

Willkommen zurück!

Willkommen zurück!

|



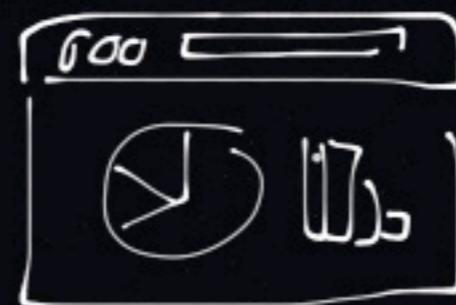
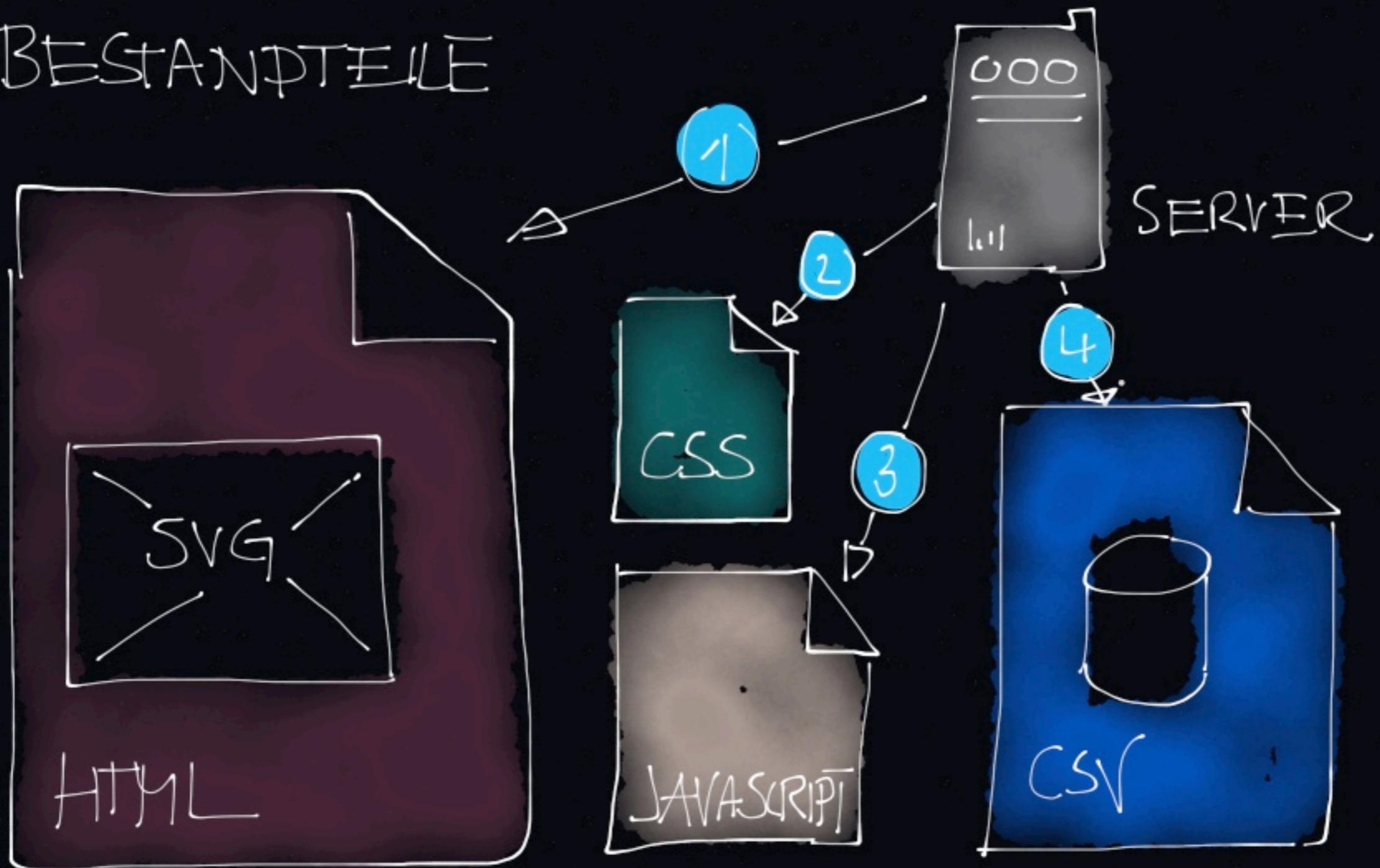
Geschichte und Entstehung des Internet

Tim Berners-Lee, CERN; Projekt 1989, Veröffentlichung 1992

Computer mit forschungsweiter Vernetzung

- eindeutige Adressen der Computer (IP 195.176.254.32)
- Informationen in einzelnen Dateien mit Querbezug (Hypertext)
 - Fokus Forschung, Berichte, Studien, Daten
 - URL unified resource locator
 - Kommunikationsprotokoll zum Abruf
 - HTTP *hypertext transfer protocol*
 - Formatierte Beschreibung des Inhalts
 - HTML *hypertext markup language*

BESTANDETEILE



```
1 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
2 <html xmlns="http://www.w3.org/1999/xhtml" xml:lang="de" lang="de">
3   <head>
4     <title>Startseite (NZZ Online, Neue Z&uuml;rcher Zeitung)</title>
5     <meta name="DC.title" content="Startseite (NZZ Online, Neue Z&uuml;rcher Zeitung)" />
6     <meta name="DC.subject" content="News, Newspaper" />
7     <meta name="Keywords" content="www.nzz.ch, NZZ, NZZ Online, NZZ Gruppe, Neue Z&uuml;rcher Zeitung, Neue Z&uuml;richer Zeitung,
8 Nachrichten, Analysen, Hintergr&uuml;nde, Politik, Wirtschaft, Kultur, Sport" />
9     <link rel="stylesheet" type="text/css" media="screen, projection, handheld, print" href="/css/nzz-15064.css" />
9     <!--[if IE 7]><link rel="stylesheet" type="text/css" media="screen, projection, handheld" href="/css/ie7-15064.css" /><![endif]-->
10    <!--[if IE 6]><link rel="stylesheet" type="text/css" media="screen, projection, handheld" href="/css/ie6-15064.css" /><![endif]-->
11    <link rel="stylesheet" type="text/css" media="print" href="/css/print-15064.css" />
12  </head>
13  <body class="homepage">
14    <!--googleoff: all-->
15    <div class="hide">
16      <h2>Direkte Links und Access Keys:</h2>
17      <ul>
18        <li><a href="#accessKeys" accesskey=".." id="accessKeys">Dieses Menu – Accesskey <kbd>. (Punkt)</a></li>
19        <li><a href="http://www.nzz.ch" accesskey="0">Homepage – Accesskey <kbd>1</k...</a></li>
20        <li><a href="#searchTerm" accesskey="1">Hauptnavigation – Accesskey <kbd>2</k...</a></li>
21        <li><a href="#topRow" accesskey="2">Inhalt – Accesskey <kbd>4</k...</a></li>
22        <li><a href="#footerLinks" accesskey="3">Zum Kontakt – Accesskey <kbd>3</k...</a></li>
23        <li><a href="#sitemap" accesskey="4">Zur Sitemap – Accesskey <kbd>3</k...</a></li>
24        <li><a href="#searchTerm" accesskey="5">Suche – Accesskey <kbd>5</k...</a></li>
25      </ul>
26    </div>
27    <div id="leaderBoard" class="zone">
28      <!--JavaScript Tag with group ID // Tag for network 1135: Swiss Adserver – NZZ-Network // Website: nzz.ch // Page:
29      . nachrichten/startseite/startseite // Placement: nzz.ch_nachrichten_nachrichten/startseite/startseite_top_994x118 (2945592) // created
30      . at: Nov 23, 2010 9:45:56 AM-->
31      <script language="javascript">
32        <!--
33        if (window.adgroupid == undefined) {
34          window.adgroupid = Math.round(Math.random() * 1000);
35        }
36        document.write('<scr'+ipt language="javascript1.1"
37          . src="http://adserver.adtech.de/addyn/3.0/1135/2945592/0/1217/ADTECH;loc=100;target=_blank;key=key1+key2+key3+key4;;cookie=info;;asfun
38          . c=1;grp='+window.adgroupid+';misc='+new Date().getTime()+'"><scri'+pt>');
39        //-->
40      </script>
41      <script type="text/javascript">
42        if (typeof(cu_2945592_getAdId)==function" && cu_2945592_getAdId()>0)
43        {
44          if (typeof(cu_2945592)==function")
45          {
46            cu_2945592();
47          }
48        }
49      </script>
50    </div>
51  </body>
52</html>
```

Technologische Grundlagen der Inhalte

HTML ergänzt Text durch eingestreute Formatierungen

- Tag zur Kennzeichnung von Formatierungsbeginn und Ende
 - <ueberschrift1>Das Internet</ueberschrift1>

Metainformationen zum Dokument <header>, <meta>, <title>

Spezifische (visuelle, grafische) Formatierung

- <ueberschrift1 farbe="blau">Das Internet</ueberschrift1>

Trennung zwischen Inhalt, Semantik und Gestalt

Einbindung von Medien (Bild, Ton, Video)

Einbindung von unspezifizierten Inhalten

- neue Medienformate (VR, Apps)



European Laboratory for Particle Physics

[Lab](#) - [News](#) - [Activities](#) - [Physics](#) - [Other Subjects](#) - [Index](#) - [Search](#) - [Shrink](#) - [Expand](#)



Welcome to the European Laboratory for [Particle Physics](#), located near [Geneva](#) in [Switzerland](#) and [France](#). CERN is the birthplace of the [World-Wide Web](#).

The [WWW support team](#) provides a set of [Services](#) to the physics experiments and the lab.

About the Laboratory

General:

[Help](#) and [General information](#), [Divisions, groups and activities](#) (structure), [Scientific Committees](#), [Scientific Information Service](#) (Library and Archives), [Visits Service](#), [Housing Service](#), [Microcosm exhibition](#), [CERN Courier](#), [Safety guide](#) for experiments, [Education Services](#), [Recruitment and Vacancies](#), [Clubs and Associations](#).

Databases:

[Directories](#) (phone & email, services & people), [Buildings](#), [Alice](#) (library and preprints catalogue), [Preprint Server](#), other directories.

Statische Websites HTML

HTML Datei ist menschenlesbare Textdatei

- kein Binärformat, deswegen editierbar

Aufbau einer HTML Datei

- Header
- Inhalt
 - Titel, Überschriften, Paragraphen, Abschnitte
 - Tabellen, Listen
 - Verweis auf eingebundene Medien (Bild, Ton, Video, Object)

Interaktive Verweise auf Teile des Dokuments oder andere URLs

Einbindung von Medien in Dateien

Minimale HTML Datei

The screenshot shows a web browser window with the title bar "index.html". The address bar displays a navigation path: "Flu > ZP > Ber > ma > Do > zh > Vor > 20 > 14 > WI > 02 > bas > index.html > Preview". The left sidebar shows a file tree under "WI_Code": "01_PDFs", "02_Beispielcode" (which contains "basis_html" with "index.css" and "index.html"), "03_Studierende", and "Hans_Tester". The main content area shows the HTML code for "index.html". The code is color-coded: blue for tags like <html>, <head>, <body>, <meta>, <link>, <title>, <h1>, and <p>; green for attributes like "charset=utf-8"; and red for the word "Beispielinhalt" which has a red underline. The code is:

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <link rel="stylesheet" href="index.css">
    <title>Hallo, Welt!</title>
  </head>
  <body>
    <h1>Hallo, Welt!</h1>
    <p>Eine Datei für das Modul Web Interface mit Beispielinhalt.</p>
  </body>
</html>
```

Beispiel HTML und Browserinhalt

Web Preview

file:///Users/magnus/Documents/zhd़k/Vorlesungen/Seminar%20Webproduktion%20L

Herzlich Willkommen auf unseren Internet-Seiten

CAS Art Direction geht in die dritte Runde

Die heutige Vorlesung im Rahmen des CAS befasst sich mit den Grundlagen der Web- und Online Produktion. Die Teilnehmer bekommen einen breiten Überblick über die Möglichkeiten des Internet.

Die Teilnehmer sind sehr aufmerksam und motiviert und bringen eigene Fragen aus ihrer Praxis mit ein.



Beispiel HTML und Browserinhalt

Web Preview

file:///Users/magnus/Documents/zhd़k/Vorlesungen/Seminar%20

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```
1 <!DOCTYPE html>
2
3 <html lang="de">
4 <head>
5   <meta http-equiv="Content-Type" content="text/html; charset=utf-8"/>
6   <meta http-equiv="Content-Language" content="de" />
7
8   <title>Minimale HTML Seite</title>
9 </head>
10
11 <body id="allgemein">
12   <header>Herzlich Willkommen auf unseren Internet-Seiten</header>
13
14   <article id="a1">
15     <h1>CAS Art Direction geht in die dritte Runde</h1>
16
17     <p>Die heutige Vorlesung im Rahmen des CAS befasst sich mit den Grundlagen der Web- und Online Produktion. Die Teilnehmer bekommen einen breiten Überblick über die Möglichkeiten des Internets.</p>
18
19     <p>Die Teilnehmer sind sehr aufmerksam und motiviert und bringen eigene Fragen aus ihrer Praxis mit ein.</p>
20
21     
22
23   </article>
24
25
26
27   <footer>Der CAS wird angeboten von der
28     <a href="http://www.hslu.ch">Hochschule Luzern</a>
29     unter Leitung von Simon Santschi</footer>
30
31 </body>
32 </html>
```

C.S.S. ZEN GARDEN

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

[DOWNLOAD THE SAMPLE HTML FILE AND CSS FILE](#)



THE ROAD TO ENLIGHTENMENT

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

Today, we must clear the mind of past practices. Web enlightenment has been achieved thanks to the tireless efforts of folk like the W3C, 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 (yet to be) time-honored techniques in new and invigorating fashion. Become one with the web.



SO WHAT IS THIS ABOUT?

There is clearly a need for CSS to be taken seriously by graphic artists. The Zen Garden aims to excite, inspire, and encourage participation. To begin, view some of the existing designs in the list. Clicking on any one will load the style sheet into this very page. The code remains the same, the only thing that has changed is the external .css file. Yes, really.

CSS allows complete and total control over the style of a hypertext document. The only way this can be illustrated in a way that gets people excited is by demonstrating what it can truly be, once the reins are placed in the hands of those able

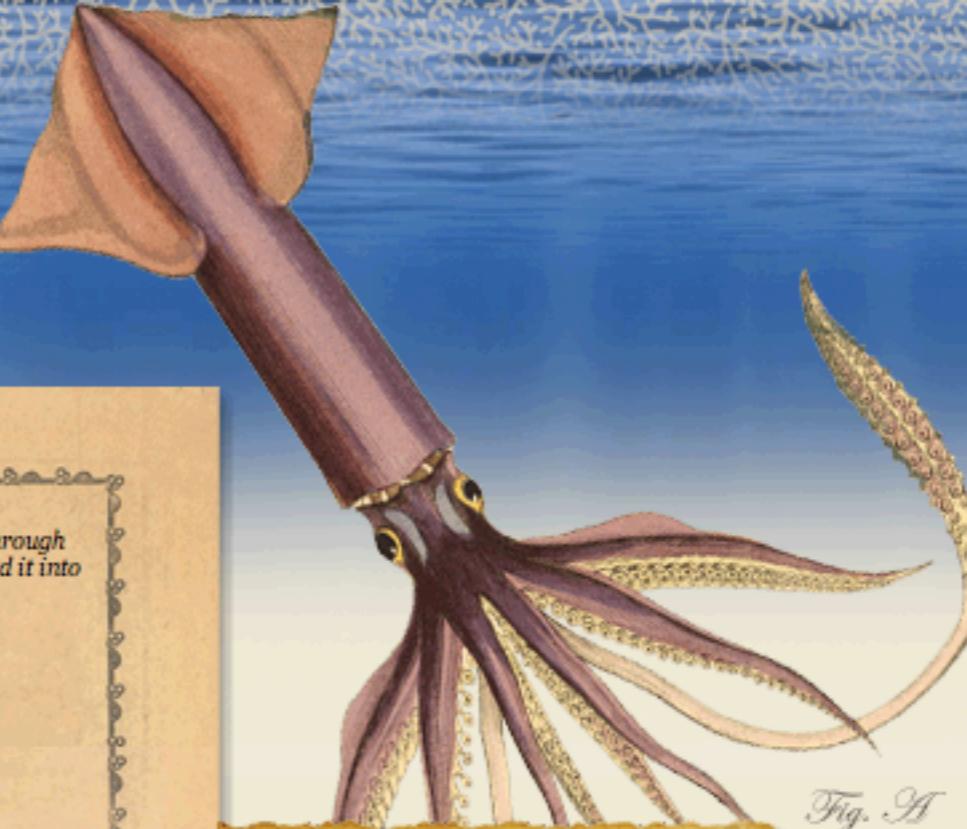


Fig. A



SELECT A DESIGN

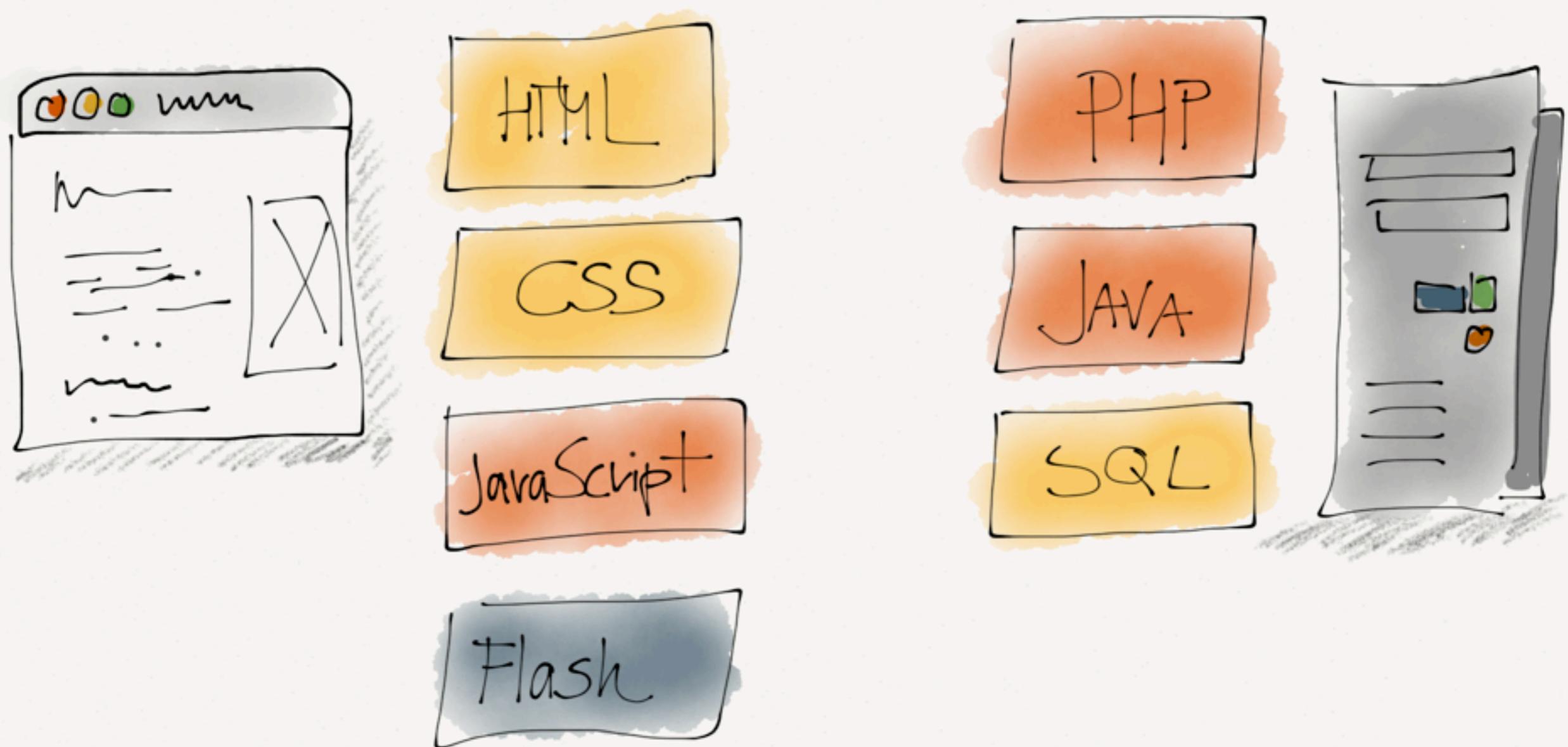
- [Under the Seal](#)
by Eric Stoltz
- [Make 'em Proud](#)
by Michael McAghan and Scotty Reifsnyder
- [Orchid Beauty](#)
by Kevin Addison
- [Oceanscape](#)
by Justin Gray
- [CSS Co., Ltd.](#)
by Benjamin Klemm
- [Sakura](#)
by Tatsuya Uchida
- [Kyoto Forest](#)
by John Politowski
- [A Walk in the Garden](#)
by Simon Van Hauwermeiren



Fig. B

ARCHIVES

TECHNOLOGIEN



XML Grundlagen

XML – Wikipedia, the free encyclopedia

w en.wikipedia.org/wiki/XML

Heading elements – HTML | MDN wikipedia xml – Yahoo Search Results XML – Wikipedia, the free encyclopedia

Create account Log in

Article Talk Read Edit View history Search

XML

From Wikipedia, the free encyclopedia

Extensible Markup Language (XML) is a markup language that defines a set of rules for encoding documents in a [format](#) that is both [human-readable](#) and [machine-readable](#). It is defined in the XML 1.0 Specification^[3] produced by the [W3C](#), and several other related specifications,^[4] all free [open standards](#).^[5]

The design goals of XML emphasize simplicity, generality, and usability over the [Internet](#).^[6] It is a textual data format with strong support via [Unicode](#) for the languages of the world. Although the design of XML focuses on documents, it is widely used for the representation of arbitrary [data structures](#),^[7] for example in [web services](#).

Many [application programming interfaces](#) (APIs) have been developed to aid software developers with processing XML data, and several [schema systems](#) exist to aid in the definition of XML-based languages.

Contents [hide]

- 1 Applications of XML
- 2 Key terminology
- 3 Characters and escaping
 - 3.1 Valid characters
 - 3.2 Encoding detection

XML

```
<?xml version="1.0"?>
<quiz>
  <qanda seq="1">
    <question>
      Who was the forty-second president of the U.S.A.?
    </question>
    <answer>
      William Jefferson Clinton
    </answer>
  </qanda>
  <!-- Note: We need to add more questions later.-->
</quiz>
```

XML

Filename	.xml
extension	
Internet media type	application/xml ^[1]
media type	text/xml ^[2]
Uniform Type	public.xml

XML Grundlagen

Extensible Markup Language

- Auszeichnungssprache, keine Programmiersprache
 - die Sprache alleine kann nur markieren, nicht ausführen
- Tags als Grundelement: <element>
- hierarchisch strukturiert, Tags umschließen Inhalt
 - <element>INHALT</element>
 - <element>INHALT<nochwas>XYZ</nochwas></element>
- Tag kann Attribute enthalten, Attribute haben Werte
 - <element typ="atom" kuerzel="Xe">Xenon</element>

HTML ist Spezialform von XML (wie RSS, SOAP, Atom auch)

HTML DOKUMENT

```
<head>  
  <Link> •  
  <Script> •  
</head>
```

```
<body>  
  <img> •  
  <img> •  
  <div>  
</body>
```

.css

.coffee

.JPG

.Png

.gif

Block- / Inline-Elemente

Layoutfluss entspricht
der Metapher „Papier“

Block-Elemente

- nehmen immer ganze Breite ein
- neues Element unten anschliessend

Inline-Elemente

- sind nur so breit, wie ihr Inhalt
- neues Element rechts

Program Structure :: Eloquent JavaScript

eloquentjavascript.net/2nd_edition/1 Reader

SELFHT... wikipedia... HTML ... Progra... >> +

remember something, you grow a tentacle to hold on to it or you reattach one of your existing tentacles to it.



An example. To remember the amount of dollars that Luigi still owes you, you create a variable. And then when he pays back 35 dollars, you give this variable a new value.

```
var luigisDebt = 140;
luigisDebt = luigisDebt - 35;
console.log(luigisDebt);
// → 105
```

When you define a variable without giving it a value, the tentacle has nothing to grasp, so it ends in [thin air](#). If you ask for the value of an empty variable, you'll get the value [undefined](#).

KEYWORDS AND RESERVED WORDS

Words with a special meaning, such as `var`, are *keywords*, and they may not be used as variable names. There are also a number of words that are “reserved for use” in future versions of JavaScript. These are also officially not allowed to be used as variable names, though some JavaScript environments do allow

Menü anzeigen

LAYOUT FLUSS IN HTML



Block



Inline

Anpassungsfähigkeit des Inhalts

The screenshot shows a web browser window with the URL en.wikipedia.org/wiki/HTML in the address bar. The main content area displays the Wikipedia article on HTML. The sidebar on the right contains the raw HTML source code for a sample page.

HTML (HyperText Markup Language)

```
<!DOCTYPE html>
<html>
<!-- created 2010-01-01 -->
<head>
<title>sample</title>
</head>
<body>
<p>Voluptatem accusantium  
totam rem aperiam.</p>
</body>
</html>
```

Anpassungsfähigkeit des

HTML – Wikipedia, the free encyclopedia

SELFHTML: Einführung wikipedia xml – Yahoo Search... HTML – Wikipedia

HTML
From Wikipedia, the free encyclopedia

For the use of HTML on Wikipedia, see Help:HTML in wikitext.

HTML or HyperText Markup Language is the main markup language for creating web pages and other information that can be displayed in a web browser.

HTML is written in the form of HTML elements consisting of tags enclosed in angle brackets (like <html>), within the web page content. HTML tags most commonly come in pairs like <h1> and </h1>, although some tags represent empty elements and so are unpaired, for example . The first tag in a pair is the start tag, and the second tag is the end tag (they are also called opening tags and closing tags). In between these tags web designers can add text, further tags, comments and other types of text-based content.

The purpose of a web browser is to read HTML documents and compose them into visible or audible

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HTML – Wikipedia, the free encyclopedia

SELFHT... wikipedia... HTML – ... data vis... Program... Create account Log in

Article Talk Read Edit Search

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HTML
(HyperText Markup Language)

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</head>
<body>
<p>Voluptatem accusantium totam rem aperiam.</p>
</body>
</html>
```

HTML

Filename extension	.html, .htm
Internet media type	text/html
Type code	TEXT
Developed by	W3C & WHATWG
Initial release	1993; 21 years ago
Latest release	5.0 / 4 February 2014; 48 days ago
Type of format	Document file format
Extended from	SGML
Extended to	XHTML
Standard(s)	ISO/IEC 15445 W3C HTML5
Open format?	Yes
Website	www.w3.org/html/

Herausforderungen von flexiblem Layout 01

A screenshot of a web browser window. The title bar reads "Values, Types, and Operators :: Eloquent JavaScript". The address bar shows the URL "eloquentjavascript.net/2nd_edition/preview/01_values.html". The main content area contains text about binary representation.

digits, we have only two, and the weight of each increases by a factor of two from right to left. Here are the bits that make up the number thirteen, with the weights of the digits shown below them:

0	0	0	0	1	1	0	1
128	64	32	16	8	4	2	1

So that's 00001101, or $8 + 4 + 1$, which equals 13.

VALUES

Imagine a sea of bits. An ocean of them. A typical modern computer has over thirty billion bits in its volatile data storage. Non-volatile storage (the hard disk or equivalent) tends to have yet a few orders of magnitude more.



Herausforderungen v

Values, Types, and Operators :: Eloquent JavaScript

eloquentjavascript.net/2nd_edition/prev Reader

different digits, we have only two, and the weight of each increases by a factor of two from right to left. Here are the bits that make up the number thirteen, with the weights of the digits shown below them:

0	0	0	0	1	1	0	1
128	64	32	16	8	4	2	1

So that's `00001101`, or $8 + 4 + 1$, which equals 13.

VALUES

Imagine a sea of bits. An ocean of them. A typical modern computer has over thirty billion bits in its volatile data storage. Non-volatile storage (the hard disk or equivalent) tends to have yet a few orders of magnitude more.



To be able to work with such quantities of bits without getting lost, you can separate them into chunks that represent pieces of information. In a JavaScript environment, those chunks are called *values*. Though all values are made of bits, they play different roles. Every value has a type



Herausforderungen von flexiblem Layout 03

NZZ.ch - Nachrichten & Meinungen - Aktuelle News & Hintergründe - Neue Zürcher Zeitung

NZZ.ch | Neue Zürcher Zeitung | NZZ am Sonntag | Follo | NZZ Campus | NZZ Format | Abo | Alle Angebote | Login | ★ Merkliste | Hilfe

Zürich ▾ 9°

Neue Zürcher Zeitung

- 25. März 2014, 02:39 -

Aktuell Meinung Blogs Wirtschaft Finanzen Wissenschaft Lebensart Video Dossiers | Marktplätze

Startseite International Schweiz Zürich Feuilleton Digital Sport Panorama Suchbegriff eingeben

WIE TOTE DIE LEBENDEN LEHREN
Forschung an Verstorbenen

BEILEGUNG DES ALGERIENKRIEGS
Die Schweiz als Schlichterin

DER PHILOSOPH MIT DER ROTEN NASE
Clown Larible der Star im Zirkus Knie

NEWS-TICKER: Uno – Knapp 100 Flüchtlinge im afrikanischen Albertsee ertrunken

Stärkung von Bankenaufsicht und Einlegerschutz empfohlen

IMF rät zu Ausbau der Finma

Die Schweizer Bankenaufsicht braucht mehr Personal. Der Einlegerschutz ist auszubauen. Die Kursuntergrenze des Euro zum Franken soll weiterbestehen. Das empfiehlt der Internationale Währungsfonds. [Mehr](#)



Krim-Krise

MEINUNG & DEBATTE

Gastkommentare zur Gripen-Beschaffung
Neue Kampfflugzeuge für die Luftwaffe? [7](#)

LESERTREND

GELESEN EMPFOHLEN KOMMENTIERT

NZZ.ch - Nachrichten & Meinungen...tergründe – Neue Zürcher Zeitung www.nzz.ch Reader

NZZ.ch | Neue Zürcher Zeitung | NZZ am Sonntag | Folio | NZZ Campus | NZZ Fo

Neue Zürcher Zeitung

Zürich 8°

– 25. März 2014, 11:

Aktuell Meinung Blogs Wirtschaft Finanzen Wissenschaft Lebensart Videos

Startseite International Schweiz Zürich Feuilleton Digital Sport Panorama

TREND ZU WÄRMEREM WETTER
Raschere und tiefere Erwärmung der Meere KRÄHEN KÖNNEN PRODUZIEREN
Kuckucks-Küken als Nest

NEWS-TICKER: Nationalrat – Schibli rückt für Kaufmann nach

Russische Annexion der Krim ★

Foltervorwürfe gegen Krim-Milizen

Die Menschenrechtsorganisation Human Rights Watch hat schwere Foltervorwürfe gegen prorussische Milizen auf der Krim erhoben. [Mehr](#)



Die SBB ziehen Bilanz ★

Täglich eine Million

Geschäftsbericht der SNB

Herausforderungen

NZZ.ch – Nachrichten & Meinungen...tergründe – Neue Zürcher Zeitung www.nzz.ch

NZZ.ch | Neue Zürcher Zeitung | NZZ am Sonntag | Folio | NZZ Campus

Zürich 9°

Neue Zürcher Zeitung

– 25. März 2014

Aktuell Meinung Blogs Wirtschaft Finanzen Wissenschaft Lebensart Videos

Startseite International Schweiz Zürich Feuilleton Digital Sport Panorama

WIE TOTE DIE LEBENDEN LEHREN
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Krim-Krise

Menü anzeigen

Herausforderungen von flexiblem Layout 02

Zürcher Hochschule der Künste

www.zhdk.ch

Anmelden | Intranet | Kontakt | English

ZhdK /

Hochschule Departemente | Studium Forschung Weiterbildung | Personen Projekte Agenda Erfolge Z hdk



Zürcher Hochschule der Künste

Ausstellung



Japanische Plakatkünstler - Kirschblüten und Askese

wann bis So. 25. Mai 2014
wo Halle, Museum für Gestaltung

Verlesungsreihe



ZHdK Lectures on Global Culture
Die Veranstaltung ist...

wann Mo. 7. Apr. 2014, 18 Uhr
wo Pilates A, Theater der Künste

Aktuell

11.03.2014

ZUGABE - Das Interaktive iPad-Magazin der Philharmonia Zürich

Was wären die Mitglieder der Philharmonia Zürich geworden, wenn nicht Musiker? Wie interpretieren ein Hornist oder ein Fagottist Trunkenheit oder Gefahr mit ihren Instrumenten? Welche Do's und Don'ts gelten bei einem Opernbesuch?

Studieren an der ZHdK
Art Education

Menü anzeigen

Herausforderungen \



Zürcher Hochschule der Künste

Ausstellung

Japanische Plakat Kirschblüten und

wann bis So. 25. Mai
wo Halle, Museum

Studieren an der ZHdK
Art Education

Menü anzeigen



Zürcher Hochschule der Künste

ZHdK /

Hochschule Departemente | Studium Forschung Weiterbildung | Per

SABIAN

Ausstellung

Henry van de Velde - Interieurs Ausstellung

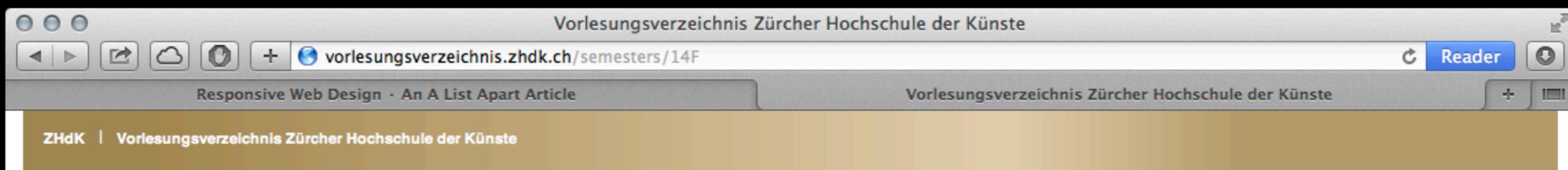
wann bis So. 1. Jun. 2014
wo Museum Bellerive

Konzert

Style & No. 2

wann

Herausforderungen von flexiblem Layout 04



The screenshot shows the 'Vorlesungsverzeichnis' page. On the left, there is a sidebar titled 'Auswahl aus Departementen' containing links for various study programs: 'Alle Studiengänge: Geöffnete Lehrveranstaltungen', 'Geöffnete Lehrveranstaltungen', 'Art Education', 'Bachelor Vermittlung von Kunst & Design', 'Master Art Education', 'Design', 'Bachelor Design', 'Master Design', 'Film', 'Bachelor Film', 'Master Film', and 'Medien & Kunst'. The main content area has a heading 'Vorlesungsverzeichnis ZHdK' and a welcome message: 'Willkommen im Vorlesungsverzeichnis der Zürcher Hochschule der Künste.' It also contains information about the search function, module descriptions, and contact details. At the bottom, there is a note: 'Hinweis: Änderungen und Abweichungen bleiben vorbehalten.'

The screenshot shows a web browser window displaying the 'Vorlesungsverzeichnis' (lecture catalog) of the Zürcher Hochschule der Künste (ZHdK). The URL in the address bar is vorlesungsverzeichnis.zhdk.ch/semesters/14F. The page title is 'Vorlesungsverzeichnis Zürcher Hochschule der Künste'. The main content area features a large heading 'Vorlesungsverzeichnis' and a sidebar with a navigation menu for selecting departments.

Vorlesungsverzeichnis Zürcher Hochschule der Künste

Auswahl aus Departementen

- Alle Studiengänge: Geöffnete Lehrveranstaltungen
 - Geöffnete Lehrveranstaltungen
- Art Education
 - Bachelor Vermittlung von Kunst & Design
 - Master Art Education
- Design
 - Bachelor Design
 - Master Design
- Film
 - Bachelor Film
 - Master Film
- Medien & Kunst

Vorlesungsverzeichnis Zürcher Hochschule der Künste

Willkommen im Vorlesungsverzeichnis der Zürcher Hochschule der Künste.

Hier finden Sie alle Module der Bachelor-, Master- und Weiterbildungs-Studiengänge.

Über die Suchfunktion "Suchen & Filtern" finden Sie Informationen zu einzelnen Modulen. Je mehr Kriterien Sie setzen, umso präziser ist Ihr Suchergebnis. In der freien Suche kann nach einem oder mehreren Stichworten gesucht werden, z.B. nach Themen, Dozierenden, etc.

Die gezeigte Liste wie auch die einzelnen Modulbeschreibungen können als PDF heruntergeladen werden.

Bei Fragen nehmen Sie bitte mit dem zuständigen Studiengangssekretariat Kontakt auf.

© 2010 Zürcher Hochschule der Künste | Letzte Aktualisierung: 07.03.2014 01:06

Menü anzeigen

The screenshot displays a responsive web design interface. On the left, a vertical navigation sidebar lists various study programs: Responsive Web Design, Art Education, Design, Film, Medien, and Bachelor of Arts in Kunst. The 'Responsive Web Design' section is currently active, indicated by a blue background. The main content area features a large title 'Vorlesungsverzeichnis' and a sub-section 'Vorlesungen'. A sidebar on the right lists 'Auswahl aus Departementen' with categories like 'Alle Studiengänge: Lehrveranstaltungen', 'Geöffnete Lehrveranstaltungen', 'Art Education', 'Design', 'Film', and 'Medien'. The central content area contains a welcome message, information about module descriptions, and a footer with copyright and update details.

Vorlesungsverzeichnis Zürcher Hochschule der Künste

Responsive Web Design · An A Li... Vorlesungsverzeichnis Zürcher...

ZHdK | Vorlesungsverzeichnis Zürcher Hochschule der Künste

Vorlesungsverzeichnis

« FS 2013 HS 2013 FS 2014

Auswahl aus Departementen

Alle Studiengänge: Lehrveranstaltungen

Geöffnete Lehrveranstaltungen

Art Education

Bachelor Vermittlung von Kunst & Design

Master Art Education

Design

Bachelor Design

Master Design

Film

Bachelor Film

Master Film

Medien & Kunst

ZHdK | Vorlesungsverzeichnis Zürcher Hochschule der Künste

Vorlesungsverzeichnis ZHdK

Willkommen im Vorlesungsverzeichnis der Zürcher Hochschule der Künste.

Hier finden Sie alle Module der Bachelor-, Master- und Weiterbildungs-Studiengänge.

Über die Suchfunktion "Suchen & Filtern" finden Sie Informationen zu einzelnen Modulen. Je mehr Kriterien Sie setzen, umso präziser ist Ihr Suchergebnis. In der freien Suche kann nach einem oder mehreren Stichworten gesucht werden, z.B. nach Themen, Dozierenden, etc.

Die gezeigte Liste wie auch die einzelnen Modulbeschreibungen können als PDF heruntergeladen werden.

© 2010 Zürcher Hochschule der Künste

Letzte Aktualisierung: 07.03.2014 01:06

Menü anzeigen

The image displays a collage of screenshots illustrating the responsive design of the ZHdK lecture catalog website (vorlesungsverzeichnis.zhdk.ch/seme). The website is designed to be accessible on multiple devices, including desktop computers, tablets, and mobile phones.

Desktop View: The main page features a large, bold title "Vorlesungsverzeichnis" at the top. Below it, there's a sidebar with navigation links for different study programs like "Art Education", "Design", "Film", and "Medien". The central content area shows a list of modules under "Auswahl aus Departementen".

Tablet View: This view shows a similar layout to the desktop version but with a more compact design. The sidebar and main content area are adapted to fit the screen width.

Mobile Phone View: The mobile version is highly compressed. It shows the title "Vorlesungsverzeichnis" and a brief welcome message. The sidebar and detailed module lists are no longer visible due to the limited screen space.

Reader View: A separate screenshot labeled "Reader" shows a simplified version of the content, likely for reading or printing. It includes a large "Reader" button in the header and a clean, minimalist layout of the text content.

Footer: The footer of the website includes copyright information ("© 2010 Zürcher Hochschule der Künste") and a link to "Menü anzeigen".

Herausforderungen von flexiblem Layout 05

The screenshot shows a web page titled "A Flexible Grid" from d.alistapart.com. The page features a header with navigation icons and a title. Below the header is a large, faint illustration of two men in 19th-century attire. To the left of the main content area is a sidebar with a logo for "The Baker Street INQUIRER" and links for "THE WEBLOGUE", "BACK ISSUES", and "ABOUT". The main content area contains a quote: "Give me problems, give me work." followed by a paragraph of text about a surgeon's career. At the bottom, there are three smaller images of men.

A Flexible Grid

d.alistapart.com/responsive-web-design/ex/ex-site-FINAL.html

Responsive Web Design · An A List Apart Article

A Flexible Grid

The Baker Street
INQUIRER

58

THE WEBLOGUE

BACK ISSUES

ABOUT

"Give me problems, give me *work*."

In the year 1878 I took my degree of Doctor of Medicine of the University of London, and proceeded to Netley to go through the course prescribed for surgeons in the army. Having completed my studies there, I was duly attached to the Fifth Northumberland Fusiliers as Assistant Surgeon. The regiment was stationed in India at the time, and before I could join it, the second Afghan war had broken out. On landing at Bombay, I learned that my corps had advanced through the passes, and was already deep in the enemy's country.

victors & villains

Herau

The screenshot shows a web browser window with a title bar reading "A Flexible Grid" and a URL "d.alistapart.com/responsive-web-design/ex/ex-site-FINAL.html". The main content area displays a website titled "The Baker Street INQUIRER". The site features a header with two men in 19th-century attire, a large masthead with the word "INQUIRER", and a sub-header "THE WEBLOGUE". Below the header is a section titled "BACK ISSUES". At the bottom of the page are links for "ABOUT" and "Menü anzeigen". The right side of the browser window contains a sidebar with the text "Give me problems, give me work." and a detailed narrative about a character's medical degree and service in India. The overall design uses a flexible grid system to adapt to different screen sizes.

A Flexible Grid

d.alistapart.com/responsive-web-design/ex/ex-site-FINAL.html

Reader

Responsive Web Design · An A List Apart Article

A Flexible Grid

The Baker Street
INQUIRER

THE WEBLOGUE

BACK
ISSUES

ABOUT

Menü anzeigen

"Give me problems, give me *work*."

In the year 1878 I took my degree of Doctor of Medicine of the University of London, and proceeded to Netley to go through the course prescribed for surgeons in the army. Having completed my studies there, I was duly attached to the Fifth Northumberland Fusiliers as Assistant Surgeon. The regiment was stationed in India at the time, and before I could join it, the second Afghan war had broken out. On landing at Bombay, I learned that my corps had advanced through the passes, and was already deep in the enemy's country.

victors & villains

Herau

A Flexible Grid

d.alistapart.com/responsive-web-design

Reader

Responsive Web Design · An A List...

A Flexible Grid

THE WEBLOGUE

BACK ISSUES

ABOUT OUR PAPER

The Baker Street
INQUIRER

"Give me problems, give me *work*."

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victors & villains

Menü anzeigen

Herau

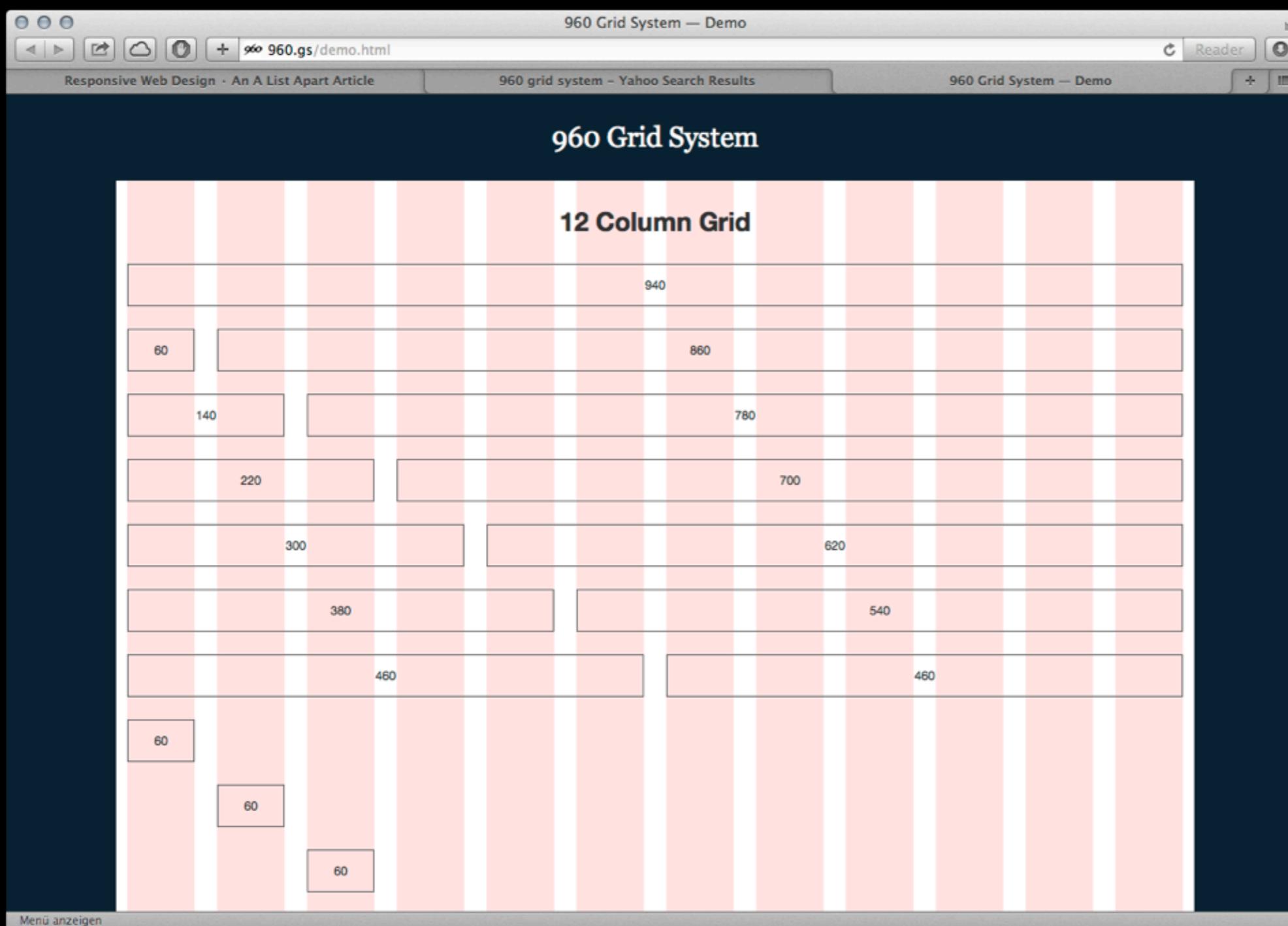
The Baker Street INQUIRER

“Give me problems, give me *work.*”

In the year 1878 I took my degree of Doctor of Medicine of the University of London, and proceeded to Netley to go through the course prescribed for surgeons in the army. Having completed my studies there, I was duly attached to the Fifth Northumberland Fusiliers as Assistant Surgeon. The regiment was stationed in India at the time, and before I could join it, the second Afghan war had broken out. On landing at Bombay, I learned that my corps had advanced through the passes, and was already deep in the enemy's country.

Menü anzeigen

Typische Websites (fixe Breite)



Typo

Responsive Web Design · An A List Apart Article

960 Grid System

Reader

960 grid system – Yahoo Search Results

960 Grid System

Essence

The 960 Grid System is an effort to streamline web development workflow by providing commonly used dimensions, based on a width of 960 pixels. There are two variants: 12 and 16 columns, which can be used separately or in tandem. [Read more](#).

Dimensions

The 12-column grid is divided into portions that are 60 pixels wide. The 16-column grid consists of 40 pixel increments. Each column has 10 pixels of margin on the left and right, which create 20 pixel wide gutters between columns. [View demo](#).

Purpose

The premise of the system is ideally suited to rapid prototyping, but it would work equally well when integrated into a production environment. There are printable sketch sheets, design layouts, and a CSS file that have identical measurements.

More Columns

For those more comfortable designing on a 24-column grid, an alternative version is also included. It consists of columns 30 pixels wide, with 10 pixel gutters, and a 5 pixel buffer on each side of the container. This keeps text from touching browser chrome — helpful for devices like the iPhone, where a lower-case "i" or "I" might be easily missed. [View demo](#).

Source Order

By utilizing the *push_XX* and *pull_XX* classes, elements can be rearranged, independent of the order in which they appear in the markup. This allows you to keep more pertinent info higher in the HTML, without sacrificing precision in your page layout. For instance, view the source code of this page to see how the *H1* tag has been re-positioned.

Sony Music – 16 col

SHOW GRID

SONY

SONY MUSIC

Home | Featured Artists | News & Events | Photo & Video | Business | Labels | International | Store | Contact | Customize

Foo Fighters

SONY MUSIC ENTERTAINMENT

Sony Music Entertainment is a global recorded music company with a roster that includes a broad array of both local artists and international superstars. The company boasts a vast catalog that comprises some of the most important recordings in history. It is home to premier record labels representing music from every genre. Sony Music Entertainment is a wholly owned subsidiary of Sony Corporation of America.

News

01/05/2011 Sony Music Entertainment To Develop Dynamic Artist Apps Using Innovative Mobile Roadie Platform

12/01/2010 Remix Bob Dylan's "Subterranean Homesick Blues" Online Using the Original 4-Track Vocal, Guitar, Bass and Drum Recordings

US Labels

COLUMBIA | Epic | JIVE

International

Get Started with Drupal

Drupal – 12 col

SHOW GRID

Drupal

Come for the software, stay for the community

Drupal is an open source content management platform used to power millions of websites and software applications. It's built, used, and supported by an active and diverse community of people from around the world.

Drupal Homepage Log in / Register

Why Choose Drupal?

Drupal can be used to build everything from personal blogs to sophisticated enterprise applications. It features thousands of add-on modules and design themes that enable you to build any kind of site you can imagine. Drupal is free software that is flexible, robust, and constantly being improved by a community of hundreds of thousands of passionate users. Come join us!

Sites Made with Drupal

The Economist

The Economist.com data migration to Drupal

Develop with Drupal

Drupal is extensible, powerful, scalable, and flexible.

Current activity:

- 6,988 modules
- 862 themes
- 3,740 active developers

This week:

- 31 new modules
- 1,355 code commits
- 5,410 issue comments

Get Drupal Security Announcements

Keep your site secure.

Internet auf mobilen Geräten

screen real estate ist sehr begrenzt

Websites

- werden in spezifischer Zoomstufe angezeigt
- können auf spezielle Größenverhältnisse eingehen
 - *viewport* (Größe des virtuellen Fenster)
 - *media queries* (handelt es sich um ein mobiles Gerät)
 - spezielles Layout für spezielles Gerät oder Gerätekasse

Internet auf mobile

screen real estate ist s

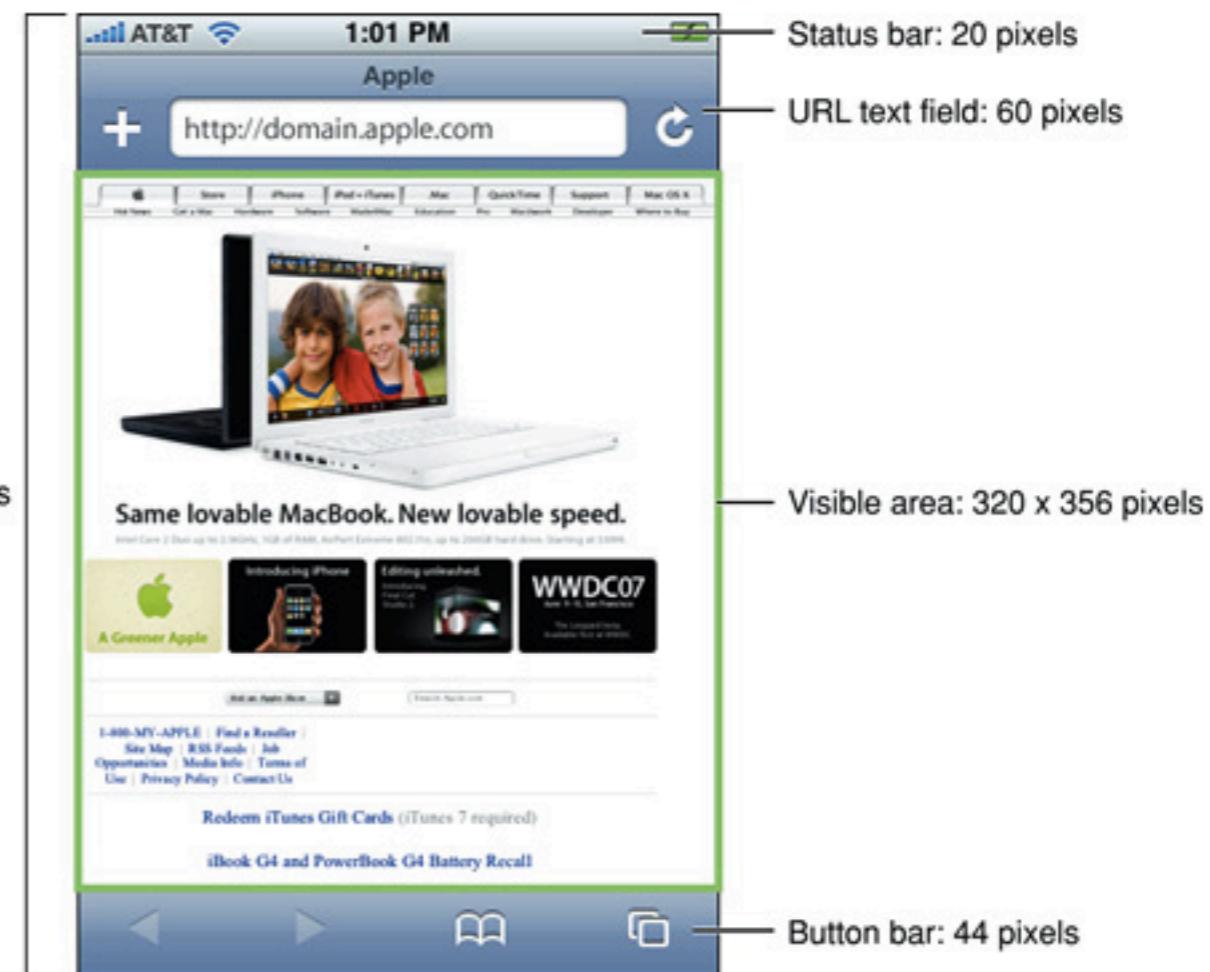
Websites

- werden in spezifisch
- können auf spezielle
- *viewport* (Grösse de
- *media queries* (hand
- spezielles Layout für

Layout and Metrics on iPhone and iPod touch

Because Safari on iOS adds controls above and below your web content, you don't have access to the entire screen real estate. In portrait orientation, the visible area for web content on iPhone and iPod touch is 320 x 356 pixels as shown in Figure 1-1. In landscape orientation, the visible area is 480 x 208 pixels.

Figure 3-1 Layout and metrics in portrait orientation



Note that if the URL text field is not in use, it is anchored above the webpage and moves with the webpage when the user pans. This adds 60 pixels to the height of the visible area. However, since the URL text field can appear at any time, you should not rely on this extra real estate when designing your webpage. Video playback uses the entire screen on small devices.

Read "[Laying Out Forms](#)" in "[Designing Forms](#)" for more metrics when the keyboard is displayed for user input.

Note: Although it is helpful to know the metrics on small devices like iPhone and iPod touch, you should avoid using these values in your code. Read "[Using the Viewport Meta Tag](#)" for how to use the viewport meta tag constants.

Viewport als virtuelles Fenster

Safari Web Content Guide: Configuring the Viewport

IAD Interaction Design | Zurich University of the Arts

IAD Interaction Design

Home Education Research Courses Projects People Videos

More News BA Aufnahmeverfahren 2013/14 MA «Field of Excellence Interaktion»

Study and research Interaction Design at Zurich University of the Arts

Learn more [about us](#) and [what we do](#): Explore our [research fields](#) and [Bachelor, Master and Doctorate programs](#).

Deutsch English

Share Printer-friendly version

Our Profile

Established in 2001 at Zurich University of the Arts, IAD is an educational and research environment in which we explore and create interactive experiences. We apply design thinking to real-world issues and develop novel interfaces, services and systems. Focused on opportunities emerging in our networked society, IAD's members work on concrete projects for business clients and users, as well as pursue academic research relevant for interaction design community.

Latest News

Fliegen wie die Vögel



Sonderausstellung des BirdLife-Naturzentrums Neeracherried

Spatial Interaction Design



Projekte zu den Themen Public, Mobile, Home und Automotive

A MAZE. / Berlin 2014



Game und Interaction Design der ZHdK veranstalten Workshop zum

Selected Projects

Aurora **ORBITON**



Responsive... **SID Cost**



Menü anzeigen

Viewport als virtuelles Fenster

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Selected Projects

Aurora **ORBITON**

Responsive... **SID Cost**

Reader

Search

Swisscom 11:53 VPN 30 %

IAD Interaction Design | Zurich University of the Arts

iad.zhdk.ch/ Suchen

IAD Interaction Design

Home Education Research Courses Projects People Videos

More News BA Aufnahmeverfahren 2013/14 MA «Field of Excellence Interaktion»

Deutsch English Share Printer-friendly version

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Responsive... **SID Cost**

Selected Projects

Aurora **ORBITON**

Responsive... **SID Cost**

Urban Defender **CUBE**

Follow or being... **Enactive...**

Our Study Programs

We offer three [study programs](#) on Bachelor, Master, and PhD level with [exciting courses](#) in the fields of embodied technology, design theory and practice.

Our Research Fields

Sonic Interaction
Sound Design for interactive products and commodities

Embodied Interaction
Design of responsive environments and situated experiences

Design Methods
Exploring design-oriented methods and approaches

From Foley to Function: A Pedagogical Approach to Sound Design for Novel Interactions
Journal Article, Journal of Sonic Studies, volume 6, Nr. 1 (January 2014)

Weltweite Meldungen

Menü anzeigen

6

Viewport als virtuelles Fenster

The image displays four screenshots of the IAD Interaction Design website, showing how the viewport meta tag is used to create a responsive layout across different devices.

- Desktop View:** Shows the full desktop version of the website with a header containing the Z hdk logo, navigation links (Login, RSS Feeds, Netzwerke, Kontakt), and a search bar. Below the header is a main content area with sections for "Study and research Interaction Design at Zurich University of the Arts" and "Our Profile".
- Tablet View:** Shows a tablet device displaying the website. The layout is similar to the desktop version but is adapted to fit the screen width. The "Study and research Interaction Design at Zurich University of the Arts" section is prominent.
- Smartphone View:** Shows a smartphone displaying the website. The layout is further adapted, showing only the main title "IAD Interaction Design" and the "Study and research Interaction Design at Zurich University of the Arts" section, while other content like "Our Profile" is hidden or collapsed.
- Mobile View:** Shows a mobile phone displaying the website. The layout is highly compressed, showing only the main title "IAD Interaction Design" and a small snippet of the "Study and research Interaction Design at Zurich University of the Arts" section.

Each screenshot includes a status bar at the top showing network signal, battery level (30%), and the time (e.g., 11:53, 11:54). The browser tabs consistently show "iad.zhdk.ch" and "IAD Interaction Design | Zurich University of the Arts".

The screenshot shows a web browser window with the title "SELFHTML: Navigationshilfen / Quickbar". The address bar displays "file:///Volumes/ZPlatte/Dokumentation/selfhtml812/navigation/quickbar/index.htm". Below the address bar, there are two dropdown menus: "[SELFHTML-Quickbar]" and "@media". The main content area features a toolbar with icons for CSS 2.0, Navigator 6.0, Internet Explorer 5.0, Opera 5.12, Firefox 1.0, Netscape 3.1, and Safari 1.0. A large heading "Format-Definitionen für unterschiedliche Ausgabemedien" is displayed. Below the heading, a text block explains the possibility of defining styles within a `<style>` block for different media types. A code snippet is shown:

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html>
<head>
<title>Beschr&uuml;nkung auf Medientypen</title>
<style type="text/css">
@media print {
    /* ... Formatdefinitionen zum Drucken ... */
    selektor { eigenschaft:wert; }
}
@media screen, handheld {
    /* ... Formatdefinitionen zur Bildschirmausgabe ... */
    selektor { eigenschaft:wert; }
}
</style>
</head>
<body>
<h1>Beschr&uuml;nkung auf Medientypen</h1>
</body>
</html>
```

Erläuterung:

Mit `@media` definieren Sie innerhalb eines `style`-Bereichs einen Bereich für Formatdefinitionen für ein bestimmtes Ausgabemedium. Für jede Mediensorte, die Sie unterscheiden wollen, können Sie eine solche Einschränkung notieren. Hinter der Regel `@media` folgt, durch Leerraum getrennt, das gewünschte Ausgabemedium. Sie können auch mehrere Ausgabemedien durch Kommata getrennt in Folge notieren. Erlaubte Angaben sind die gleichen wie im HTML-Attribut `media` (siehe [↑ Medientypen](#)).

Im Anschluss an die `@media`-Angabe müssen Sie **geschweifte Klammern** `{` und `}` notieren. Alle Formatdefinitionen, die Sie innerhalb dieser geschweiften Klammern notieren, sind dann nur für das oder die angegebenen Medien gültig.

Responsive Web Design



Referenzen:

- http://de.wikipedia.org/wiki/Responsive_Webdesign
- <http://alistapart.com/article/responsive-web-design>
- <http://alistapart.com/column/do-as-little-as-possible>



Aufgabe 01: Recherche

Websites & Struktur skizzieren (Stift & Papier)

Sucht euch 3 Websites heraus, wählt dort 2 verschiedene pages aus

- dokumentiert diese mit Bildschirmfotos (evtl. unterschiedliche Fenstergrößen)
- skizziert ihre Layoutstruktur
 - Welche Blöcke, welche Position im Fenster
 - Welche Inhalte, Navigation, Extras, etc.

Aufgabe 02: Responsive

Sucht euch 3 verschiedene Websites, die *responsive* sind

- dokumentiert diese mit Bildschirmfotos (versch. Geräte)
- beschreibt, welche Strategie gewählt wurde, den Inhalt darzustellen