BETA

Search the web using Google!

Google Search I'm feeling lucky

Help About Google Company Info Google Logos

Get Google! updates monthly: your e-mail Subscribe Archive

CNN.com

SPECIAL COVERAGE: WAR IN IRAQ

SEARCH The Web CNN.com ENHANCED BY Google

Updated: 08:00 a.m. EST (1200 GMT) March 31, 2003

Home Page World U.S. Weather Business as Usual Sports Politics Law Technology Science & Space Health Entertainment Travel Education Special Reports

SERVICES Video Newswatch E-Mail Services CNN To Go

SEARCH Web CNN.com

'Death squads' hunted

- Central Command says coalition is "denying freedom of movement throughout the western desert"
- Coalition says 100 "terror squad members" killed in fighting around Najaf and Samawah in southern Iraq
- 82nd Airborne Division take another 50 Iraqi prisoners
- Iraqi TV's domestic service taken off the air Monday by coalition bombing

FULL STORY

- Video: [Marines patrol Nasiriya](#) | [UK troops advance](#)
- Animation: [Palace takeover](#) | [War Gallery](#): [Latest photos](#)
- Your comments: [For and Against](#) | [War Tracker](#)

WAR ZONE

- CNNRadio:** [Listen to the latest news](#)
- Interactive:** [Street fighting](#) | [Slide Show: Battling oil fires](#)
- U.S. Forces:** [82nd Airborne](#) | [3rd Infantry \(Mechanized\)](#)
- At the Front:** [Pilot: 'As terrifying as I thought'](#) | [Video](#)

MORE NEWS

- CNNMoney:** [Markets look to weaker open](#)
- U.S. troops probe Iraqi site for WMD** | [Video](#)
- [British backtrack over general capture](#)
- [Powell cautions Syria, Iran](#)

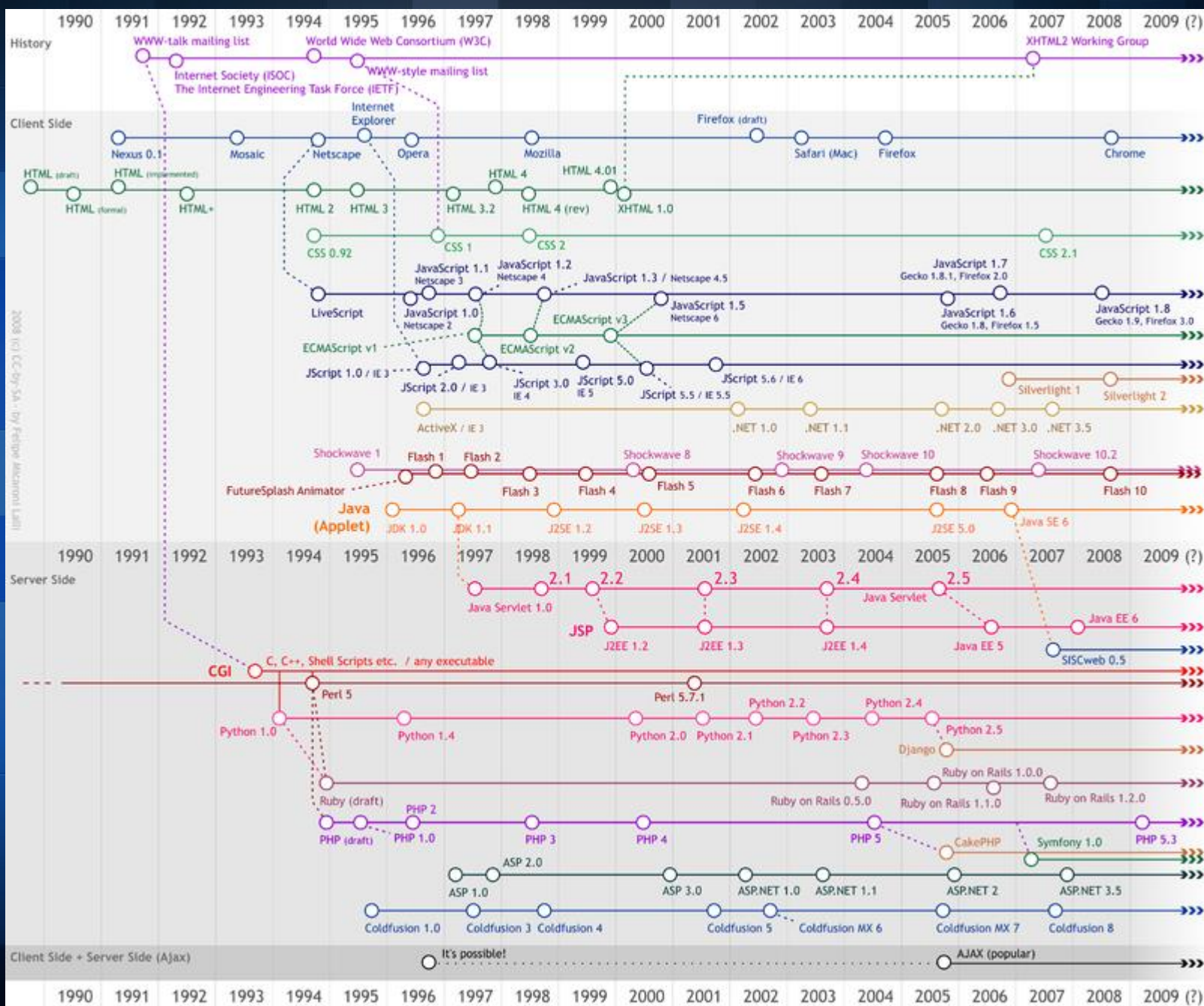


U.S. bomb disposal experts destroyed more than 3,000 pounds of Iraqi ammo in Umm Qasr



Tools Web Programming ?

Era HTML → Web 1.0



2008 (c) CC-by-SA - by Felipe Maciel (Lull)

1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 (?)

Discuss?

- Bagaimana Awal kemunculan Web?
- Jelaskan Pengertian Web 1.0?
- Jelaskan perbedaan signifikan antara Web 1.0 dan Web 2.0?
- Sebutkan dan Jelaskan berbagai tipe aplikasi Web yang populer saat ini? (berikan contoh websitenya)



Link & Book Reference

- <http://www.w3schools.com/>
- Deitel, P.J. and Deitel, H. M., 2008, Internet & World Wide Web How to Program, Pearson Prentice Hall. USA.
- Wikipedia: Web 1.0
- Berbagai sumber "Internet Access" di Google

