



Mreže računala

Vježbe 10

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XHTML

- **HTML** == **H**yper**T**ext **M**arkup **L**anguage
 - služi za definiciju strukture i sadržaja dokumenata na internetu
 - aktualna verzija: 4.01
- **XHTML** == **X**ML **H**yper**T**ext **M**arkup **L**anguage
 - *"A reformulation of HTML in XML."*
 - W3C Recommendation @ <http://www.w3.org/TR/xhtml1/>

Važna napomena:

HTML/XHTML treba koristiti samo za strukturiranje i opisivanje sadržaja dokumenata!
(ne i za dizajn)

Što je XML?

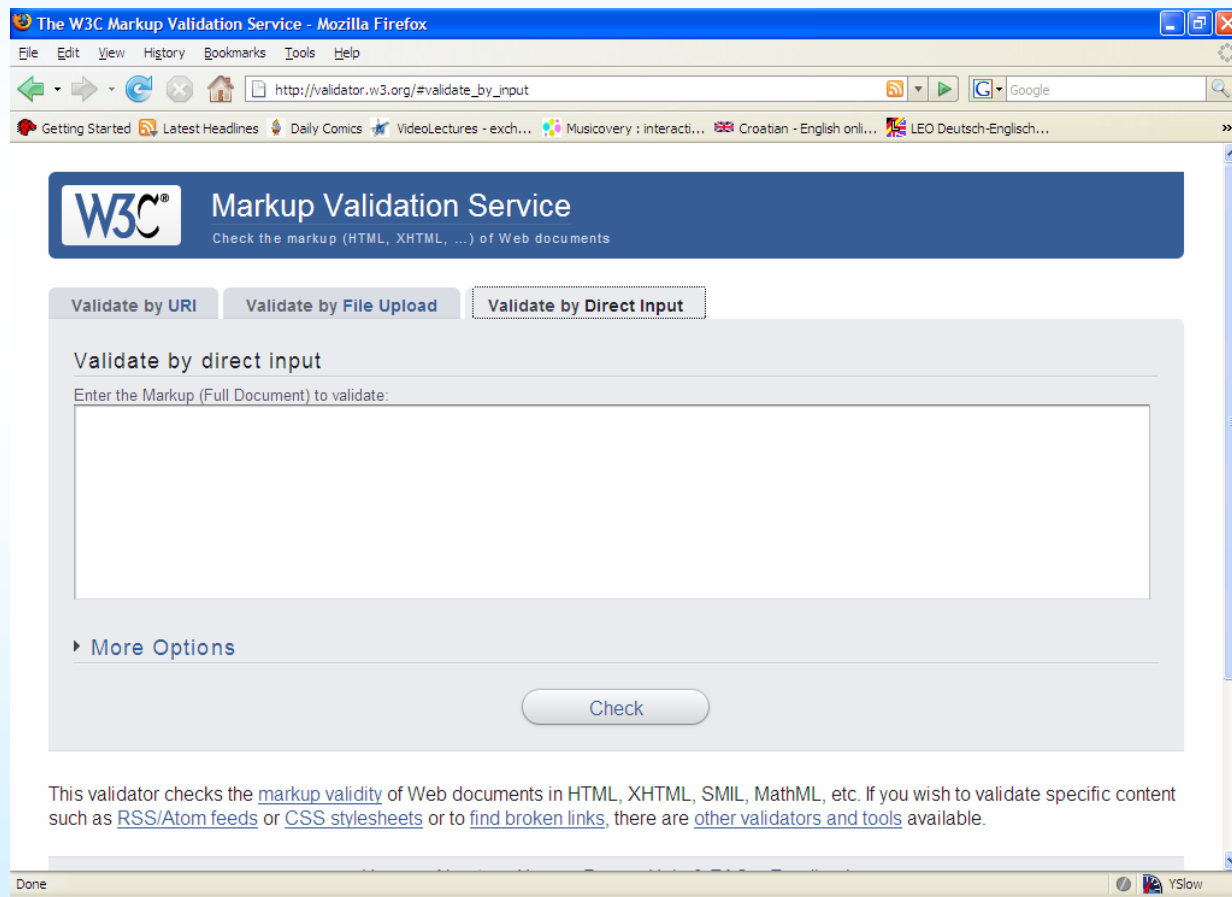
- XML == EXtensible Markup Language
- Općeniti markup jezik za strukturirano opisivanje podataka.
- Primjer:
 - `<?xml version="1.0" encoding="UTF-8"?>`
`<note>`
`<author>André Gide</author>`
`<quote>Believe those who are seeking the truth; doubt those who find it.</quote>`
`</note>`

Najvažnija pravila za XHTML

- Imena svih elemenata i atributa pišu se malim slovima
- Svi neprazni elementi (npr. <p>,) moraju imati zatvarajući tag (npr. </p>,), te biti dobro ugniježdeni
- Svi prazni elementi (npr. br, hr, img) moraju biti zatvoreni ili imati / na kraju (npr.
, <hr />,)
- Vrijednosti atributa pišu se unutar dvostrukih navodnika
- Tip dokumenta specificira se putem tzv. doctype deklaracije:
 - XHTML 1.0 Transitional
 - `<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">`
 - XHTML 1.0 Strict
 - `<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">`
 - ...

(X)HTML validator

- <http://validator.w3.org/>
- Provjera markup validnosti (X)HTML dokumenata
 - putem URL-a
 - uploadom datoteke
 - direktnim unosom



HTML primjer

- `<CENTER>`
`<img`
`src=http://upload.wikimedia.org/wikipedia/en/8/80/Garfield.JPG border=0 alt="Garfield"`
`width="193" height="262">`
`</center>`

`<hr size = 1>`

`Fact 1`

`<p>Garfield was born in the kitchen of Mama Leoni's Italian Restaurant and developed a taste for lasagna the day he was born. This was revealed on a Garfield TV special called Garfield: His nine lives. Ever since then, it has always been his favorite food.`

`
`

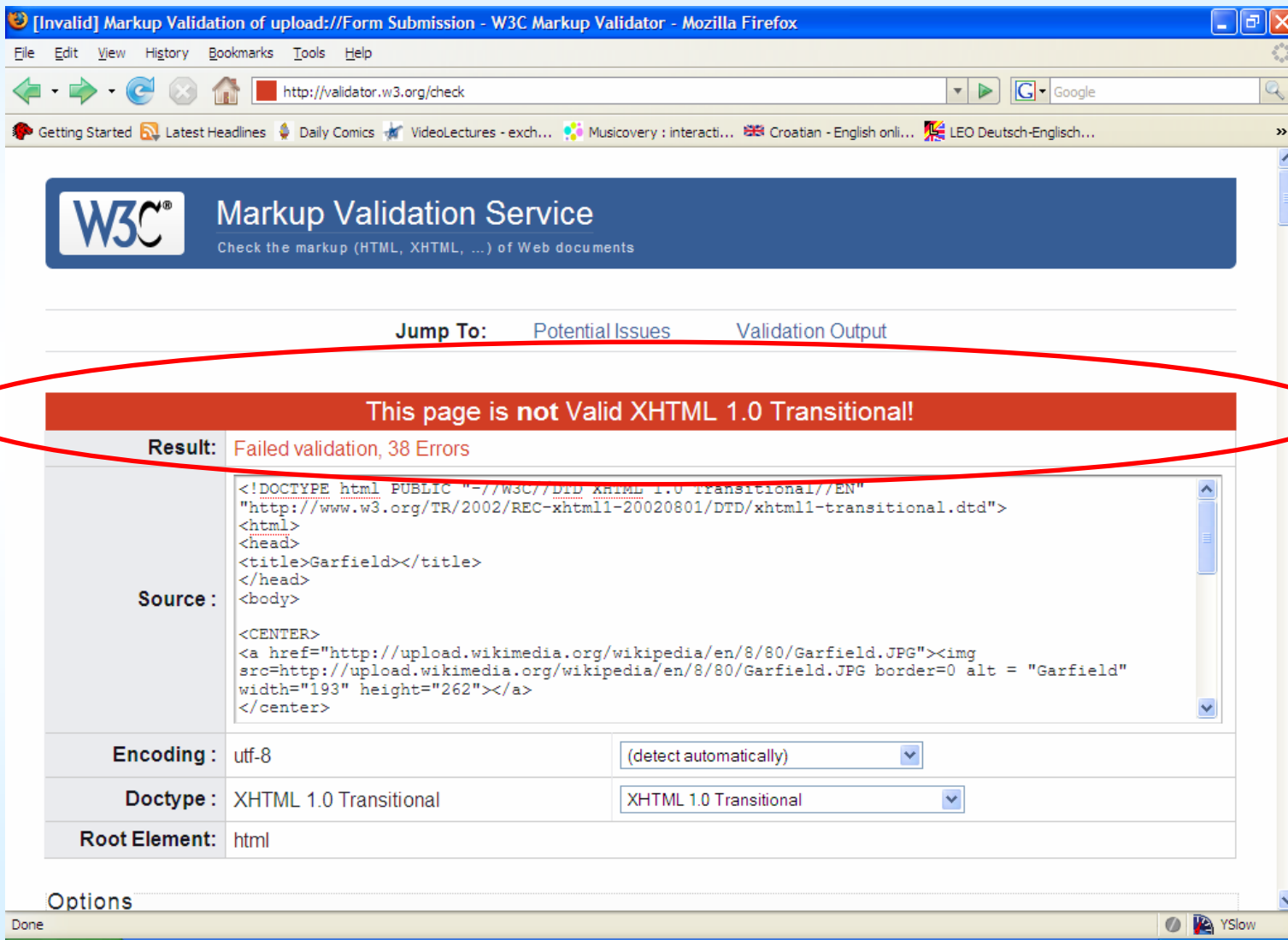
`
`

`Fact 2`

`<p>Garfield is not exclusively drawn by its creator. Jim Davis still writes and makes rough sketches for the strip, but his company, Paws, employs cartoonists and assistants who do most of the work of the finished drawing and inking, while Davis's final job is usually confined to approving and signing the finished strip. Otherwise, Davis spends most of his time managing the business and merchandising of Garfield.`

`
`

Da li se ovaj HTML kod validira kao XHTML?



The screenshot shows the W3C Markup Validation Service interface in a Mozilla Firefox browser. The browser's address bar shows the URL `http://validator.w3.org/check`. The page title is "[Invalid] Markup Validation of upload://Form Submission - W3C Markup Validator - Mozilla Firefox". The W3C logo and "Markup Validation Service" are visible at the top. Below the logo, there are navigation links for "Jump To: Potential Issues Validation Output". A prominent red banner across the middle of the page reads "This page is not Valid XHTML 1.0 Transitional!". Below this banner, the "Result:" section indicates "Failed validation, 38 Errors". The "Source:" section displays the HTML code being validated, which includes a DOCTYPE declaration for XHTML 1.0 Transitional and an image tag with a missing alt attribute. The "Encoding:" is set to "utf-8", "Doctype:" is "XHTML 1.0 Transitional", and "Root Element:" is "html". The "Options:" section is partially visible at the bottom.

W3C® Markup Validation Service
Check the markup (HTML, XHTML, ...) of Web documents

Jump To: Potential Issues Validation Output

This page is not Valid XHTML 1.0 Transitional!

Result: Failed validation, 38 Errors

Source:

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/2002/REC-xhtml1-20020801/DTD/xhtml1-transitional.dtd">
<html>
<head>
<title>Garfield</title>
</head>
<body>
<CENTER>
<a href="http://upload.wikimedia.org/wikipedia/en/8/80/Garfield.JPG"><img
src=http://upload.wikimedia.org/wikipedia/en/8/80/Garfield.JPG border=0 alt = "Garfield"
width="193" height="262"></a>
</center>
```

Encoding: utf-8 (detect automatically)

Doctype: XHTML 1.0 Transitional

Root Element: html

Options

Done

XHTML-iziranje primjera [1]

- ```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en">
<head>
<title>Garfield</title>
</head>

<body>
...slijedeći slide...
</body>
</html>
```



# XHTML-iziranje primjera [2]

- `<div align="center">`  
`<a href="http://upload.wikimedia.org/wikipedia/en/8/80/Garfield.JPG"><img`  
`src="http://upload.wikimedia.org/wikipedia/en/8/80/Garfield.JPG" border="0"`  
`alt="Garfield" width="193" height="262" /></a>`  
`</div>`

`<hr />`

`<font size = "+3" color = "#990000"><b>Fact 1</b></font>`

`<p>Garfield was born in the kitchen of Mama Leoni's Italian Restaurant and developed a taste for lasagna the day he was born. This was revealed on a Garfield TV special called Garfield: His nine lives. Ever since then, it has always been his favorite food.</p>`

`<br />`

`<br />`

`<font size = "+3" color = "#990000"><b>Fact 2</b></font>`

`<p>Garfield is not exclusively drawn by its creator. Jim Davis still writes and makes rough sketches for the strip, but his company, Paws, employs cartoonists and assistants who do most of the work of the finished drawing and inking, while Davis's final job is usually confined to approving and signing the finished strip. Otherwise, Davis spends most of his time managing the business and merchandising of Garfield.</p>`

`<br />`

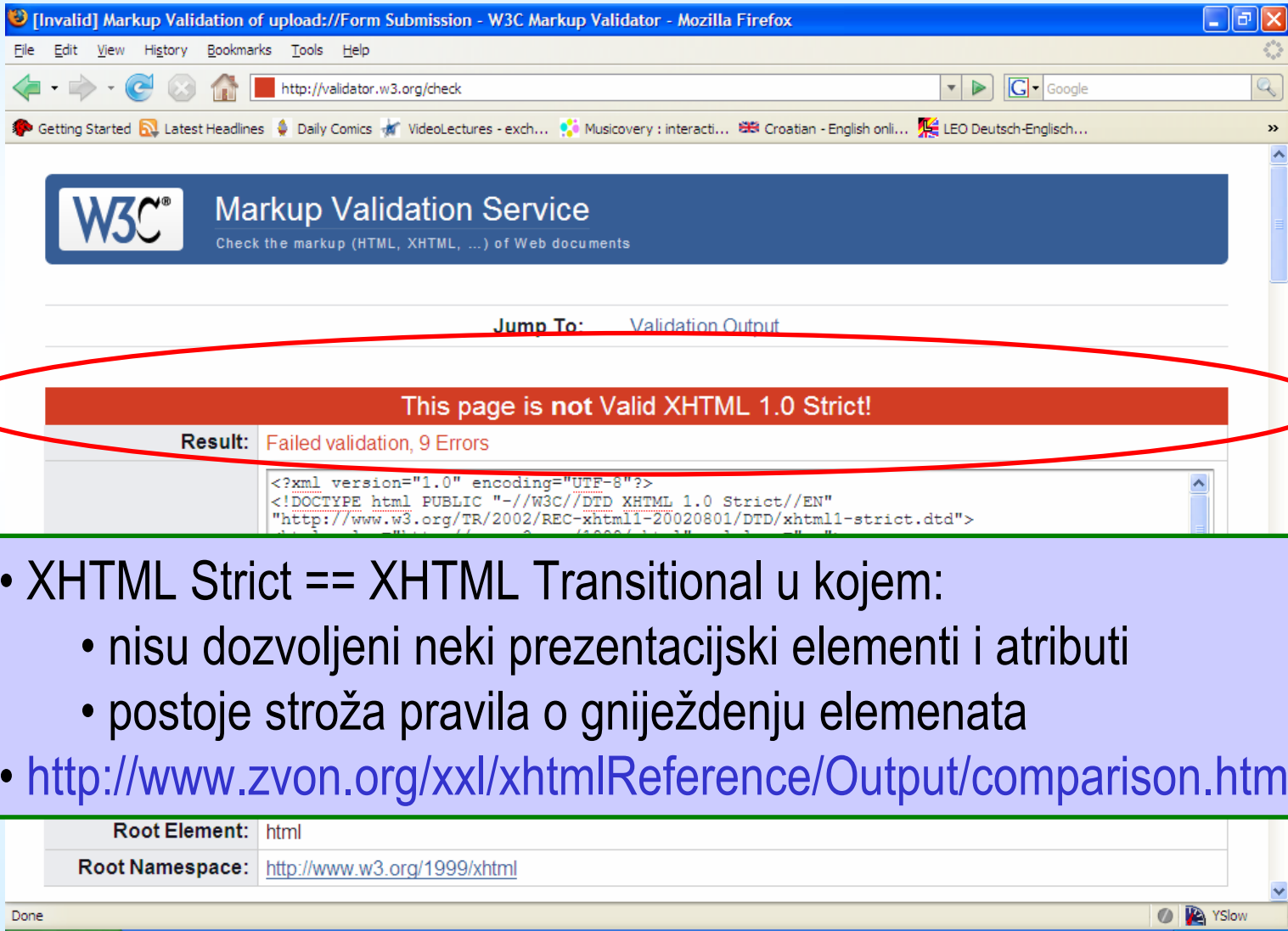
# Validan XHTML kod!

The screenshot shows the W3C Markup Validation Service interface in a Mozilla Firefox browser. The page title is "[Valid] Markup Validation of upload://Form Submission - W3C Markup Validator - Mozilla Firefox". The address bar shows the URL "http://validator.w3.org/check". The main heading is "Markup Validation Service" with the tagline "Check the markup (HTML, XHTML, ...) of Web documents". Below this, there are links for "Jump To: Congratulations · Icons". A large green banner states "This Page Is Valid XHTML 1.0 Transitional!".

<b>Result:</b>	Passed validation
<b>Source:</b>	<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd"&gt; &lt;html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en" lang="en"&gt; &lt;head&gt; &lt;title&gt;Garfield&lt;/title&gt; &lt;/head&gt; &lt;body&gt;  &lt;div align="center"&gt; &lt;a href="http://upload.wikimedia.org/wikipedia/en/8/80/Garfield.JPG"&gt;&lt;img src="http://upload.wikimedia.org/wikipedia/en/8/80/Garfield.JPG" border="0" alt = "Garfield" width="193" height="262" /&gt;&lt;/a&gt;</pre>
<b>Encoding:</b>	utf-8 (detect automatically)
<b>Doctype:</b>	XHTML 1.0 Transitional (detect automatically)
<b>Root Element:</b>	html
<b>Root Namespace:</b>	<a href="http://www.w3.org/1999/xhtml">http://www.w3.org/1999/xhtml</a>

Done YSlow

# Zapravo...



The screenshot shows the W3C Markup Validation Service interface in a Mozilla Firefox browser. The page title is "[Invalid] Markup Validation of upload://Form Submission - W3C Markup Validator - Mozilla Firefox". The address bar shows the URL "http://validator.w3.org/check". The main heading is "Markup Validation Service" with the tagline "Check the markup (HTML, XHTML, ...) of Web documents". A red banner across the page reads "This page is not Valid XHTML 1.0 Strict!". Below this, the "Result:" section indicates "Failed validation, 9 Errors". A code snippet is visible, showing the XML declaration and DOCTYPE: `<?xml version="1.0" encoding="UTF-8"?><!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/2002/REC-xhtml1-20020801/DTD/xhtml1-strict.dtd">`. At the bottom, the "Root Element:" is "html" and the "Root Namespace:" is "http://www.w3.org/1999/xhtml".

- XHTML Strict == XHTML Transitional u kojem:
  - nisu dozvoljeni neki prezentacijski elementi i atributi
  - postoje stroža pravila o gniježdenju elemenata
- <http://www.zvon.org/xxl/xhtmlReference/Output/comparison.html>

# Literatura za XHTML

- XHTML materijali za ex. RP1 (by Vedran Čačić)
  - <http://web.math.hr/~veky/rp1/vjezbe3/>
- W3Schools XHTML Tutorial
  - <http://www.w3schools.com/xhtml/default.asp>
- New York Public Library XHTML Guidelines and Benefits
  - <http://www.nypl.org/styleguide/xhtml/index.html>
- XHTML 1.0 W3C Recommendation
  - <http://www.w3.org/TR/xhtml1/>
- XHTML 1.0 reference with examples
  - <http://www.zvon.org/xxl/xhtmlReference/Output/index.html>

# CSS

- CSS == Cascading Style Sheets
- Stilske kartice (engl. style sheets) opisuju kako (X)HTML dokument treba prikazati
  - sastoje se od niza pravila koje se primjenjuju na elemente stranice
  - kontroliraju razmještaj elemenata na stranici, njihov stil i prikaz

## Važna napomena:

Sve stilske aspekte (X)HTML dokumenta treba zapisati korištenjem CSS-a!  
(na taj način stil je moguće u potpunosti odvojiti od sadržaja)

# Demonstracija mogućnosti CSS-a

- CSS Zen Garden
  - <http://www.csszengarden.com/>

css Zen Garden: The Beauty in CSS Design - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://www.csszengarden.com/

Getting Started Latest Headlines Daily Comics VideoLectures - exch... Musiccovery : interact... Croatian - English onli... LEO Deutsch-Englisch...



# Zen Garden

The Beauty of CSS Design

*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 to create beauty from structure. To date, most examples of neat tricks and hacks have been demonstrated by structurists and coders. Designers have yet to make their mark. This needs to change.

*Participation*

select a design:

- CSS Co., Ltd. by Benjamin Klemm
- Sakura by Tatsuya Uchida
- Kyoto Forest by John Politowski
- A Walk in the Garden by Simon Van Hauwermeiren
- spring360 by Rene Hornig
- Withering Beauty by William Duffy
- Tiny Blue by Timo Virtanen
- Retro Theater by Eric Rogé

archives:

[next designs >>](#)

[View All Designs](#)

resources:

YSlow

http://www.csszengarden.com/?cssfile=/202/202.css&page=0

css Zen Garden: The Beauty in CSS Design - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://www.csszengarden.com/?cssfile=/209/209.css&page=0

Getting Started Latest Headlines Daily Comics VideoLectures - exch... Musicoverly : interacti... Croatian - English onli... LEO Deutsch-Englisch...

Download the sample [html file](#) and [css file](#)

# CSS Zen Garden

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



## Select a Design

- [CSS Co., Ltd.](#)  
by [Benjamin Klemm](#)
- [Sakura](#)  
by [Tatsuya Uchida](#)
- [Kyoto Forest](#)  
by [John Politowski](#)
- [A Walk in the Garden](#)  
by [Simon Van Hauwermeiren](#)
- [spring360](#)  
by [Rene Hornig](#)
- [Withering Beauty](#)  
by [William Duffy](#)
- [Tiny Blue](#)  
by [Timo Virtanen](#)

## 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



```
font-size: 12px;
font-family: Arial;
h2 {
 color: #666666;
 font-weight: bold;
 font-size: 1.2em;
 margin-bottom: 10px;
}
```

## Participation



Done

YSlow



css Zen Garden: The Beauty in CSS Design - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://www.csszengarden.com/?cssfile=/208/208.css&page=0

Getting Started Latest Headlines Daily Comics VideoLectures - exch... Musicoverly : interacti... Croatian - English onli... LEO Deutsch-Englisch...

# CSS Zen Garden

The Beauty of CSS Design

### Select a Design

- ▶ **CSS Co., Ltd.**  
by Benjamin Klemm

---

- ▶ **Sakura**  
by Tatsuya Uchida

---

- ▶ **Kyoto Forest**  
by John Politowski

---

- ▶ **A Walk in the Garden**  
by Simon Van Hauwermeiren

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- ▶ **spring360**  
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- ▶ **Withering Beauty**  
by William Duffy

---

- ▶ **Tiny Blue**  
by Timo Virtanen

---

- ▶ **Retro Theater**



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Download the sample [html file](#) and [css file](#)

### The Road to Enlightenment

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### So What is This About?

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Done

YSlow

# Status CSS-a na početku 2008.

- Standardizirana verzija: CSS 1
- Pred standardizacijom: CSS 2.1
- U pripremi: CSS 3
- Podrška web preglednika:
  - Firefox 2.x – kompletni CSS 1, veći dio CSS 2.1
  - Opera 9.x – kompletni CSS 1, veći dio CSS 2.1
  - Internet Explorer 6+ – kompletni CSS 1 (s nekim bugovima), manji dio CSS 2.1
    - Internet Explorer 7 – neka poboljšanja

# Standards vs. Quirks

- Moderni web preglednici podržavaju dva moda rada: Standards i Quirks
- **Standards mod**
  - za prikazivanje koda koji je u skladu sa (nekim) standardom
  - nužno potrebno navesti doctype deklaraciju
- **Quirks mod**
  - za prikazivanje starog koda ili koda koji nije u skladu sa (nekim) standardom

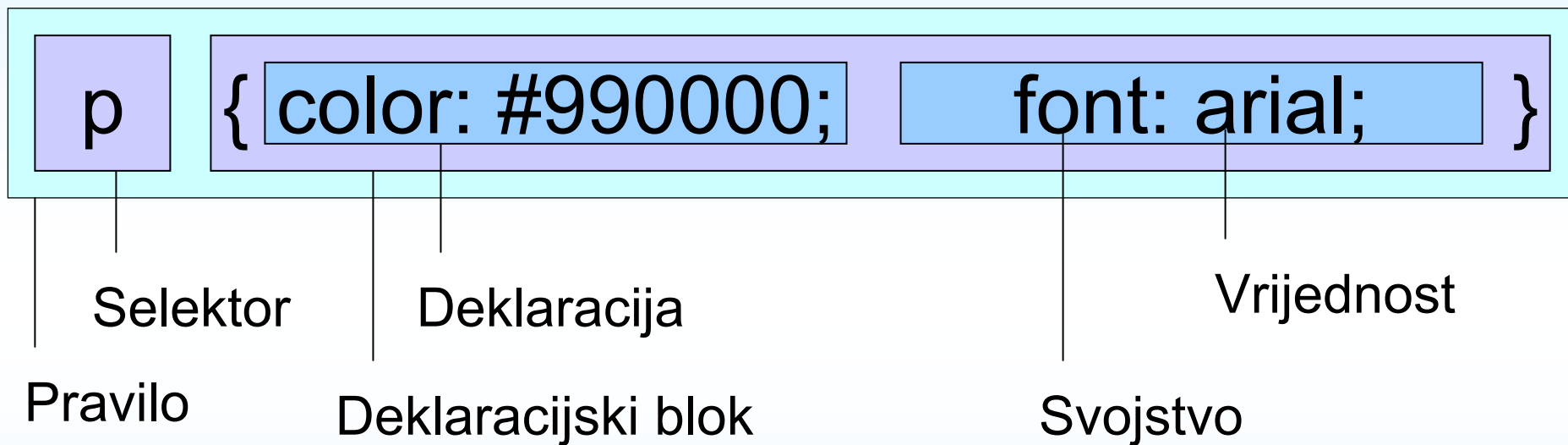
# Gdje se sve mogu nalaziti CSS pravila

- Unutar elemenata
  - korištenjem atributa **style** na (X)HTML tagu
  - `<p style="color: #990000;"> ... </p>`
- Umetnuti u vlastitom **style** elementu
  - `<style> p {color: #990000;} </style>`
- U vanjskoj datoteci povezanoj s (X)HTML dokumentom  
`<link rel="stylesheet" href="stil.css" type="text/css" />`



preferirani način

# Struktura CSS pravila



# Osnovni tipovi CSS selektora

## Tag

`<p>` Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. `</p>`  
`<p>` Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. `</p>`

```
p {
 color: #990000;
}
```

## Class

`<p class="latin">` Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. `</p>`  
`<p class="latin">` Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. `</p>`

```
p.latin {
 color: #990000;
}
```

## Id

`<p id="latin1">` Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. `</p>`  
`<p id="latin2">` Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. `</p>`

```
p#latin1, #latin2 {
 color: #990000;
}
```

# Još o CSS selektorima

```
P { color: black; }
P, H1, H2 { color: black; }
* { color: black; }
P.urgent, .Error { color: black; }
#Menu { color: black; }
*[title], A[href][title] { color: black; }
A[title="home page"] { color: black; }
A[title~="foo"] { color: black; }
*[lang]="en" { color: black; }
UL LI UL { color: black; }
P > STRONG { color: black; }
A:hover { color: black; }
P:first-letter { font-size: 200%; }

/* Tag */
/* Grupiranje */
/* Univerzalni selektor */
/* Selektor klase */
/* Selektor id-a */
/* Selektor atributa */
/* Selektor atributa - egzaktni */
/* Selektor atributa - parcijalni */
/* Selektor atributa - partikularni */
/* Selektor potomka */
/* Selektor djeteta */
/* Selektor pseudoklase */
/* Selektor pseudoelementa */
```

# Česta svojstva u deklaracijama

background	background-attachment	background-color
background-repeat	border	bottom
color	cursor	display
float	font	font-family
font-size	font-style	font-weight
height	left	letter-spacing
line-height	list-style-image	list-style-position
list-style-type	margin	overflow
padding	position	right
text-align	text-decoration	text-indent
text-transform	top	vertical-align
visibility	white-space	width
word-spacing	word-wrap	z-index



# Što označava "cascading" u CSS-u?

- Pravila se nasljeđuju od roditeljskih elemenata (dakle, propadaju prema "dolje")
- Što je CSS pravilo specifičnije, ima veći proritet
  - Pogledajte npr.  
<http://web.math.hr/~veky/rp1/vjezbe4/vjezbe43.html>  
za točnu formulu kojom se određuju prioriteti
- Ukoliko pravila imaju isti prioritet, primjenjuje se ono koje je posljednje specificirano

# XHTML primjer

- `<div align="center">`  
`<a href="http://upload.wikimedia.org/wikipedia/en/8/80/Garfield.JPG"><img`  
`src="http://upload.wikimedia.org/wikipedia/en/8/80/Garfield.JPG" border="0"`  
`alt="Garfield" width="193" height="262" /></a>`  
`</div>`

`<hr />`

`<font size = "+3" color = "#990000"><b>Fact 1</b></font>`

`<p>Garfield was born in the kitchen of Mama Leoni's Italian Restaurant and developed a taste for lasagna the day he was born. This was revealed on a Garfield TV special called Garfield: His nine lives. Ever since then, it has always been his favorite food.</p>`

`<br />`

`<br />`

`<font size = "+3" color = "#990000"><b>Fact 2</b></font>`

`<p>Garfield is not exclusively drawn by its creator. Jim Davis still writes and makes rough sketches for the strip, but his company, Paws, employs cartoonists and assistants who do most of the work of the finished drawing and inking, while Davis's final job is usually confined to approving and signing the finished strip. Otherwise, Davis spends most of his time managing the business and merchandising of Garfield.</p>`

`<br />`

# Izbacivanje stilova [1]

- ```
<div id="header">  
<a href="http://upload.wikimedia.org/wikipedia/en/8/80/Garfield.JPG"></a>  
</div>
```

```
<h2 class="fact">Fact 1</h2>
```

```
<p>Garfield was born in the kitchen of Mama Leoni's Italian Restaurant and developed a  
taste for lasagna the day he was born. This was revealed on a Garfield TV special called  
Garfield: His nine lives. Ever since then, it has always been his favorite food.</p>
```

```
<h2 class="fact">Fact 2</h2>
```

```
<p>Garfield is not exclusively drawn by its creator. Jim Davis still writes and makes  
rough sketches for the strip, but his company, Paws, employs cartoonists and assistants  
who do most of the work of the finished drawing and inking, while Davis's final job is  
usually confined to approving and signing the finished strip. Otherwise, Davis spends  
most of his time managing the business and merchandising of Garfield.</p>
```

Izbacivanje stilova [2]

- ```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en">
<head>
<title>Garfield</title>
<link rel="stylesheet" href="stil.css" type="text/css" />
</head>

<body>
...prethodni slide...

</body>
</html>
```

# Validan kod kao XHTML Strict!

[Valid] Markup Validation of upload://Form Submission - W3C Markup Validator - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://validator.w3.org/check

Getting Started Latest Headlines Daily Comics VideoLectures - exch... Musiccovery : interacti... Croatian - English onli... LEO Deutsch-Englisch...

**W3C** Markup Validation Service  
Check the markup (HTML, XHTML, ...) of Web documents

Jump To: [Congratulations](#) · [Icons](#)

**This Page Is Valid XHTML 1.0 Strict!**

<b>Result:</b>	Passed validation
<b>Source:</b>	<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/2002/REC-xhtml1-20020801/DTD/xhtml1-strict.dtd"&gt; &lt;html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en"&gt; &lt;head&gt; &lt;title&gt;Garfield&lt;/title&gt; &lt;link rel="stylesheet" href="stil.css" type="text/css" /&gt; &lt;/head&gt; &lt;body&gt;  &lt;div id="header"&gt; &lt;a href="http://upload.wikimedia.org/wikipedia/en/8/80/Garfield.JPG"&gt;&lt;img src="http://upload.wikimedia.org/wikipedia/en/8/80/Garfield.JPG" alt = "Garfield" /&gt;&lt;/a&gt;</pre>
<b>Encoding:</b>	utf-8 (detect automatically)
<b>Doctype:</b>	XHTML 1.0 Strict (detect automatically)
<b>Root Element:</b>	html
<b>Root Namespace:</b>	<a href="http://www.w3.org/1999/xhtml">http://www.w3.org/1999/xhtml</a>

http://www.w3.org/ YSlow

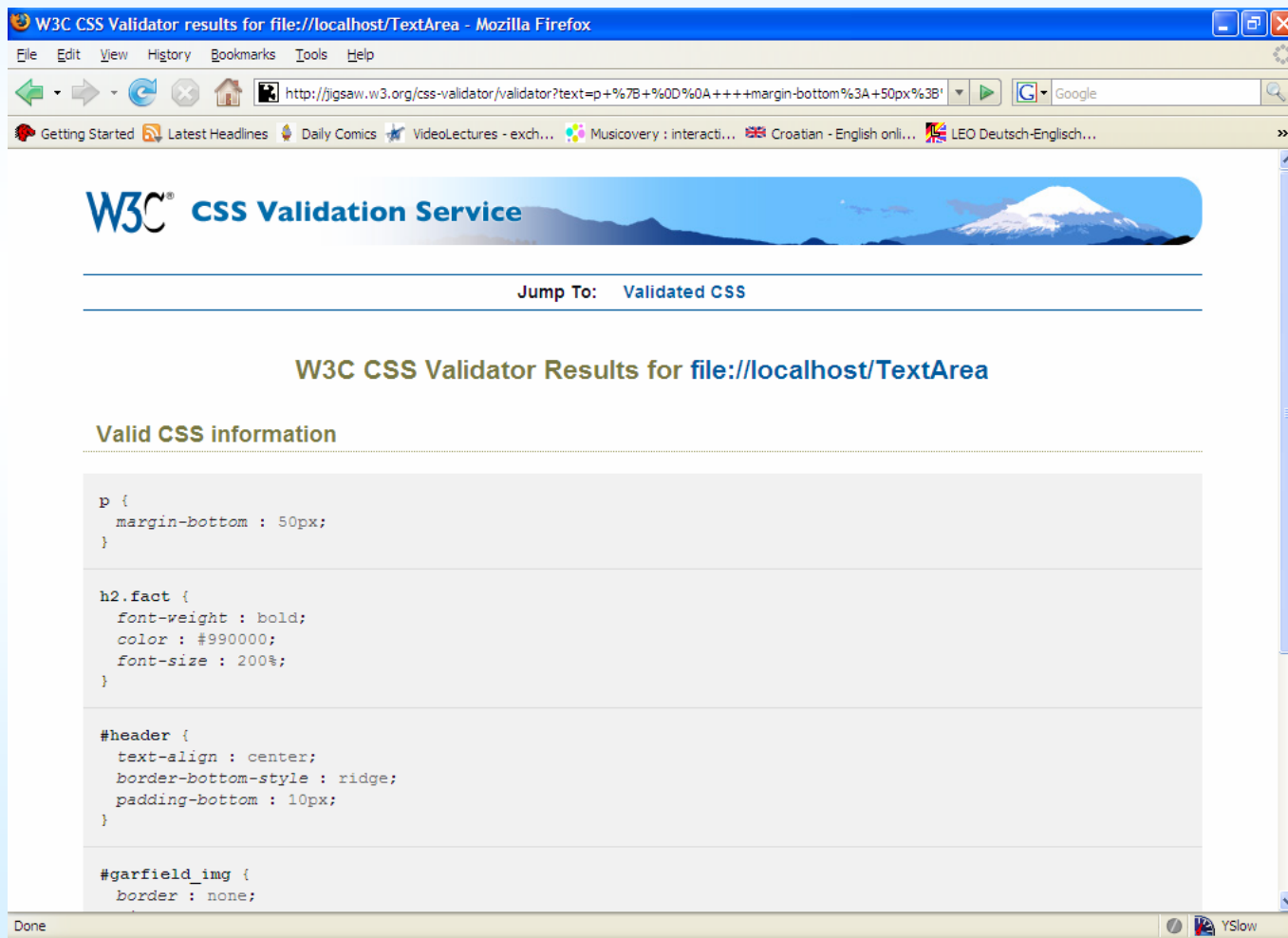
# Definicija stilova pomoću CSS-a

stil.css

- ```
p {  
  margin-bottom: 50px;  
}
```
- ```
h2.fact {
 font-weight: bold;
 color: #990000;
 font-size: 200%;
}
```
- ```
#header {  
  text-align: center;  
  border-bottom-style: ridge;  
  padding-bottom: 10px;  
}
```
- ```
#garfield_img {
 border: none;
 width: 193px;
 height: 262px;
}
```

# CSS Validator

- <http://jigsaw.w3.org/css-validator/>



W3C CSS Validation Service

Jump To: [Validated CSS](#)

## W3C CSS Validator Results for file://localhost/TextArea

### Valid CSS information


```
D {
 margin-bottom : 50px;
}

h2.fact {
 font-weight : bold;
 color : #990000;
 font-size : 200%;
}

#header {
 text-align : center;
 border-bottom-style : ridge;
 padding-bottom : 10px;
}


#garfield_img {
 border : none;
}
```

# Primjer: prije i poslije



Garfield - Mozilla Firefox

file:///D:/Nastava/MrezeRacunala/MR-vjezbe/vjezbe10/03\_primjerXHTMLstrict-NonValid.html



---

**Fact 1**


Garfield was born in the kitchen of Mama Leoni's Italian Restaurant and developed a taste for lasagna the day he was born. This was revealed on a Garfield TV special called Garfield: His nine lives. Ever since then, it has always been his favorite food.

**Fact 2**

Garfield is not exclusively drawn by its creator. Jim Davis still writes and makes rough sketches for the strip, but his company, Paws, employs cartoonists and assistants who do most of the work of the finished drawing and inking, while Davis's final job is usually confined to approving and signing the finished strip. Otherwise, Davis spends most of his time managing the business and merchandising of Garfield.


<http://upload.wikimedia.org/wikipedia/en/8/80/Garfield.JPG>

YSlow



Garfield - Mozilla Firefox

file:///D:/Nastava/MrezeRacunala/MR-vjezbe/vjezbe10/04\_primjerXHTMLstrict.html



---

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<http://upload.wikimedia.org/wikipedia/en/8/80/Garfield.JPG>

YSlow



# div i span (X)HTML elementi

- U Strict XHTML-u nisu dozvoljeni stilizirajući elementi, pa stilove primjenjujemo na generičke kontejnerske elemente kojima "obuhvatimo" elemente na koje želimo primijeniti stil
  - div – za blokove elemente
  - span – za linijske elemente

- Primjer:

```
<p>Lorem ipsum dolor sit amet,
consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et
dolore magna aliqua.</p>
<div id="two-three">
<p>Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi
ut aliquip ex ea commodo consequat.</p>
<p>Duis aute irure dolor in reprehenderit in voluptate velit esse cillum
dolore eu fugiat nulla pariatur.</p>
</div>
<p>Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia
deserunt mollit anim id est laborum.</p>
```

- CSS:

```
.begin-end {
 font-size: 32px;
 color: red;
 background: black;
}
#two-three {
 color: blue;
 font-family: tahoma, verdana;
}
```

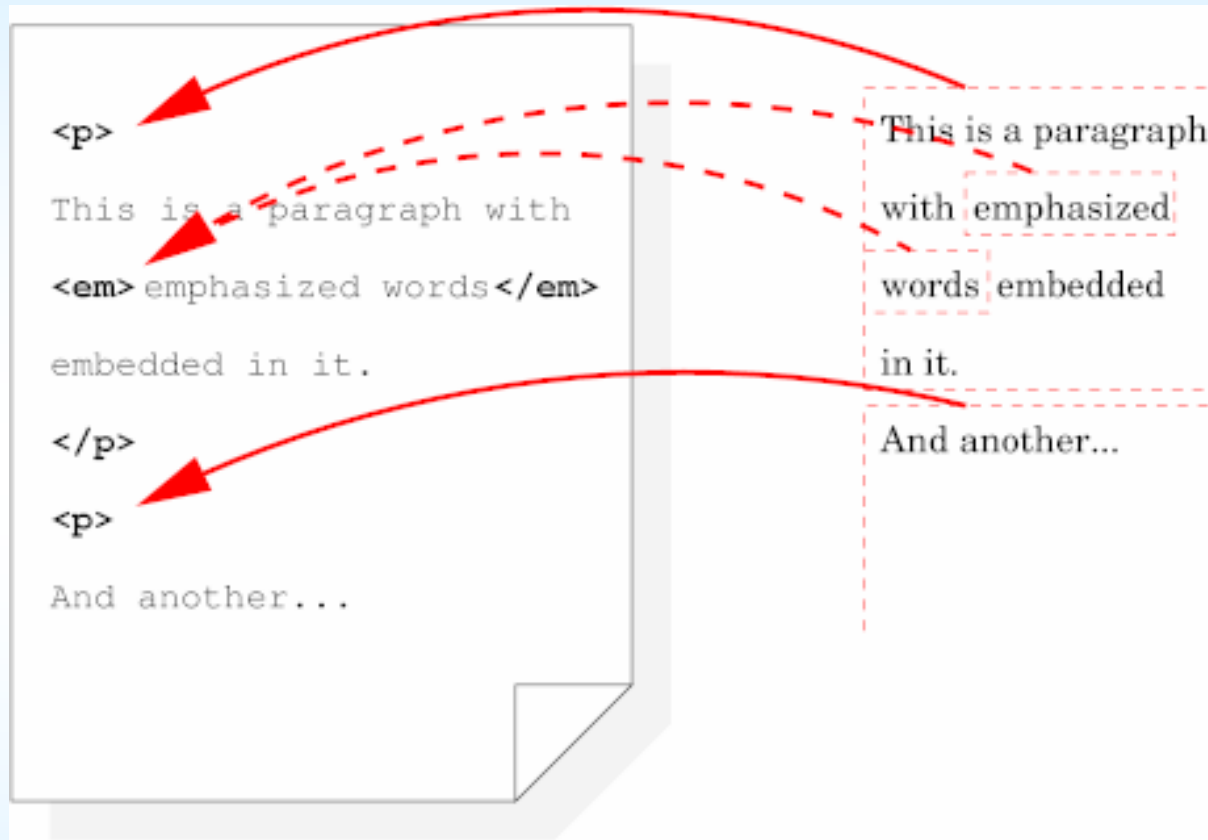
**Lorem** ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

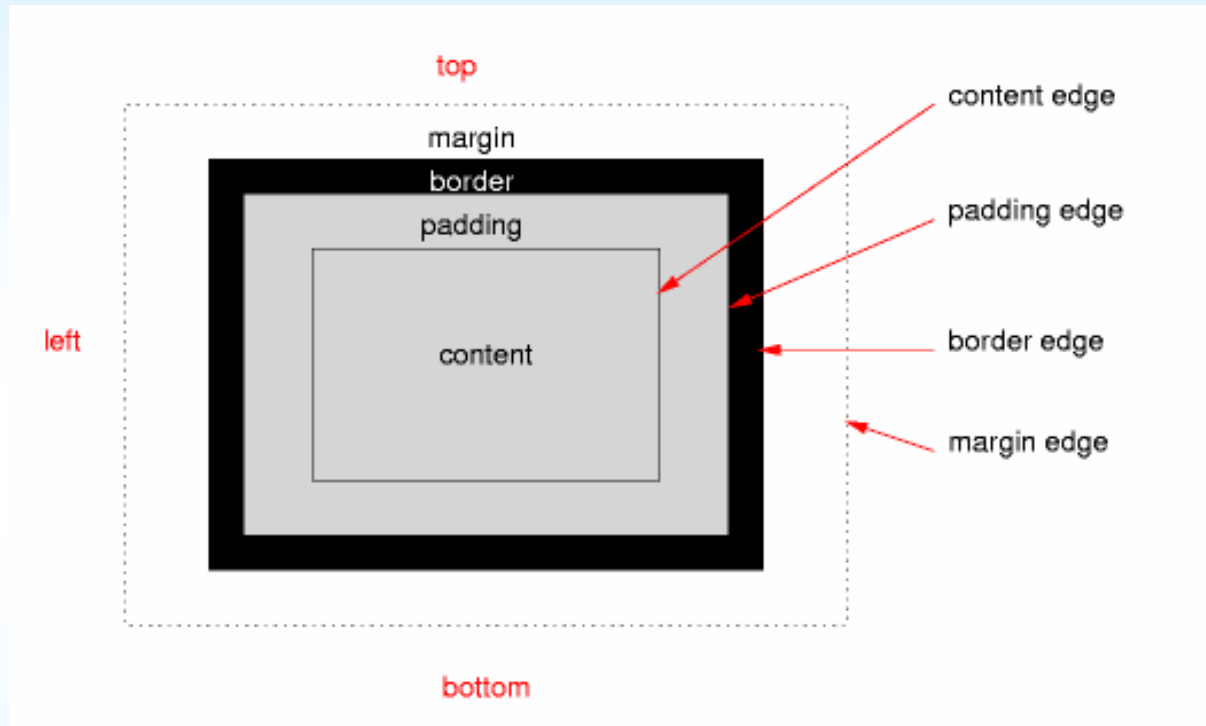
Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est **laborum.**

# CSS box model [1]



<http://www.w3.org/TR/css3-box/>

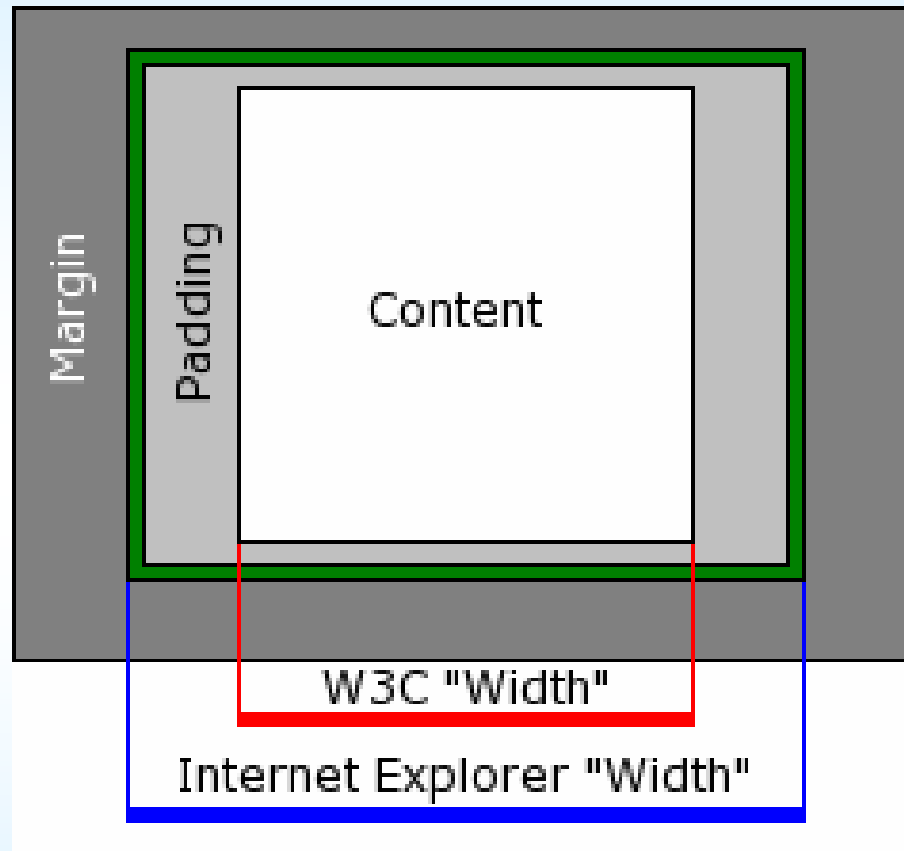
# CSS box model [2]



Objašnjenje ovih pojmova:

<http://web.math.hr/~veky/rp1/vjezbe4/vjezbe45.html>

# Bug u implementaciji CSS-a kod Internet Explorera



[http://en.wikipedia.org/wiki/Internet\\_Explorer\\_box\\_model\\_bug](http://en.wikipedia.org/wiki/Internet_Explorer_box_model_bug)  
(do verzije 6 u Standards modu, te sve verzije u Quirks modu)

# Strukturiranje izgleda stranice

- Rasporedite dizajn stranice u sekcije
- Koristite div elemente kako biste definirali sekcije unutar (X)HTML dokumenta
- Stilizirajte sekcije pomoću CSS-a
- Koristite float svojstva kako biste pozicionirali sekcije
- Važna napomena:  
(X)HTML tabele treba koristiti samo za tabelarni prikaz podataka, ne i za strukturiranje izgleda web stranice.

# Float svojstvo

- Upotreba float svojstva omogućava svrstavanje elemenata na lijevu ili desnu stranu prozora web preglednika

float: left | right | none | inherit

- Primjer: col1 i col2 bit će prikazani jedan do drugoga s lijeve strane, a col3 će biti gurnut na desnu stranu.

```
<div id="col1" style="float:left;">...</div>
```

```
<div id="col2" style="float:left;">...</div>
```

```
<div id="col3" style="float:right;">...</div>
```

- Još primjera...

# Literatura za CSS

- CSS materijali za ex. RP1 (by Vedran Čačić)
  - <http://web.math.hr/~veky/rp1/vjezbe4/>
- W3Schools CSS Tutorial
  - <http://www.w3schools.com/css/>
- HTML Dog CSS tutorials
  - <http://www.htmldog.com/guides/cssbeginner/>
- W3C Cascading Style Sheets home page
  - <http://www.w3.org/TR/xhtml1/>
- CSS 2 reference with examples
  - <http://www.zvon.org/xxl/CSS2Reference/Output/index.html>
- Cascading Style Cheatsheet
  - <http://home.tampabay.rr.com/bmerkey/cheatsheet.htm>



# Preporuke: plug-inovi za Firefox

- Web Developer Toolbar
  - <http://addons.mozilla.org/en-US/firefox/addon/60>
- Firebug
  - <http://addons.mozilla.org/en-US/firefox/addon/1843>
- Html validator
  - <http://addons.mozilla.org/en-US/firefox/addon/249>
- CSS validator
  - <http://addons.mozilla.org/en-US/firefox/addon/2289>