Teknologi Web

[MI2413]

Management Informatika | Fakultas Ilmu Terapan | 2016

WIU | TFN | SKS | MBS

Generasi Web 1.0

Kajian #1

Minggu	ert Ke	Jenis	Kajian	Kompetensi Dasa	Pokok Bahasan	ub Pokok Bahasa	Materi Bahasan	Metode	Media	Pustak
1	1	Teori	*Sejarah Perkembangan Web*	Menunjukkan sejarah perkembangan internet	Sejarah perkembangan internet	Sejarah internet berdasarkan tahun	- 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	- 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	- 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					- 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									

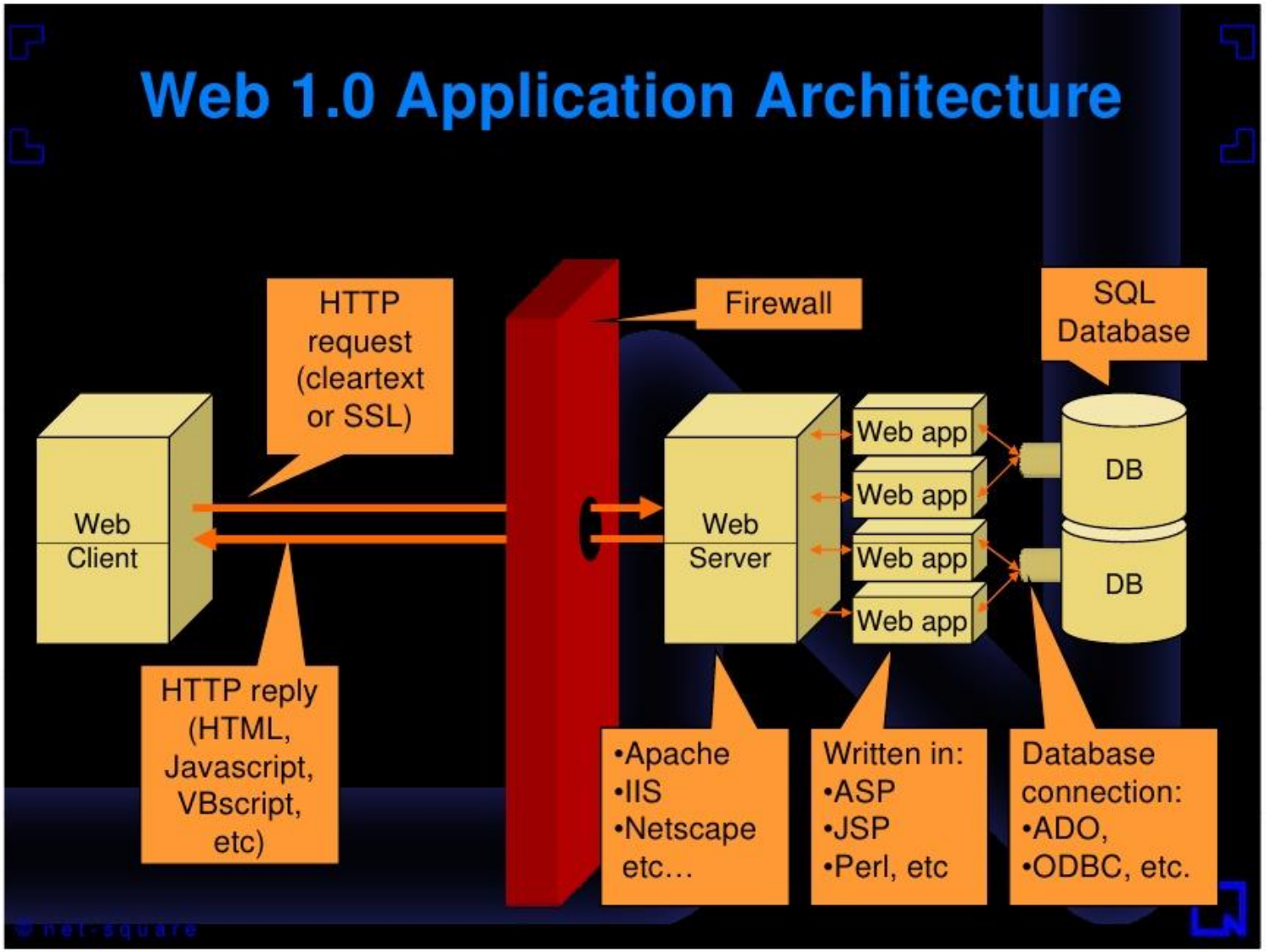
Tahukah Anda Apa itu?

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

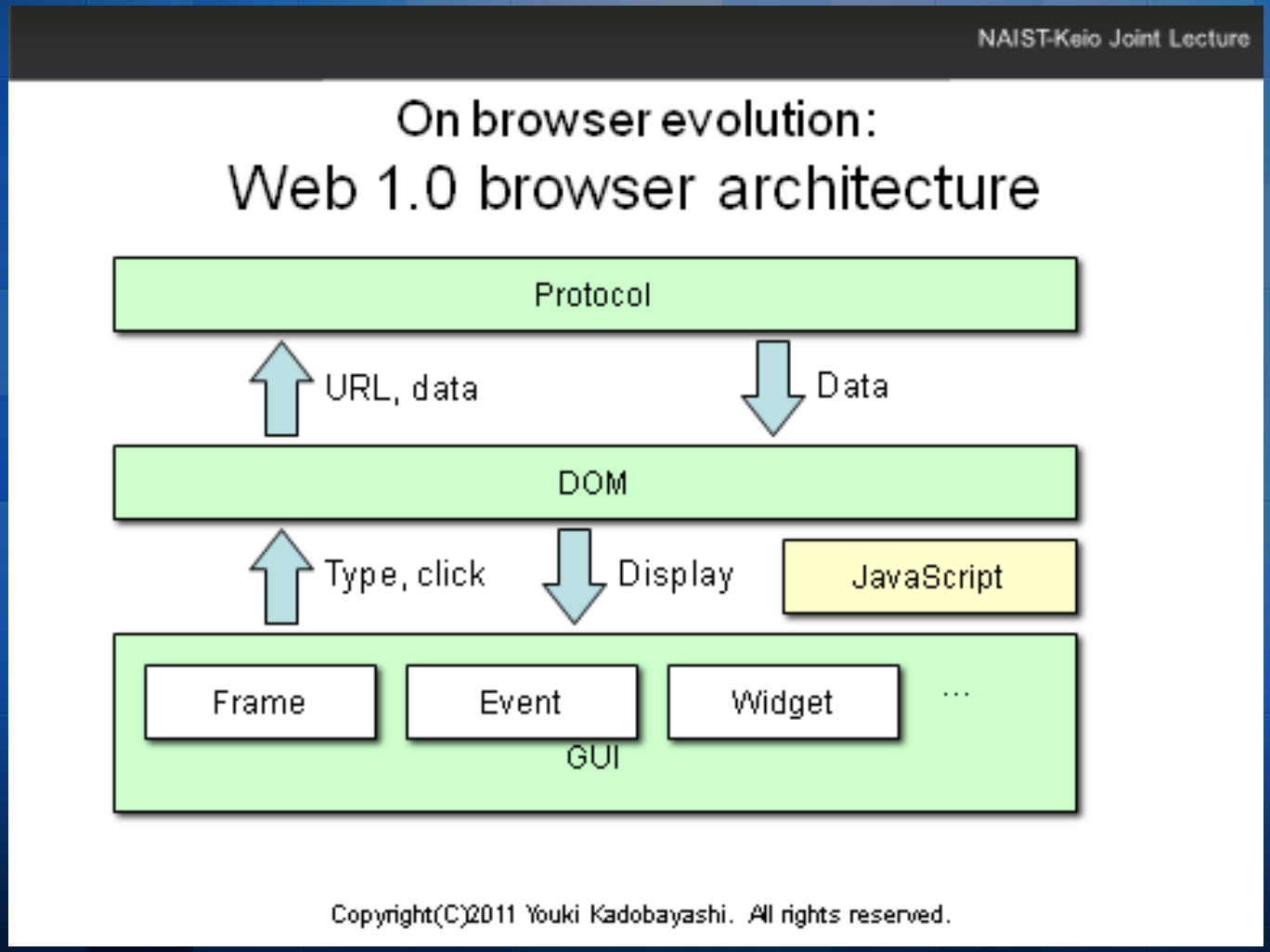
Type of Website

cari tahu tentang berbagai jenis web berikut!

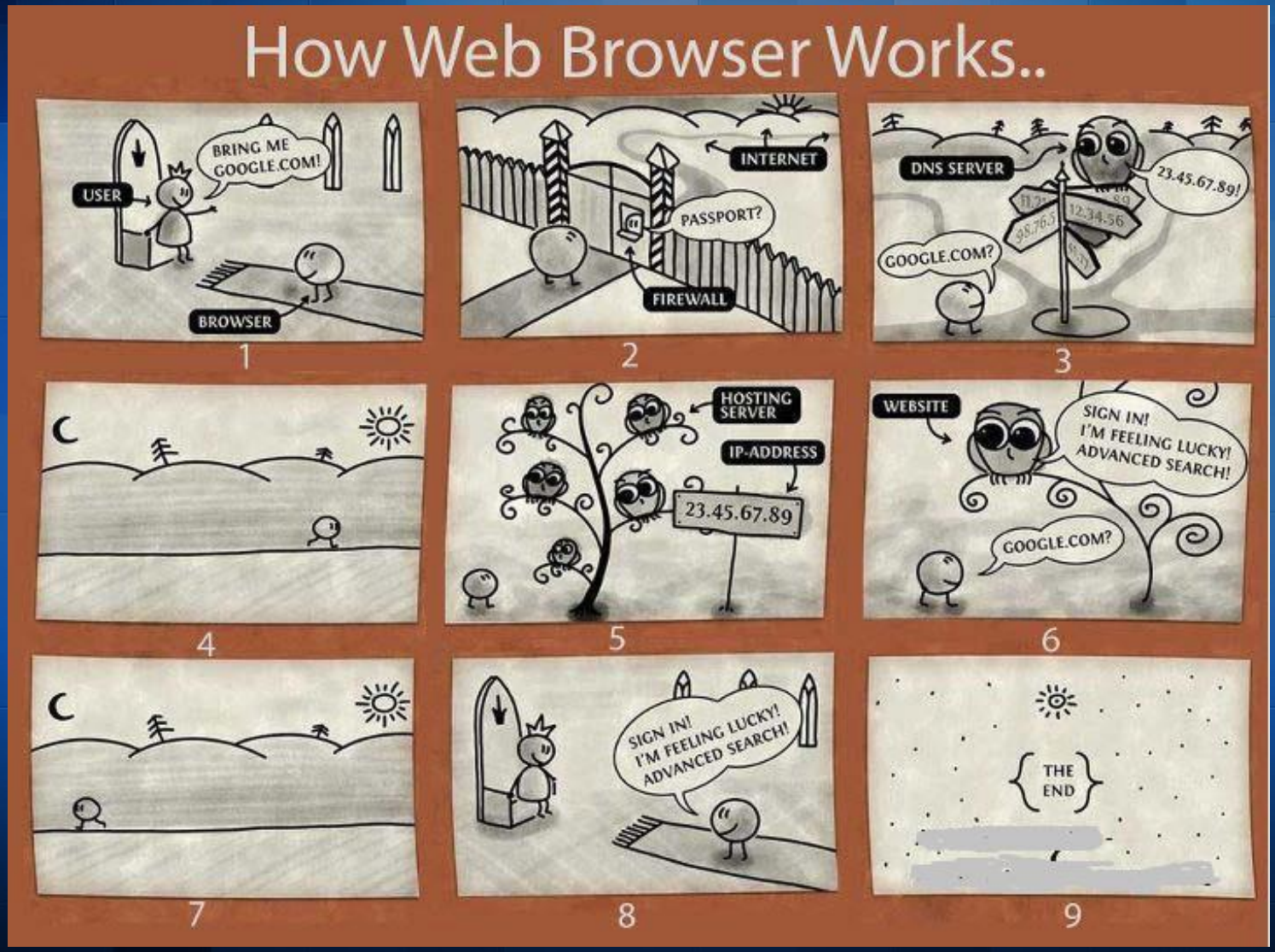
- Web Portal
- Search Engine
- Webmail
- Mirror Site
- Microblog
- Blog
- Social Media
- Web Forum
- Social Networking
- E-Commerce
- Media Sharing
- News Site
- Video Sharing
- Repository Site
- etc...


Web 1.0 Application Architecture
HTTP request (cleartext or SSL)
Firewall
SQL Database
Web Client
Web Server
Web app
Web app
Web app
Web app
DB
DB
HTTP reply (HTML, Javascript, VBscript, etc)
•Apache
•IIS
•Netscape
etc…
Written in:
•ASP
•JSP
•Perl, etc
Database connection:
•ADO,
•ODBC, etc.

Web 1.0 Application Level



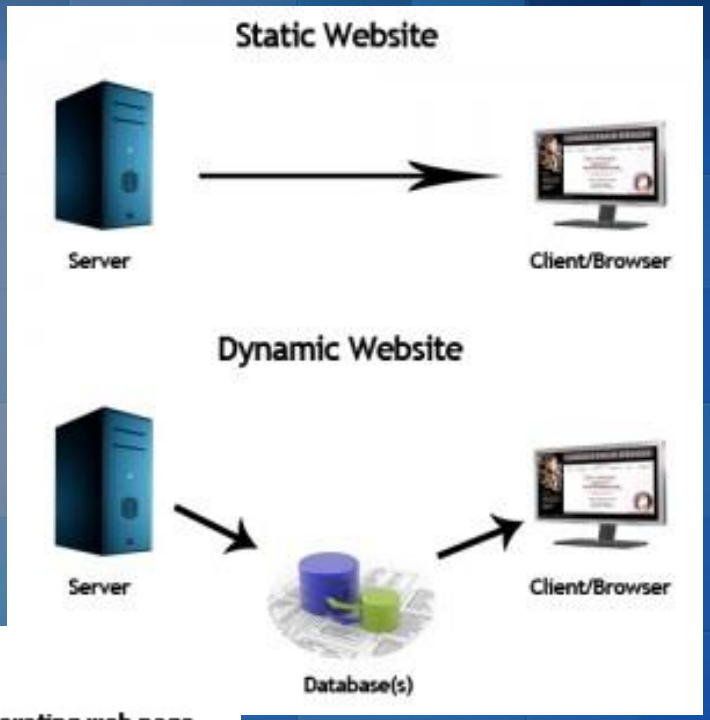
Overview

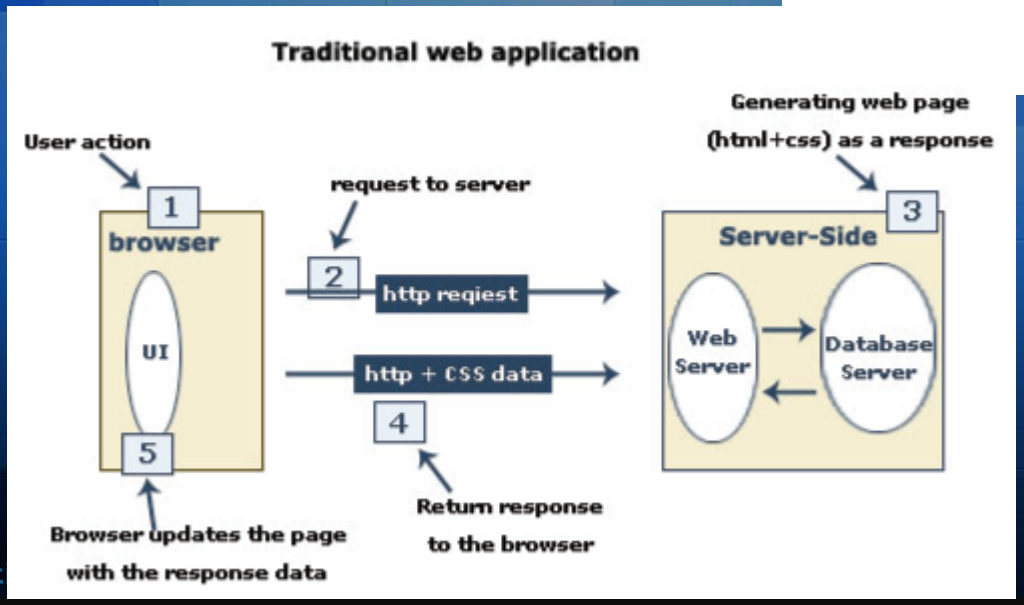

How Web Browser Works..
USER
BRING ME GOOGLE.COM!
BROWSER
1
INTERNET
PASSPORT?
FIREWALL
2
DNS SERVER
23.45.67.89!
GOOGLE.COM?
12.34.56
3
4
HOSTING SERVER
IP-ADDRESS
23.45.67.89
5
WEBSITE
SIGN IN!
I'M FEELING LUCKY!
ADVANCED SEARCH!
GOOGLE.COM?
6
7
SIGN IN!
I'M FEELING LUCKY!
ADVANCED SEARCH!
8
THE END
9

Bagaimana web 1.0 bekerja?

Web Static

- HTML
- CSS
- Javascript





Diskusi Kelas

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

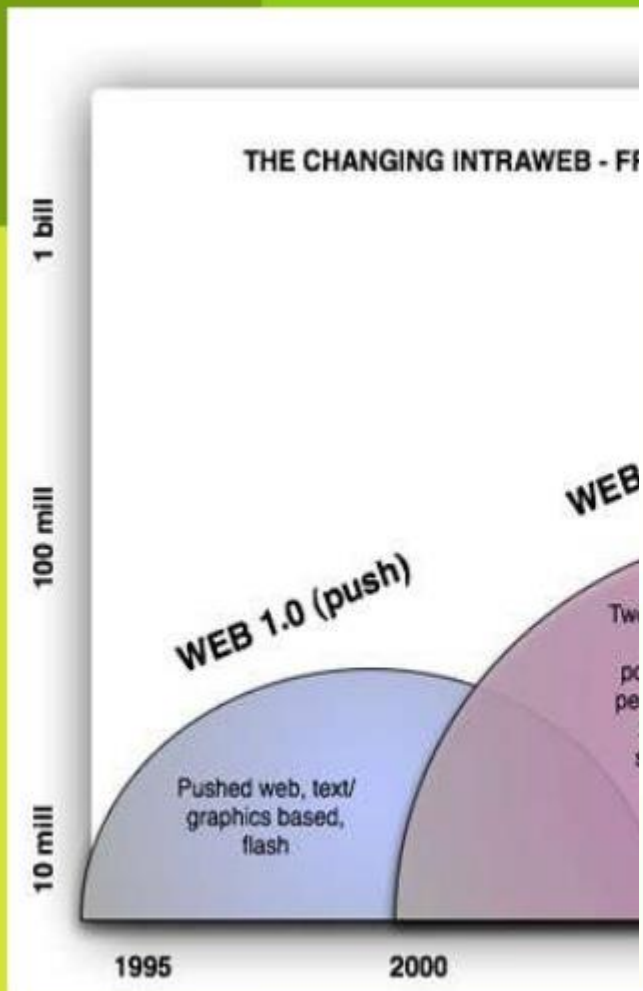
- Web News
- Web Jual Beli Online
- Web Forum Diskusi
- Web Mail

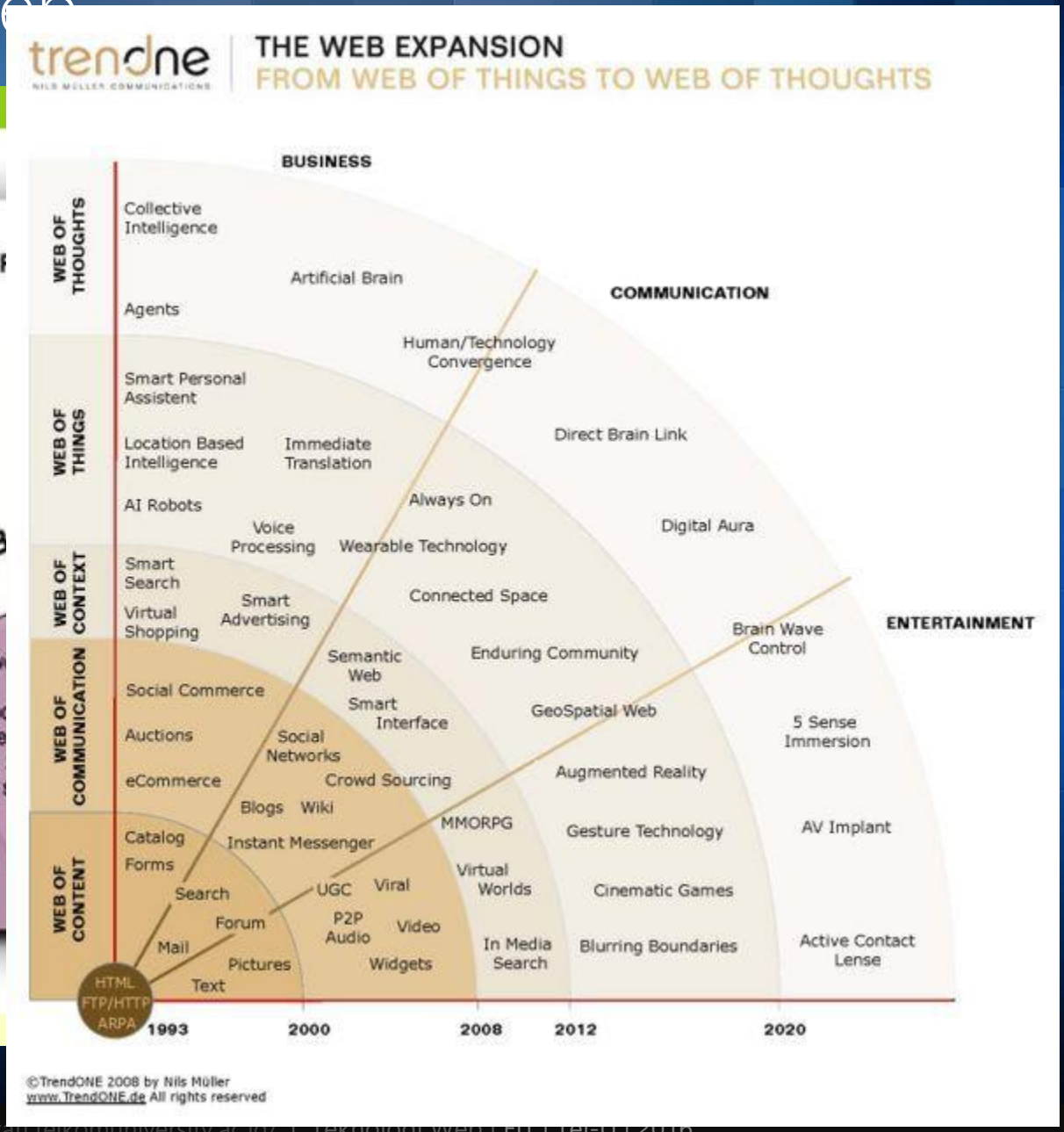
Karakteristik Web 1.0

Referensi Wikipedia

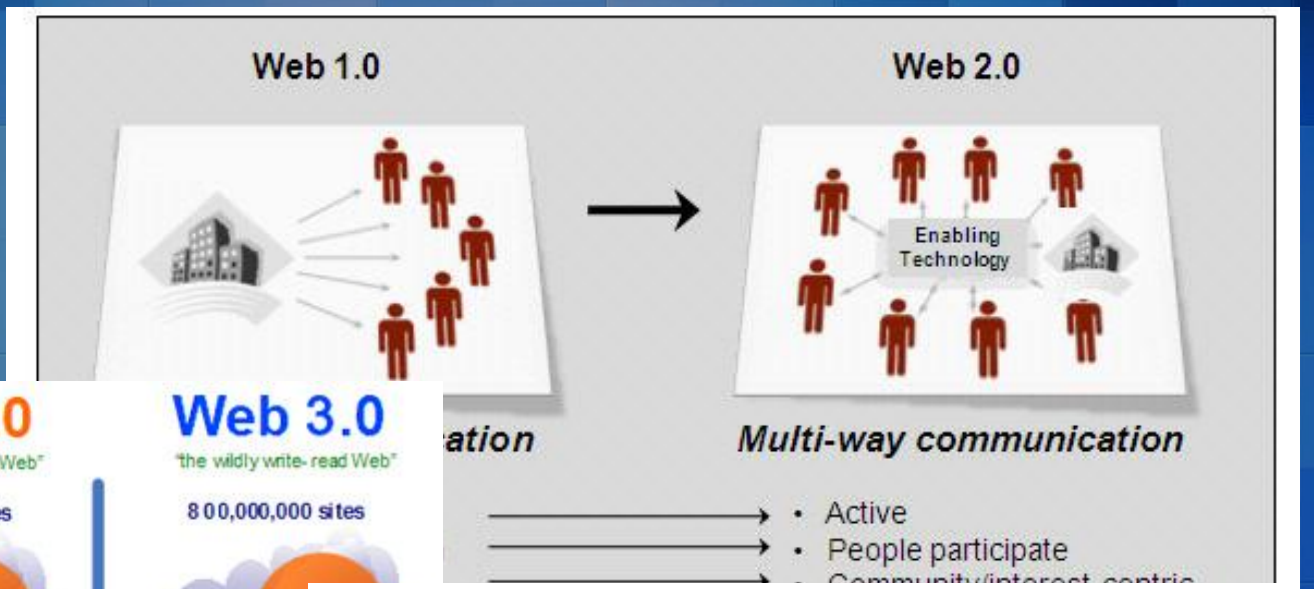
- Static pages instead of dynamic HTML.[14]
- Content served from the server's filesystem instead of a RDBMS.
- Pages built using Server Side Includes or CGI instead of a web application written in a dynamic programming language such as PHP or Ruby.
- The use of HTML 3.2-era elements such as frames and 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

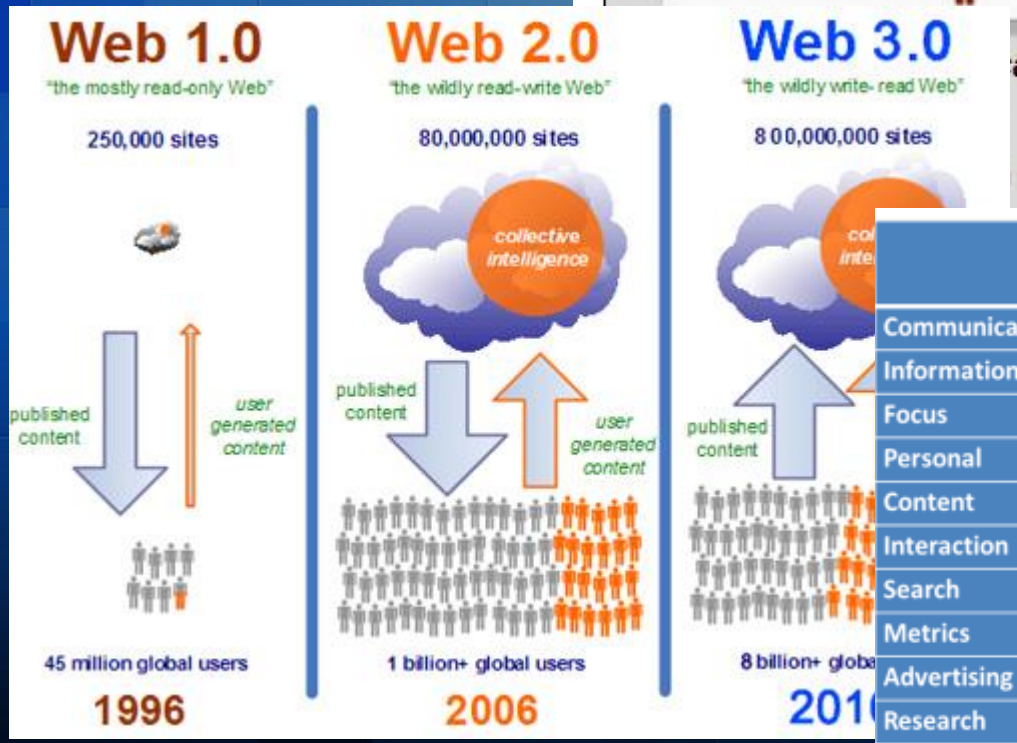
Perbandingan Web





Perbandingan cara kerja Web 1.0



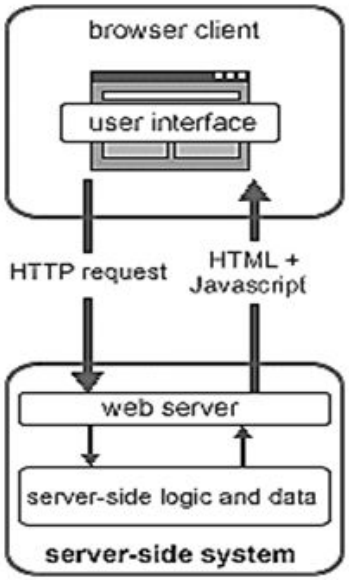


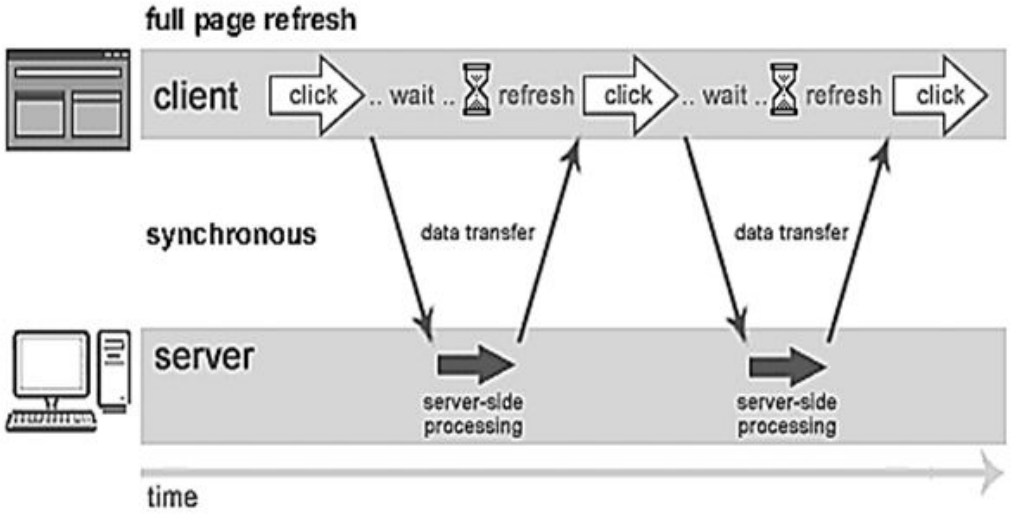
	Web 1.0	Web 2.0	Web 3.0
Communication	Broadcast	Interactive	Engaged / Invested
Information	Static / Read-only	Dynamic	Portable & Personal
Focus	Organization	Community	Individual
Personal	Home Pages	Blogs / Wikis	Lifestreams
Content	Ownership	Sharing	Curation
Interaction	Web Forms	Web Applications	Smart 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

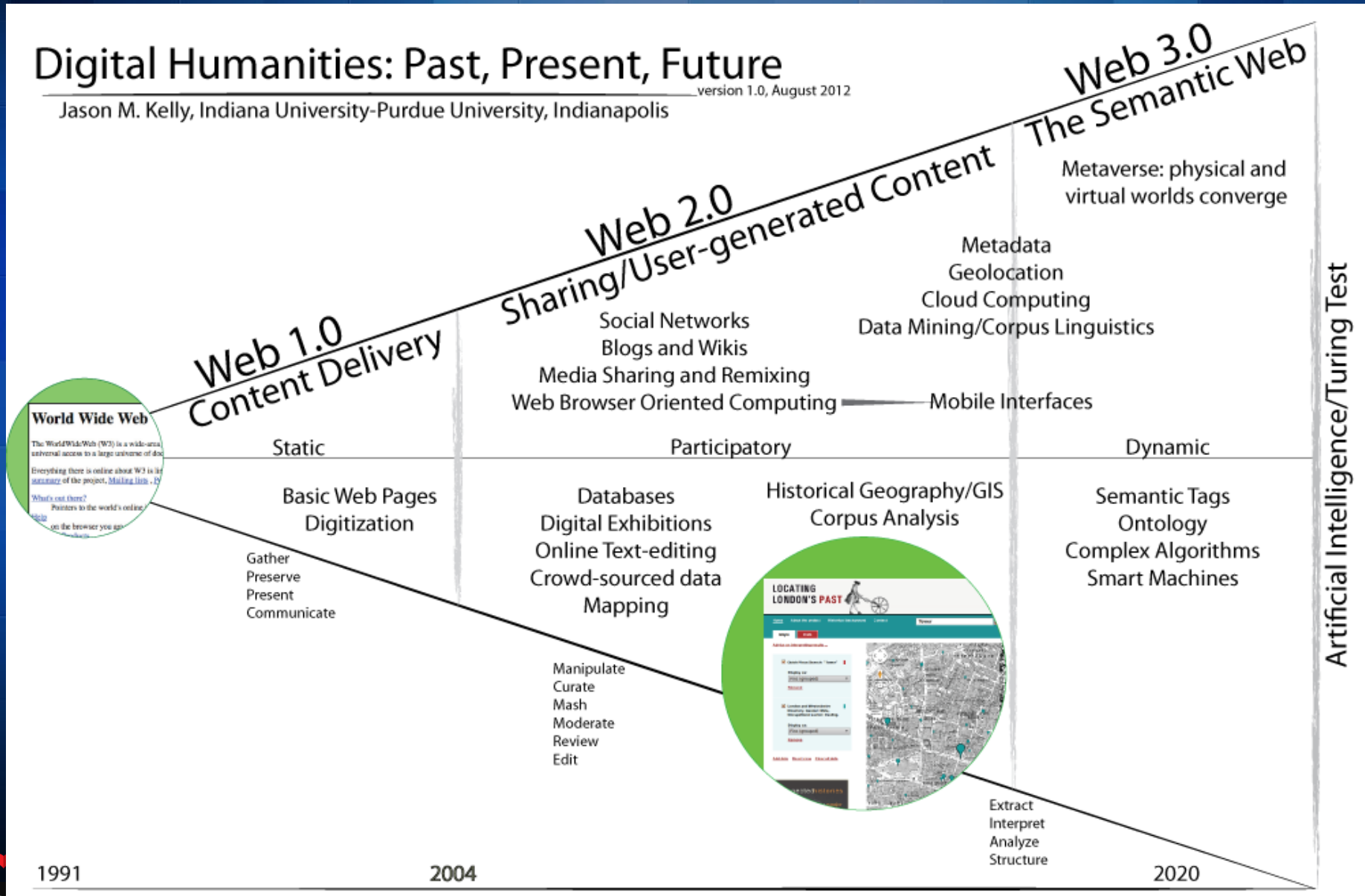
Pre-amble (1) Web 1.0

Basic web 1.0 architecture & communication





Perbandingan versi Web



Contoh Web 1.0 (era 2000an)

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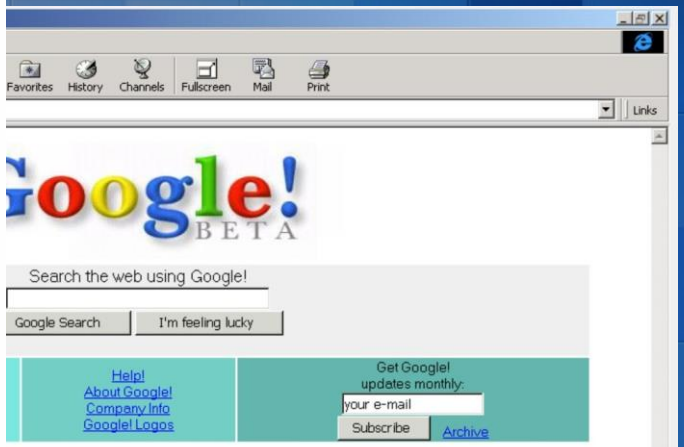
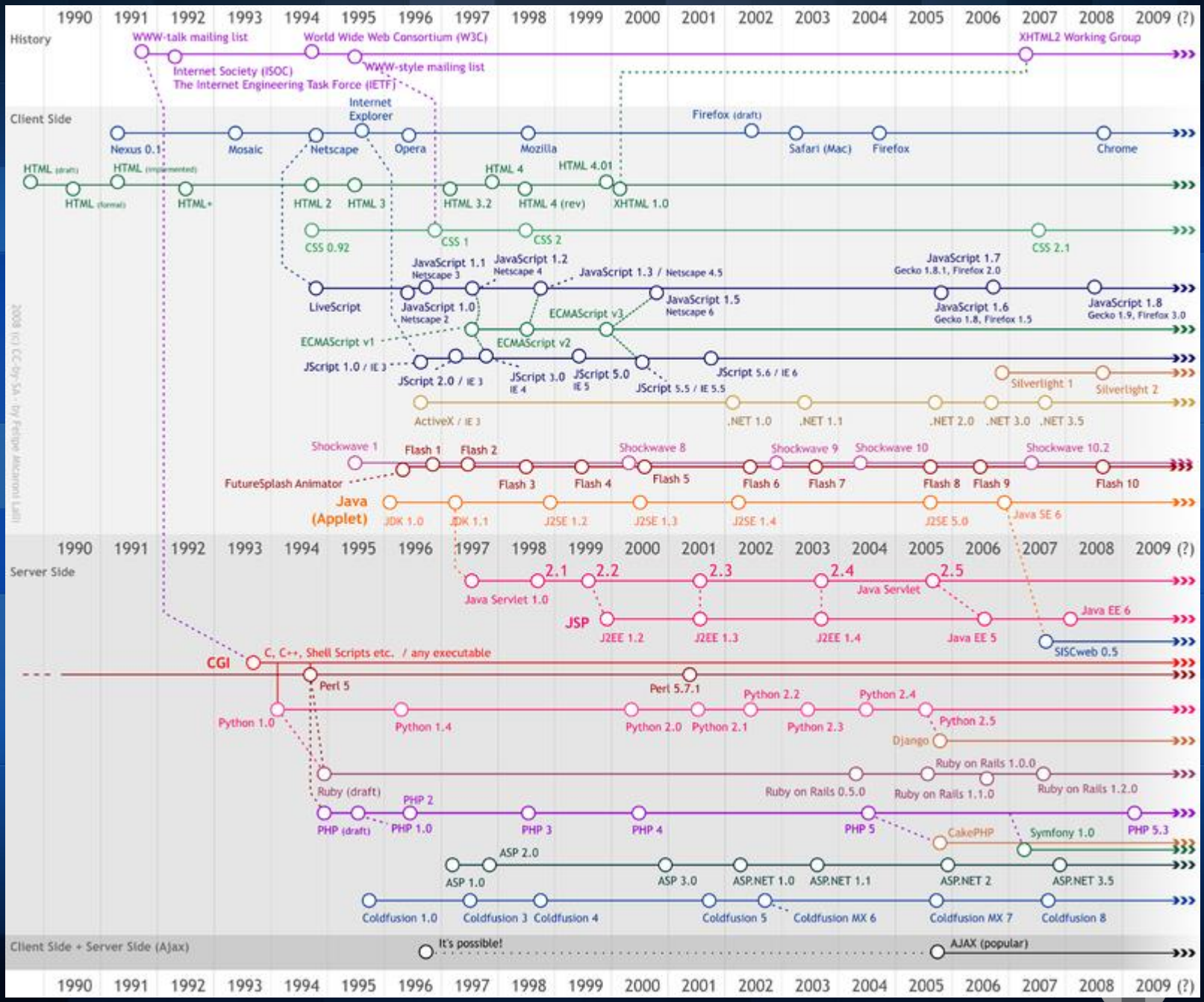


Tools Web Programming ?

Era HTML → Web 1.0



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 popular saat ini? (berikan contoh websitenya)

Link & Book Refference

- 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