CSS Basics









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, sunge offers free wireless access to the your laptop.

ir guarantee: at the lounge, we're committed to oviding you, our guest, with an exceptional perience every time you visit. Whether you're t stopping by to check in on email 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 Blurberry Bliss Ellxir on us.

light, join us in the backroom as our hoice selection of trance and drum&bass clous tiki-themed dance floor. Or just hang nfy white vinyl booths at the dance 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



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 immune system going all day and all night.



Chai Chiller

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



My Trip Around the USA on

Segway'n USA

August 20, 2012

← C 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 /

City Walla Walla, WA	Date	Temperature		ing places on	the way:
Magic City, ID	June 15th	Temperature 75	Altitude	Population	Diner Rating
	June 25th		1,204 ft	29,686	
Bountiful, UT	July 10th	74	5,312 ft	50	4/5
ast Chance, CO	July 23rd	91	4,226 ft	41,173	3/5
Truth or Consequences, NM		102	4,780 ft		4/5
	August 9th	93	-	265	3/5
	August 27th	98	4,242 ft	7,289	5/5
Ty, AZ					Tess 5/5
	August 18th	104	000		Tony 4/5
4, 2012	cities I visited	on my Segway	860 ft	480	3/5

July 14, 2012



My Trip Around the USA on a k » ≥ ou, ← → C fi ⑤ file:///chapter13/journal/journal.html June 2, 2012

I saw some Burma St



1/starbuzz/index.html

ITY COFFEE, QUALITY CAFFEINE

buzz Coffee, we are dedicated to filling all your caffeine hrough our quality coffees 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 Starbuzz coffee that you know will meet your caffeine standard

And, did we mention coffeine? We've just started funding the guys 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

"A man, a plan, a coffee bean". Okay, 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 Starbuzz on every corner.

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

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 Machine, and take the Starbuzz Coffee experience home.

© 2012, Starbuzz Coffee arks and registered trademarks appearing on this site are the property of their respective owners.



providing all the caffeine

you need to power your

life. just drink it

ORDER ONLINE with the BEAN MACHINE

FAST FRESH TO YOUR DOOR

Why wait? You can order all our fine coffees right from the Internet with our 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), package 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

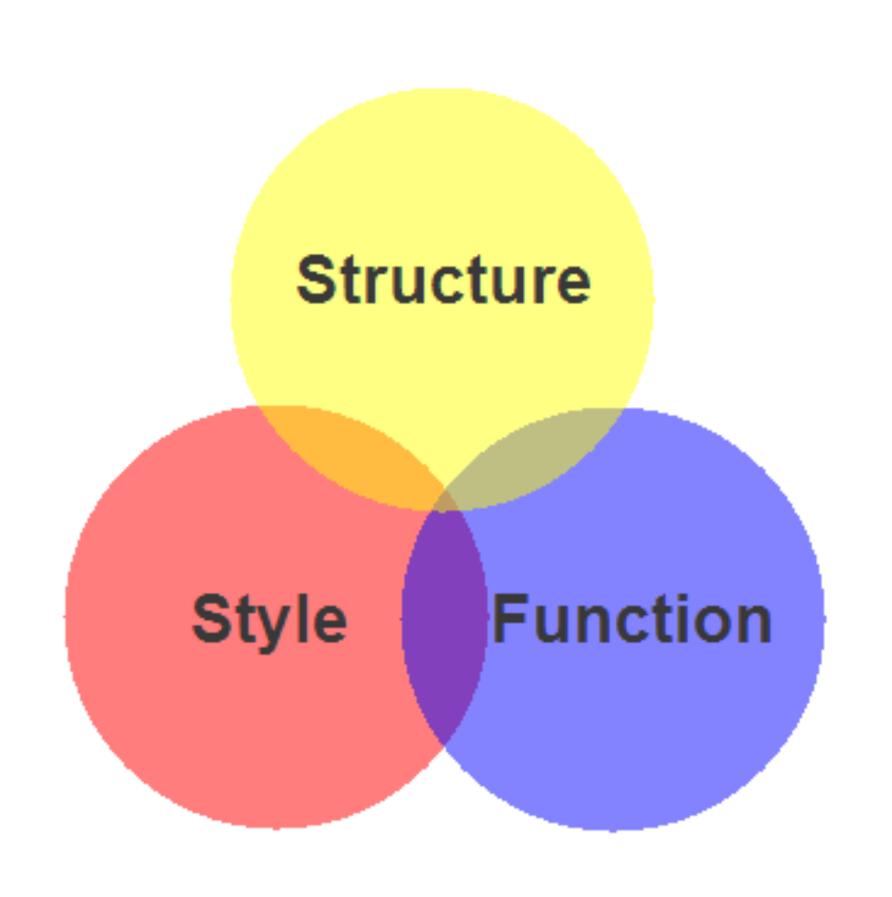
and a protein bar

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



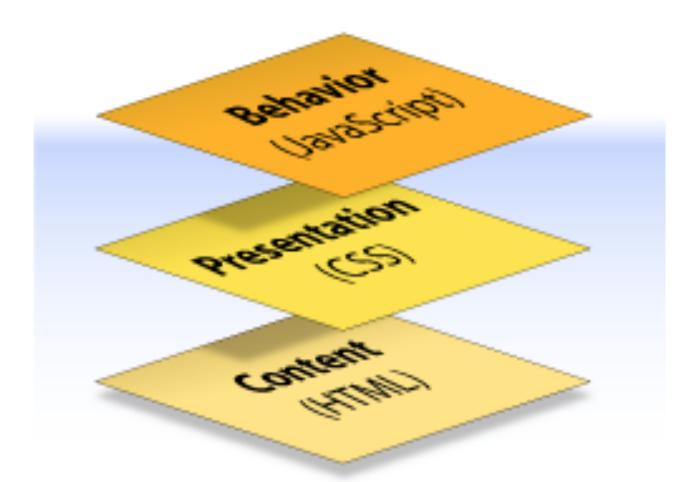
Markup, Style, Function

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



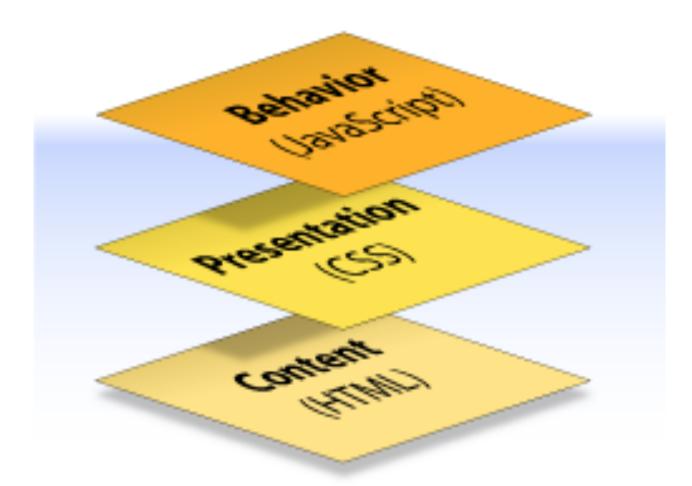
Content, Presentation, Behavior

- 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



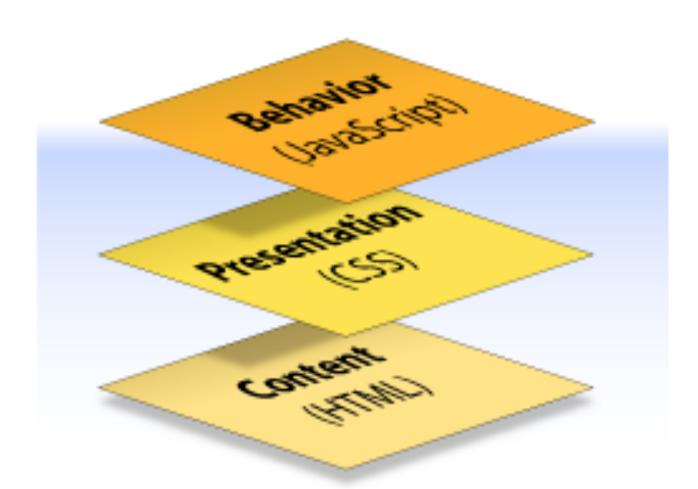
Content, Presentation, Behavior

- 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.



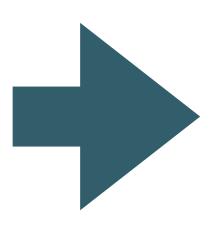
Separation of Concerns

- 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.

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>
```

Rules Applied to HTML document

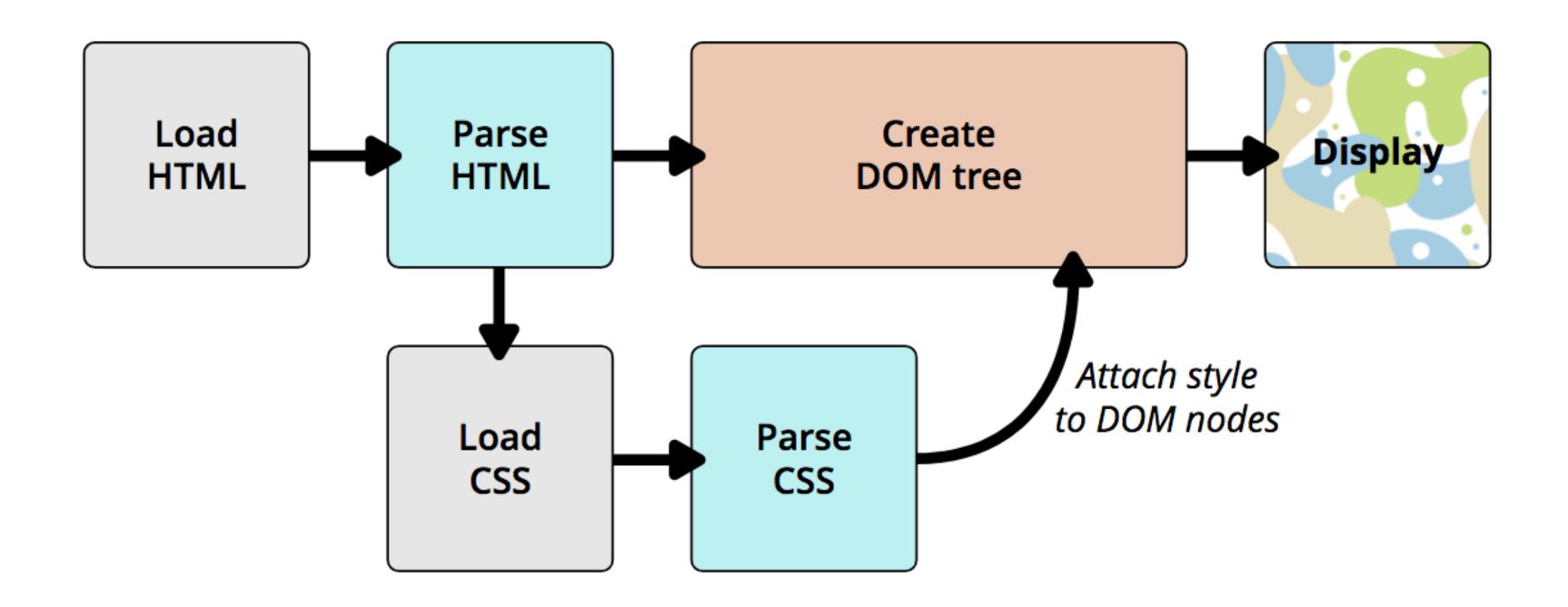
Hello World!

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/css". 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).

k 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;
}
```

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.

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

1

p

background-color: red;

}

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

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

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

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

...that is | pixel thick, solid, and gray.

All you have to do is add

another property and value.

All you have to do is add

another property and value.

another property and value.

another property and value.

bave a border.
```