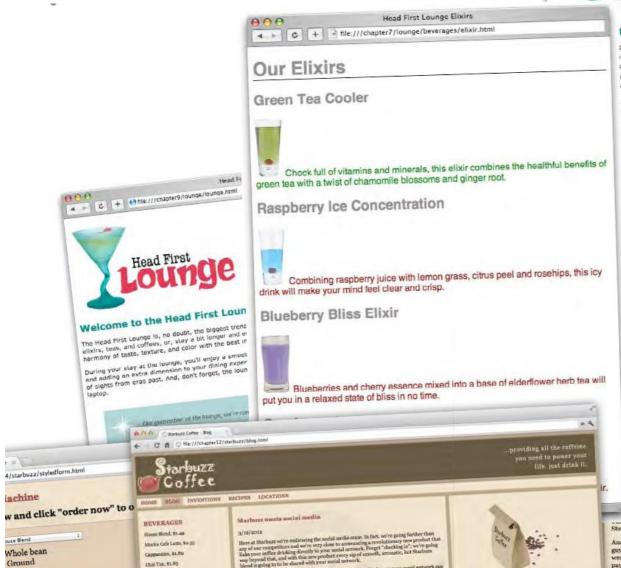
CSS Basics





markup · presentation · style · rules · selectors · declarations · properties...





Most unique patron of the month

to the Head First Lounge

bunge is, no doubt, the biggest trendsetter in to sample the eclectic offering of elixirs, teas, stay a bit longer and enjoy the multicultural at combines a harmony of taste, texture, and st in fresh and healthy ingredients.

at the lounge, you'll enjoy a smooth mixture of tic sounds, filling the lounge and adding an o your dining experience. The decor surrounds ing sentiments of sights from eras past. And, ounge offers free wireless access to the your laptop.

or guarantee: at the lounge, we're committed to oviding you, our guest, with an exceptional serience every time you visit. Whether you're t stopping by to check in on small over an ir, or are here for an out-of-the-ordinary ner, you'll find our knowledgeable service I pay attention to every detail. If you're not satisfied, have a Murberry Bliss Elixir on us.

night, join us in the backroom as our hoice selection of trance and drum&bass clous tiki-themed dance floor. Or just hang ofy white vinyl booths at the dence bar. You delivered from the main lounge right to the had enough of the beat, just head back to lax. And, no matter where you find yourself

1/starbuzz/index.html

Weekly Elixir Specials

Lemon Breeze



Chal Chiller

Not your traditional chai, this elixir mixes mate with chai spices and adds an extra chocolate kick for a caffeinated taste sensatio on ice.



The ultimate healthy drink, this elixir combines herbal botanicals, minerals, and vitamins with a twist of lemon into a smooth citrus wonder that will keep your mmune system going all day and all night. e system going a and all night.





August 20, 2012

(9) (9) (9) My Trip Around the USA on | X

Segway'n USA

← C fi ⑤ file:///chapter13/journal/journal.html

Documenting my trip around the US on my very own Segway!

Well I made it 1200 miles already, and I passed through some interesting

Walla Walla, WA	June 15th	Temperature	Altitude	Population	
Magic City, ID		75	1,204 ft		Diner Rating
Bountiful, UT	June 25th	74	A STATE OF THE PARTY OF	29,686	4/5
Last Chance, CO	July 10th	91	5,312 ft	50	3/5
Truth or Consequences, NM	July 23rd	102	4,226 ft	41,173	4/5
	August 9th	93	4,780 ft	265	3/5
	August 27th	98	4,242 ft	7,289	5/5
					Tess 5/5
	August 18th				Tony 4/5
14, 2012	cities I visited	on my Segway	860 ft	480	3/5

" 3

>> 3



I saw some Burma SI O O My Trip Around the USA on » → cant ← → C fi ⑤ file:///chapter13/journal/journal.html





ITY COFFEE, QUALITY CAFFEINE

buzz Coffee, we are dedicated to filling all your caffeine burz Cortee, we are dedicated to running all your carterine hrough our quality coffices and teas. Sure, we want you to great cup of coffee and a great coffee experience as well, re the only company that actively monitors and optimizes levels. So stop by and fill your cup, or order online with "Bean Machine online order form, and get that quality uzz coffee that you know will meet your caffeine standards.

And, did we mention coffeine? We've just started funding the guvs doing all the wonderful research at the Caffeine Buzz. If you want the latest on coffee and other caffeine products, stop by and pay them a visit.

OUR STORY

ORDER ONLINE with the BEAN MA

by wait? You can order all our fine coffices right terrest with our new, automated Bean Machine ork? Just click on the Bean Machine link, enter ork? Just click on the Bean Machine link, enter ork? Just click on the Bean Machine link, enter

"A man, a plan, a coffee bean". Oksy, that doesn't make a palindrome, but it resulted in a damn good cup of coffee. Starbuzz's CEO is that man, and you already know his plan: a

In only a few years he's executed that plan and today you can enjoy Starbuzz just about anywhere. And, of course, the big news this year is that Starbuzz teamed up with Head First readers to create Starbuzz's Web presence, which is growing rapidly and helping to meet the caffeine needs of a whole new set of

STARBUZZ COFFEE BEVERAGES

We've got a variety of caffeinated beverages to choose from at rbuzz, including our House Blend, Mocha Cafe La puccino, and a favorite of our customers, Chal Te

We also offer a variety of coffee beans, whole or ground, for you to take home with you. Order your coffee today using our online lean Machine, and take the Starbuzz Coffee experience home.



ORDER ONLINE with the BEAN

FAST FRESH TO YOUR DOOR

Why wait? You can order all our fine coffees right from the Internet with or new, automated Bean Machine. How does it work? Just click on the Bean Machine link, enter your order, and behind the scenes, your coffee is roasted, ground (if you want), packaged and shipped to your door.



My first day of the trip! I can't believe I finally got everything packed and ready to go. Because I'm on a Segway, I wasn't able to bring a whole lot with me:



digital camera

and a protein bar

Just the essentials. As Lao Tzu would have said, "A journey of a

Whole bean Ground Ciff wrap Include catalog with order 310-555-1212 Great coffee!

Order Now

ELIXIRS

We proudly serve clinics brown! It friends at the Head First Lounge.

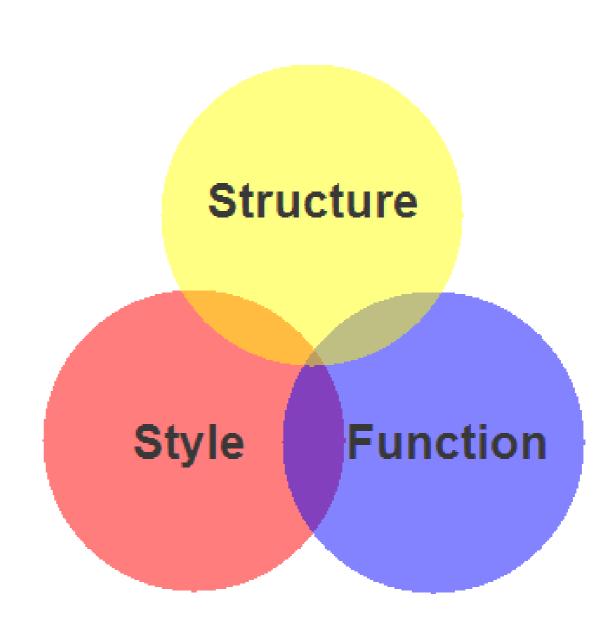
Nucberry Bliss Elixir, \$2.99 resolvery Authoridant Blast, \$2.9

Green Tea Cooler, 92-99

Chai Chiller, \$9.99 Black Brain Brew, 52-99

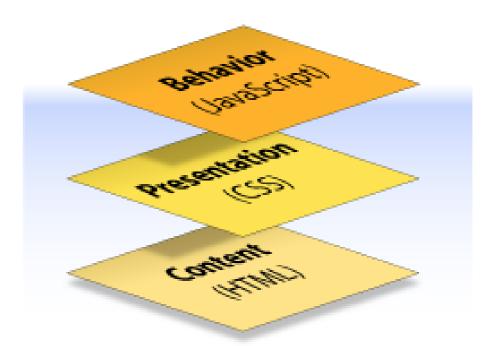
Markup, Style, Function

- Markup (XHTML, HTML)
 - Structure
 - Content
- Style (CSS)
 - Style
 - Presentation
 - Appearance
- Function (Javascript)
 - Actions
 - Manipulations



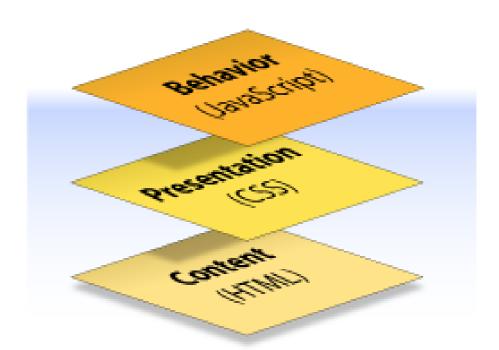
Content, Presentation, Behavior

- Content comprises the information the author wishes to convey to his or her audience, and is embedded within HTML or XHTML markup that defines its structure and semantics.
- Most of the content on the Web today is text, but content can also be provided through images, animations, sound, video, and whatever else an author wants to publish



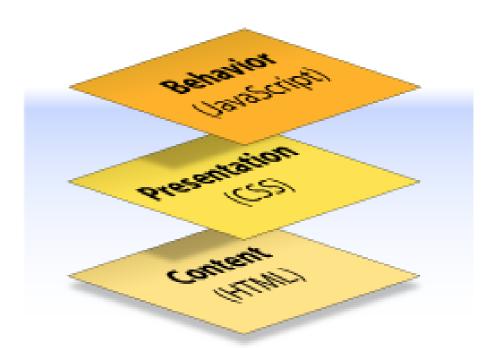
Content, Presentation, Behavior

- Presentation defines how the content will appear to a human being who accesses the document in one way or another
- The conventional way to view a web page is with a regular web browser, of course, but that's only one of many possible access methods. For example, content can also be converted to synthetic speech for users who have impaired vision or reading difficulties



Content, Presentation, Behaviour

- Behaviour layer involves real-time user interaction with the document.
- This task is normally handled by JavaScript.
- The interaction can be anything from a trivial validation that ensures a required field is filled in before an order form can be submitted, to sophisticated web applications that work much like ordinary desktop programs.



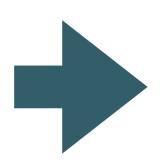
Separation of Concerns

- It's possible to embed all three layers within the same document
 - and can be used to control the presentation of text, and <hr>> will insert a visible rule element



• Sometimes called *Presentational Markup*, these types of elements embed presentation-layer information within the content layer, they negate any advantage we may have gained by keeping the layers separate.

Keeping them separate gives us one valuable advantage:



We can modify or replace any of the layers without having to change the others.

What is CSS?



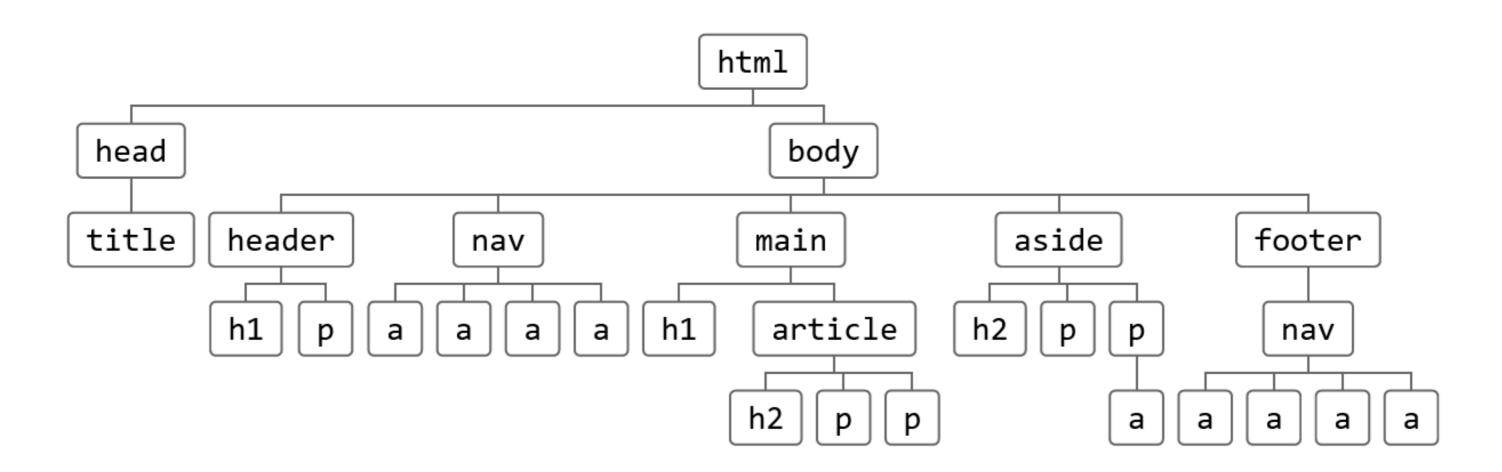
CSS is a language for specifying how documents are presented to users — how they are styled & laid out

Cascading Style Sheets is the recommended way to control the presentation layer in a web document.

The main advantage of CSS over presentational HTML markup is that the styling can be kept entirely separate from the content.

CSS also provides far better control over presentation than do presentational element types in HTML.

What is Cascading?



The "cascading" in CSS refers to the fact that styling rules "cascade" down from several sources. This means that CSS has an inherent hierarchy and styles of a higher precedence will overwrite rules of a lower precedence.

A CSS Rule

The first thing you do is select the element you want to style, in this case the element. Notice in CSS, you don't put <> around the name.

p {

Then you specify the property you want to style, in this case the element's background color.

_

And you're going to set the background-color to red.

background-color: red;

}

Place all the styles for the element in between {} braces.

There's a colon in between the property and its value.

At the end, put a semicolon.

We call the whole thing a RULE.

More Properties...

- You can add as many properties and values as you like in each CSS rule.
- To put a border around your paragraphs:

```
background-color: red;

border: 1px solid gray;

The  element will

have a border...

All you have to do is add another property and value.

in that is I pixel thick, solid, and gray.
```

Example

index.html

```
<!DOCTYPE html>
<html>
 <head>
    <meta charset="utf-8">
    <title>My CSS experiment</title>
    <link rel="stylesheet" href="style.css">
 </head>
 <body>
   <h1>Hello World!</h1>
   This is my first CSS example
 </body>
</html>
```

style.css

```
h1 {
  color: blue;
  background-color: yellow;
  border: 1px solid black;
}

p {
  color: red;
}
```



```
h1 {
  color: blue;
  background-color: yellow;
  border: 1px solid black;
}

p {
  color: red;
}
```

Two rules

```
h1 {
  color: blue;
  background-color: yellow;
  border: 1px solid black;
}
```

The first rule starts with an h1 selector, which means that it will apply its property values to the <h1> element. It contains three properties and their values:

- 1. The first one sets the text color to blue.
- 2. The second sets the background color to yellow.
- 3. The third one puts a border around the header that is 1 pixel wide, solid (not dotted, or dashed, etc.), and colored black.

```
p {
  color: red;
}
```

The second rule starts with a p selector, which means that it will apply its property values to the element.

It contains one declaration, which sets the text color to red.

```
h1 {
  color: blue;
  background-color: yellow;
  border: 1px solid black;
}

p {
  color: red;
}
```

```
<!DOCTYPE html>
<html>
 <head>
   <meta charset="utf-8">
   <title>My CSS experiment</title>
   <link rel="stylesheet" href="style.css">
 </head>
 <body>
   <h1>Hello World!</h1>
   This is my first CSS example
 </body>
</html>
```

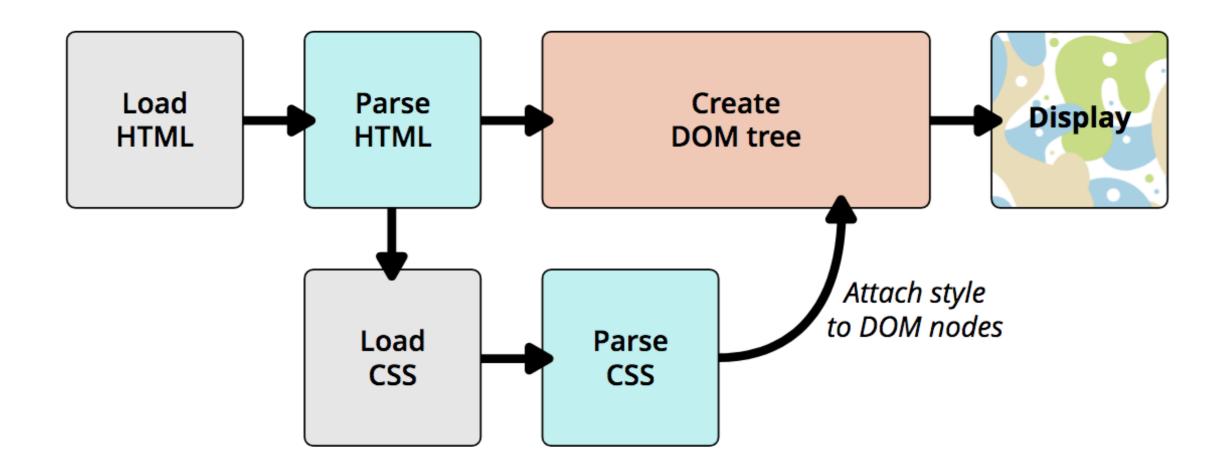
Hello World!

This is my first CSS example

Browser Render

```
<!DOCTYPE html>
<html>
 <head>
   <meta charset="utf-8">
   <title>My CSS experiment</title>
   <link rel="stylesheet" href="style.css">
 </head>
 <body>
   <h1>Hello World!</h1>
   This is my first CSS example
 </body>
</html>
```

How CSS Does it Work?



- 1. The browser converts HTML and CSS into the DOM (Document Object Model). The DOM represents the document in the computer's memory. It combines the document's content with its style.
- 2. The browser displays the contents of the DOM.

<link> element

Use the link element to "link in" external information.

The type of this information is "text/ess". In other words, a CSS style sheet.

And the style sheet is located at this href (in this case we're using a relative link, but it could be a full-blown URL).

<link type="text/css" rel="stylesheet" href="lounge.css" />

The rel attribute specifies the relationship between the XHTML file and the thing you're linking to. We're linking to a style sheet, so we use the value "stylesheet".

<link> is an
empty element

One Stylesheet - Multiple html pages

```
Index.html
<head>
 <title>App Store</title>
 <link type="text/css" rel="stylesheet" href="style.css" />
</head>
movies.html
<head>
 <title>Movies</title>
 <link type="text/css" rel="stylesheet" href="style.css" />
</head>
 music.html
 <head>
  <title>Music</title>
  <link type="text/css" rel="stylesheet" href="style.css" />
 </head>
```

Style.css

Rules

Selectors

Declarations

Properties

Values

CSS Rule

```
p {
    color: red;
    background-color: blue;
}
```

Selector and Declarations

```
p
{
    color: red;
    background-color: blue;
}
```

Properties & Values

```
p {
    color red;
    background-color: blue;
}
```