WEBBEN

HT2015 | F02



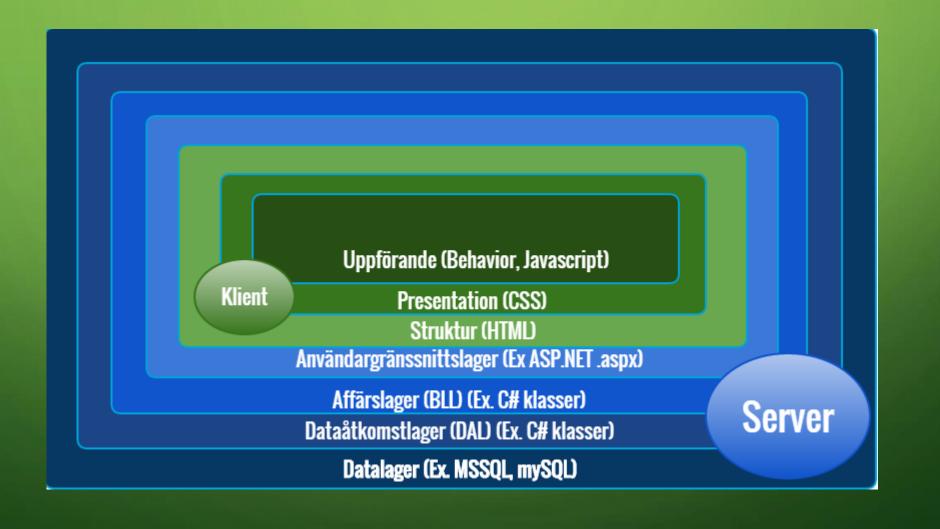
Haris Kljajic

DAGENS AGENDA

- Webbapplikationsstruktur
- Vad är klient?
- En resa i tiden
- Vad är Internet & webben?
- Klient- & serversideskript
- Datalagring
- Sätta upp GitHub och IDE



WEBBAPPLIKATIONSSTRUKTUR

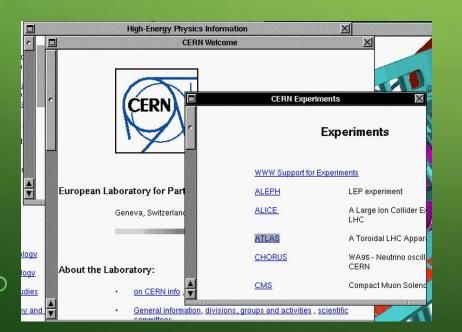


VILKET ÅR ÄR DETTA?



1990

- Tim Berners-Lee
- Skrev programmet "WorldWideWeb"
- Arbetade på CERN, physics laboratory







1993

http://info.cern.ch/hypertext/WWW/TheProject.html

World Wide Web

The WorldWideWeb (W3) is a wide-area hypermedia information retrieval initiative aiming to give universal access to a large universe of documents.

Everything there is online about W3 is linked directly or indirectly to this document, including an executive summary of the project, Mailing lists, Policy, November's W3 news, Frequently Asked Questions.

What's out there?

Pointers to the world's online information, subjects, W3 servers, etc.

Help

on the browser you are using

Software Products

A list of W3 project components and their current state. (e.g. Line Mode, X11 Viola, NeXTStep, Servers, Tools, Mail robot, Library)

Technic

Details of protocols, formats, program internals etc

Bibliography

Paper documentation on W3 and references.

People

A list of some people involved in the project.

History

A summary of the history of the project.

How can I help?

If you would like to support the web..

Getting code

Getting the code by anonymous FTP, etc.

VILKET ÅR ÄR DETTA?





1994

Min första hemsida

Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet.



Saker jag tycker om

- · labore et dolore
- · aliquyam erat
- Lorem ipsum
- · takimata sanctus

Vill du veta mer?

Lorem Labore

VILKET ÅR ÄR DETTA?







VILKET ÅR ÄR DETTA?





1999

Min första hemsida

Om oss

Information

Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor Länkar invidunt ut labore et dolore Kontakt magna aliquyam erat, sed diam voluptua. At vero eos et

accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet, voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet.

Saker jag tycker om

- · labore et dolore
- aliquyam erat
- Lorem ipsum
- takimata sanctus



2003 OCH FRAMÅT...

Min första hemsida

Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet.



Saker jag tycker om

- · labore et dolore
- · aliquyam erat
- Lorem ipsum
- · takimata sanctus

Vill du veta mer?

Lorem Labore

CSS ZEN GARDEN



A demonstration of what can be accomplished through CSS-based design. Select any style sheet from the list to load it into this page.

Download the example II HTML FILE and II CSS FILE

THE ROAD TO ENLIGHTENMENT

Littering a dark and dreary road lay the past relics of browser-specific tags, incompatible DOMs, broken CSS support, and abandoned browsers.

We must clear the mind of the past. Web enlightenment has been achieved thanks to the tireless efforts of folk like the W8C, WASP, and the major browser creators.

The CSS Zen Garden invites you to relax and meditate on the important lessons of the masters. Begin to see with clarity. Learn to use the time-honored techniques in new and invigorating fashion. Become one with the web.

SO WHAT IS THIS ABOUT?

A ROBOT NAMED JIMMY

meltmedia

VERDE MODERNA

Dave Shea

UNDER THE SEA!

Eric Stoltz

MAKE EM PROUD

Michael McAghon and Scotty Reifsnyder

ORCHID BEAUTY

Kevin Addison

KONTENTAN AV RESAN

- Informationsbärare
- Applikationsplattform







UTVECKLING I MOLNET

```
C9 - Cloud9
← → C ↑ ( c9.io/mattpardee/c9
                                                                                                                  Cloud9 IDE
File Edit View Windows Help 🙀 📙 🔘 debug
                                                        Preview
         Project Files
                                                              statusbar.js
 Fo.
                                     20 - module.exports = ext.register( ext/statuspar/statuspar , {
                ▶ iii refactor
Project Files
                                                      : "Status bar",
                                    21
                ▶ iii revisions
                                    22
                                                       : "Cloud9 IDE, Inc.",
                ▶ iirichtext
                                    23
                ▶ 🛅 run
                                    24
                                                       : ext.GENERAL,
                                    25
Open Files
                ▶ mrunpanel
                                    26
                ▶ iii sandbox
                                    27
                                                 id : "statusbar",
                                    28
                                                 data: skin,
                ▶ ■ searchinfiles
                                    29
                                                 "media-path" : ide.staticPrefix + "/style/images/",
                                                  "icon-path" : ide.staticPrefix + "/style/icons/"
                                    30
                ▶ isearchreplace
                                    31
                settings
                                    32
                                             expanded: false,
                ▶ iii splitview
                                    33
                                             nodes : □,
                ▼ Estatusbar
                                    34
                                             toolItems: [],
                                             prefsItems: [],
                   skin.xml
                                             horScrollAutoHide: "false",
                   statusbar.is
                                             edgeDistance : 3,
                   statusbar.xml
                                    38
                                             hook : function(){
                                                 var _self = this;
                    style.css
                                    39
                                                 ide.addEventListener("openfile", function() {
                ▶ m stripws
                                                     setTimeout(function() {
    ext.initExtension(_self);
                                    41 -
                ▶ iii tabbehaviors
                                     42
                ▶ atabsessions
                                                     }, 1000);
                                    43
                ▶ im template
                                    44
                                                 1);
                                    45
                ▶ iii testpanel
                                     46 -
                                                 ide.addEventListener("loadsettings", function(e){
                ▶ i testredbar
                                                     var strSettings = e.model.queryValue("auto/statusbar");
                                    47
                ▶ iii themes
                                                     if (strSettings == "true") {
```

HTML 5 FÖRTJÄNST

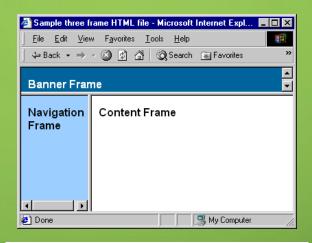


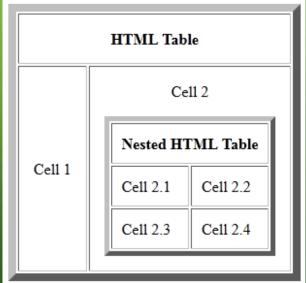


BIG NO-NO'S

Frames

Tabelluppbyggda sidor

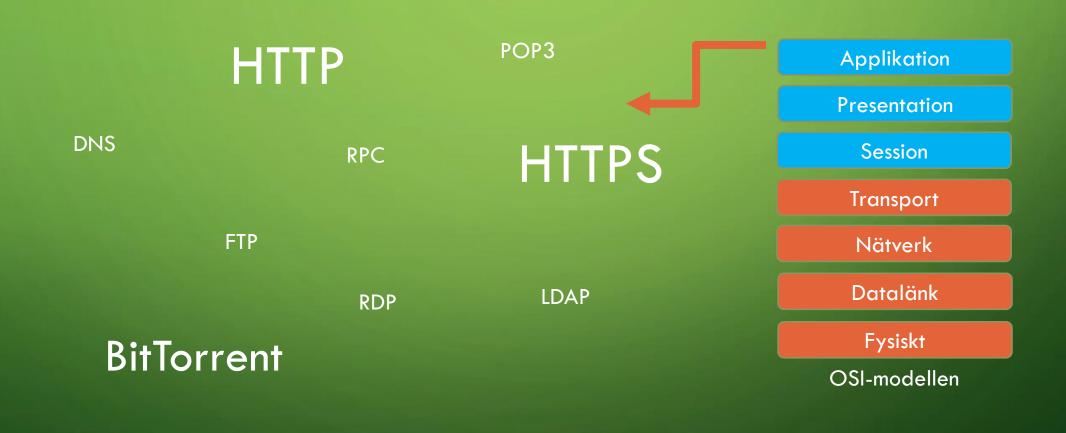




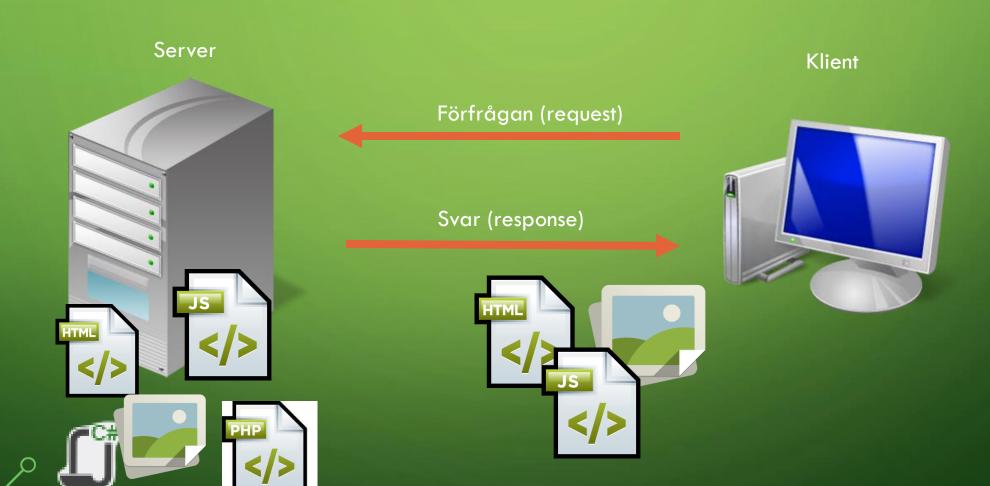
WEBBEN ÄR INTE INTERNET



WEBBEN ÄR EN APPLIKATION PÅ INTERNET



KLIENT- & SERVERSYSTEM



KLIENTSIDESKRIPT

- Beskriver för webbläsaren hur den ska uppföra sig
- Javascript
- En viktig del av HTML5
- Möjliggör webbapplikationer



SERVERSIDESKRIPT

- Programmering på webbservern
- Oberoende av klientens mjukvara
- Ex. PHP, ASP.NET, RoR, Python, Node.js
- Säkerhet







DATALAGRING

- Någonstans att spara vår data
- SQL är en standard för att hantera data lagrad i databaser
- NoSQL allt mer populärt



TIDSAXEL FÖR (X)HTML



HTML 4.01

- Hyper Text Markup Language
- Formatering bör läggas i style-sheets, CSS
- Flera aggar som styrde utseende flaggas som olämpliga.
- Ex. <center>

CSS

- Cascading Style Sheets
- Definierar hur HTML-element presenteras
- Sparas vanligtvis i separata filer
- Möjliggör att vi enkelt kan ändra sidans presentation
- CSS2.1 senaste stabila versionen
- CSS3 på gång



XHTML

- Extensible HTML
- Tanken var att ta HTML närmre XML (XML: Extensible Markup Language)
- Striktare regler
- Lättare att maskintolka



WORLD WIDE WEB CONSORTIUM

- HTML5 är under W3C's paraply
- Färdigställt under 2014
- Innehåller nya formulär, drag-n-drop, offline storage, video m.m.
- Tim Berners-Lee VD/Ordf



