

CSS Basics

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

Head First Lounge

Welcome to the Head First Lounge

The Head First Lounge is, no doubt, the biggest trend in the world. It's a place where you can enjoy a smooth mixture of tastes, textures, and colors with the best in the business. During your stay at the lounge, you'll enjoy a smooth mixture of tastes, textures, and colors with the best in the business. And, don't forget, the lounge offers free wireless access to the Internet.

Our Elixirs

Green Tea Cooler

Chock full of vitamins and minerals, this elixir combines the healthful benefits of green tea with a twist of chamomile blossoms and ginger root.

Raspberry Ice Concentration

Combining raspberry juice with lemon grass, citrus peel and rosehips, this icy drink will make your mind feel clear and crisp.

Blueberry Bliss Elixir

Blueberries and cherry essence mixed into a base of elderflower herb tea will put you in a relaxed state of bliss in no time.

Head First Lounge

to the Head First Lounge

...providing all the caffeine you need to power your life. just drink it.

Weekly Elixir Specials

Lemon Breeze

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 maté with chai spices and adds an extra chocolate kick for a caffeinated taste sensation on ice.

Segway'n USA

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

August 20, 2012

Well I made it 1200 miles already, and I passed through some interesting places on the way:

City	Date	Temperature	Altitude	Population	Diner Rating
Walla Walla, WA	June 15th	75	1,204 ft	29,686	4/5
Magic City, ID	June 25th	74	5,312 ft	50	3/5
Bountiful, UT	July 10th	91	4,226 ft	41,173	4/5
Last Chance, CO	July 23rd	102	4,780 ft	265	3/5
Truth or Consequences, NM	August 9th	93	4,242 ft	7,289	5/5
Why, AZ	August 18th	104	860 ft	480	3/5

The cities I visited on my Segway'n USA travels

Starbuzz Coffee

HOME BLOG INVENTIONS RECIPES LOCATIONS

BEVERAGES

- House Blend, \$1.49
- Mocha Cafe Latte, \$4.35
- Cappuccino, \$1.89
- Chai Tea, \$1.85

ELIXIRS

- Green Tea Cooler, \$4.99
- Raspberry Ice Concentration, \$4.99
- Blueberry Bliss Elixir, \$4.99
- Cranberry Antioxidant Blast, \$4.99
- Chai Chiller, \$4.99
- Black Raisin Brew, \$3.99

Gift wrap
Include catalog with order

Order Now

Starbuzz needs social media

3/10/2012

Here at Starbuzz we're embracing the social media craze. In fact, we're going further than any of our competitors and we're very close to announcing a revolutionary new product that will take your coffee drinking directly to your social network. Forget "checking in", we're going way beyond that, and with this new product every sip of smooth, aromatic, hot Starbuzz blend is going to be shared with your social network.

Sound like science fiction? It's not. It's already being tested in our final prototype social network app as I write this, which links you, the drinker, right to your favorite social networks. We've made a huge investment to make this happen and we've created a reusable coffee cup complete with RFID, NFC, Bluetooth, and WiFi (not to mention a few more things the tech folks know about, because hey, I'm just the coffee guy).

So, keep your eyes out for this amazing new cup. And I'll be releasing a video teaser soon to tell you all about this new invention, straight from Starbuzz Coffee.

Starbuzz uses computer science

3/10/2012

Have you ever noticed how efficient a Starbuzz Coffee house is? The lines always move fast, and despite the astronomical number of different drinks any customer can order, we have your drink up, hot (or cold if that's the way you want it) and ready in seconds. How do we do that?

To pull this off, we take advantage of the latest and greatest in computer science. In fact, we train our staff to be one big distributed computer. The customers create the orders for the distributed computer, complete with your name and the drinks special instructions. Then our specialized drink makers grab the next cup and go about working on your order until it's finished.

With this design, we are able to horizontally scale our operation any time we want. All we need to do is add more cashiers and drink makers (not to mention a fair amount of support staff you never see) as the customer flow grows.

Most unique patron of the month

2/18/2012

Our most unique patron of the month award goes to a customer in Peaslee, Washington, whose daily morning order is a "via-splenda, no-foam, 130-degree 100 fat-free latte, with the splenda stirred in before the milk is added." Do we have saucer customers or what?

...providing all the caffeine you need to power your life. just drink it.

CITY COFFEE, QUALITY CAFFEINE

Starbuzz Coffee, we are dedicated to filling all your caffeine needs through our quality coffees and teas. Sure, we want you to enjoy a great cup of coffee and a great coffee experience as well, but we're the only company that actively monitors and optimizes caffeine levels. So stop by and fill your cup, or order online with our Bean Machine online order form, and get that quality Starbuzz coffee that you know will meet your caffeine standards.

And, did we mention coffee? 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 palindromic, 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 roasters to create Starbuzz's Web presence, which is growing rapidly and helping to meet the caffeine needs of a whole new set of customers.

STARBUZZ COFFEE BEVERAGES

We've got a variety of caffeinated beverages to choose from at Starbuzz, including our House Blend, Mocha Cafe Latte, Cappuccino, and a favorite of our customers, Chai Tea.

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 Bean Machine, and take the Starbuzz Coffee experience home.

ORDER ONLINE with the BEAN MACHINE

FAST FRESH TO YOUR DOOR

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), packaged, and shipped 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), packaged, and shipped to your door.

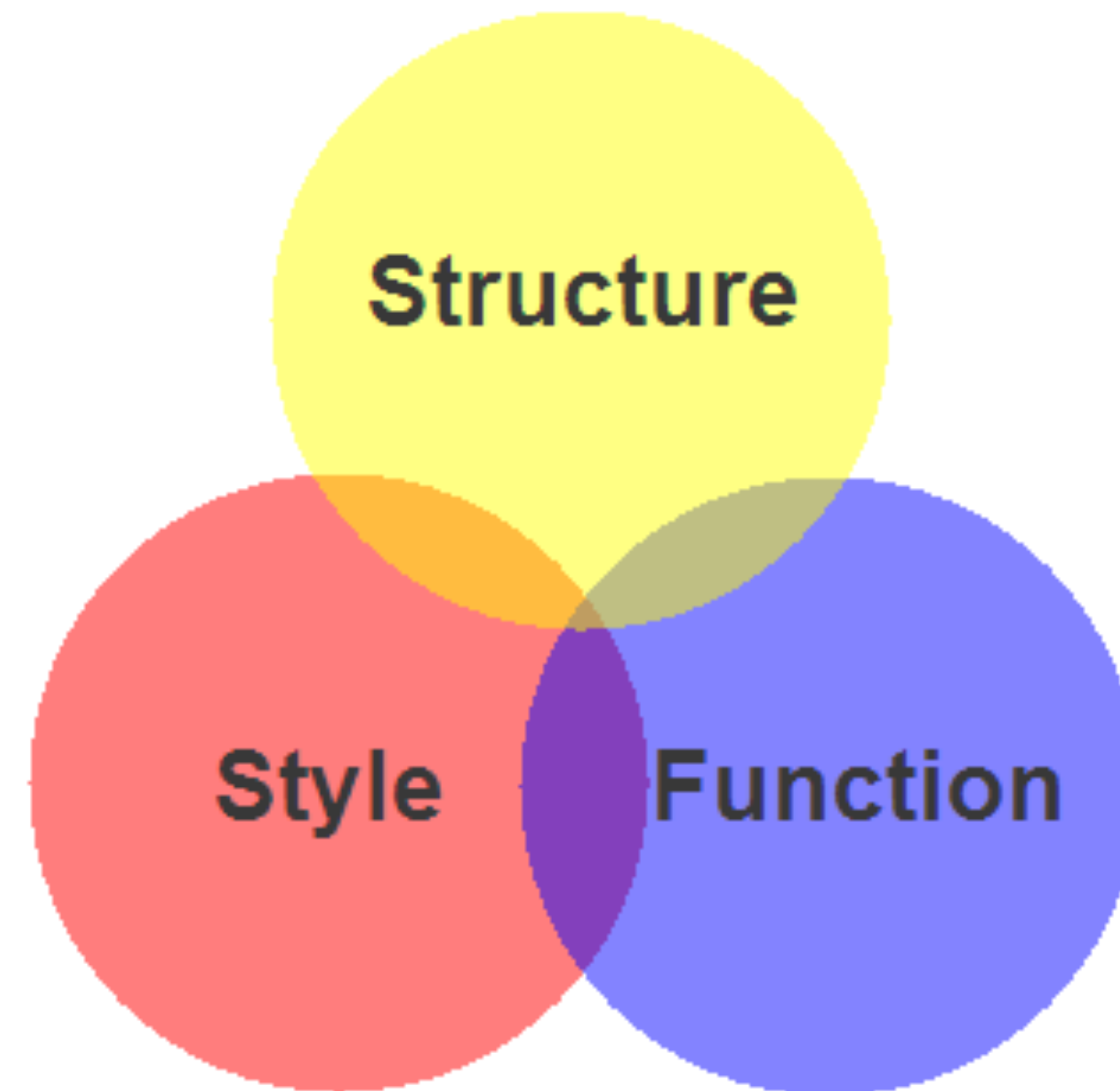
My first day of the trip! I can't believe I finally got everything packed and ready to go. Because I'm on a Segway, I wasn't able to bring a whole lot with me:

- cellphone
- iPod
- digital camera
- and a protein bar

Just the essentials. As Lao Tzu would have said, "A journey of a thousand miles begins with one Segway."

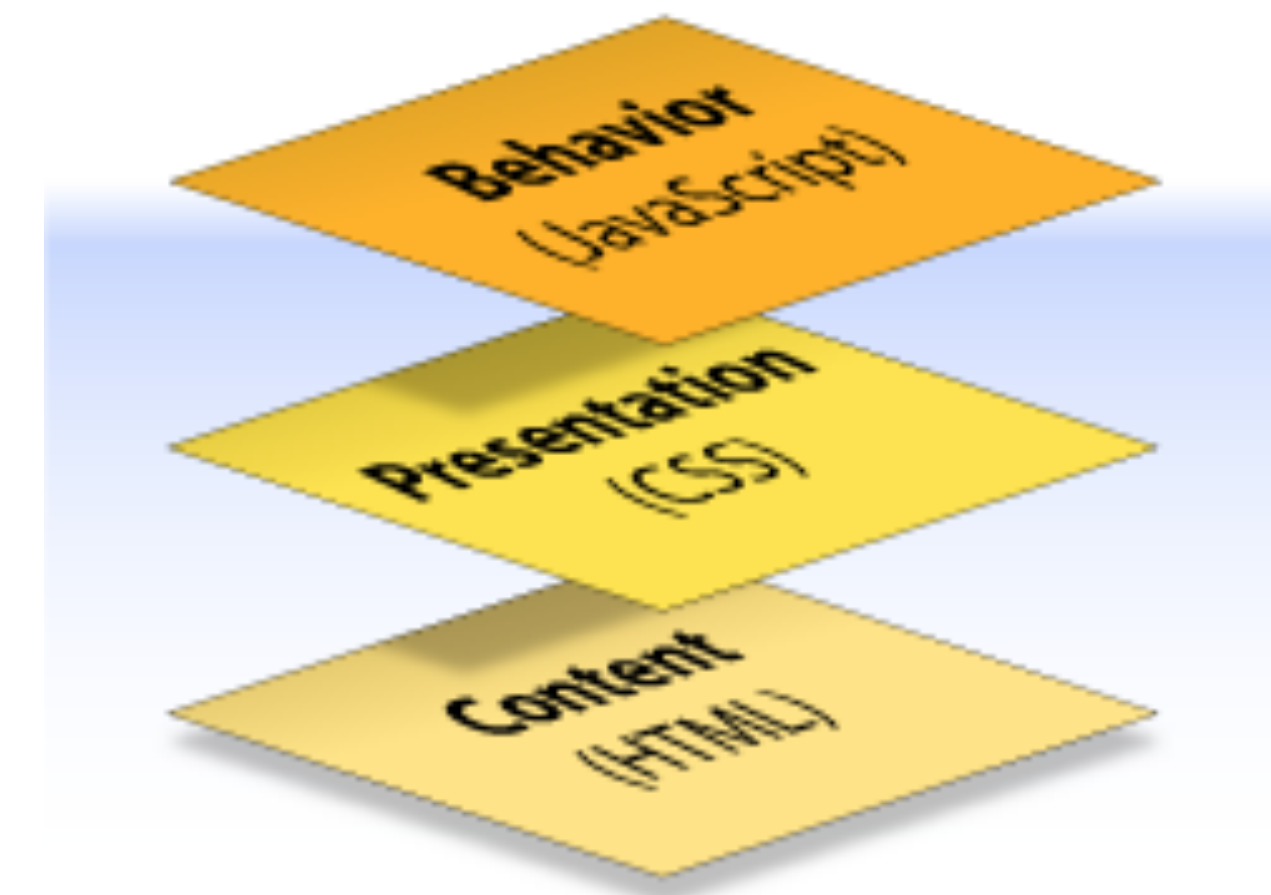
Markup, Style, Function

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



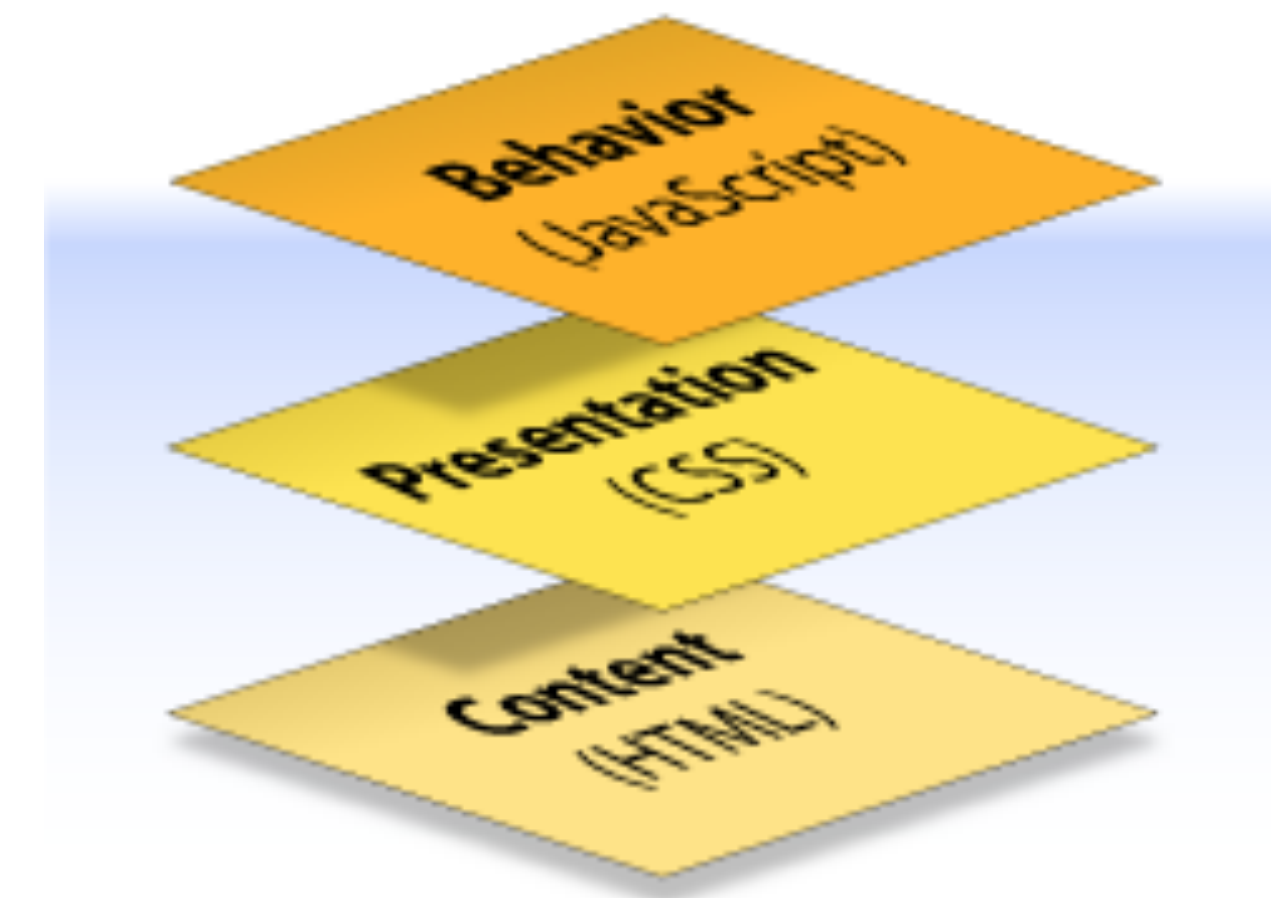
Content, Presentation, Behavior

- **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



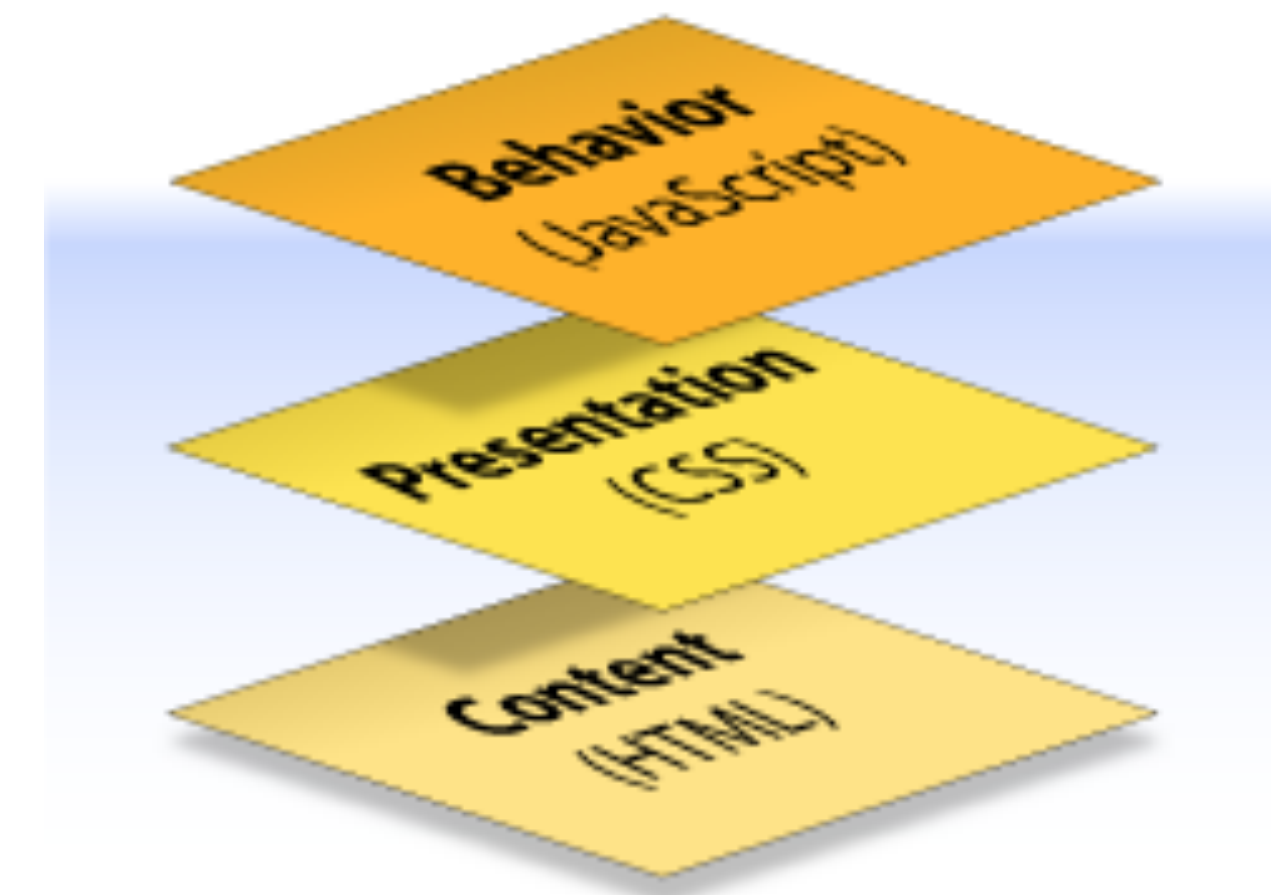
Content, Presentation, Behaviour

- **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.

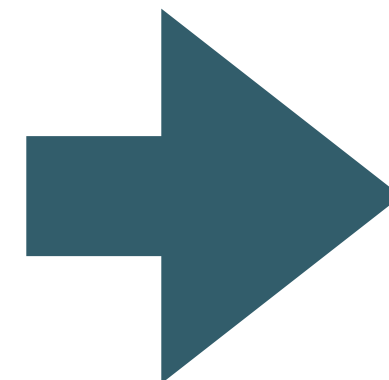


Separation of Concerns

- 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 *Presentation 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>
    <p>This is my first CSS example</p>
  </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 <p> 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>  
    <p>This is my first CSS example</p>  
  </body>  
</html>
```

Rules Applied to HTML document

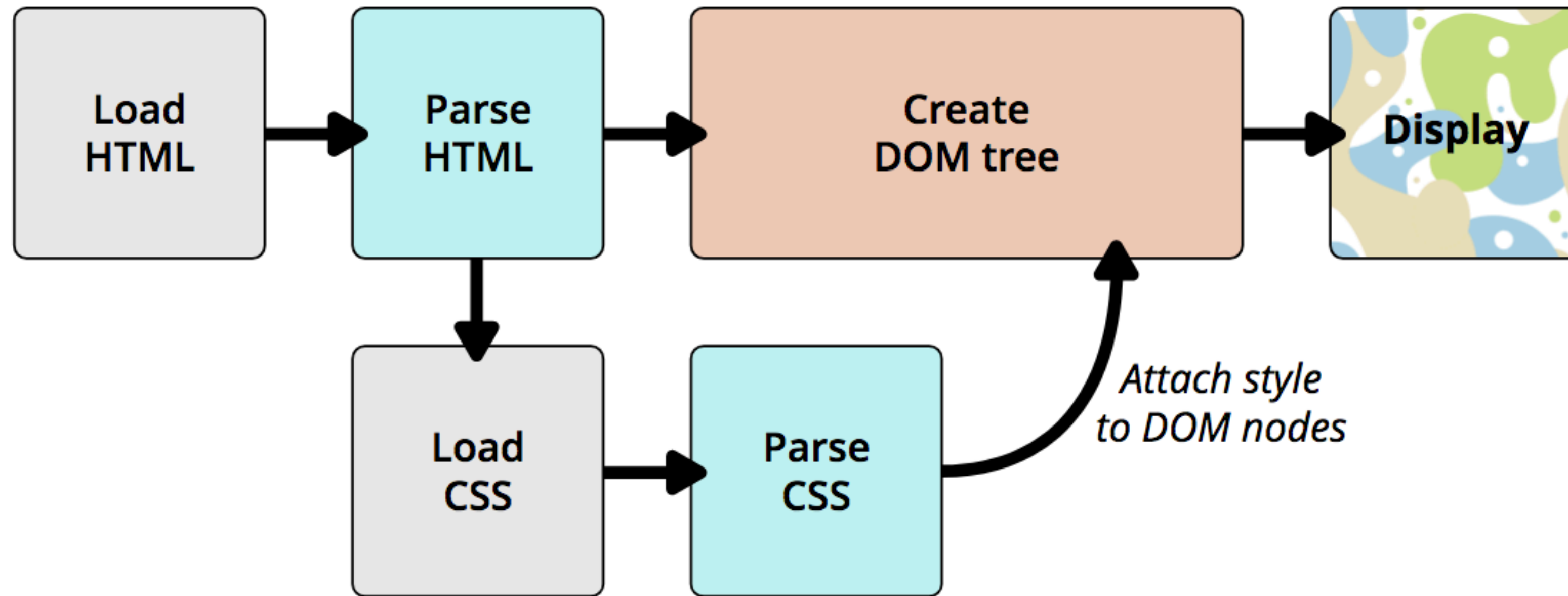
Hello World!

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>
    <p>This is my first CSS example</p>
  </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).

`<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

CSS Terminology

Rules

Selectors

Declarations


Properties

Values



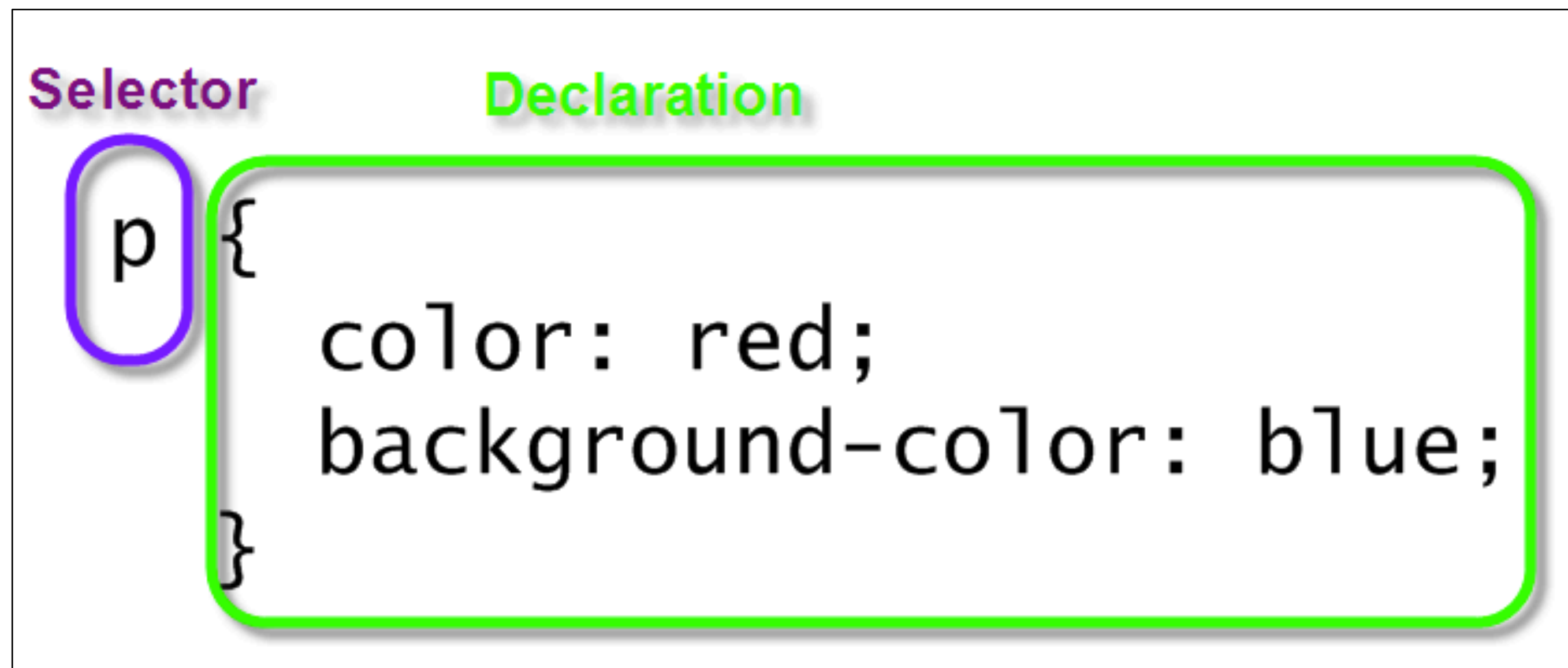
CSS Rule

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

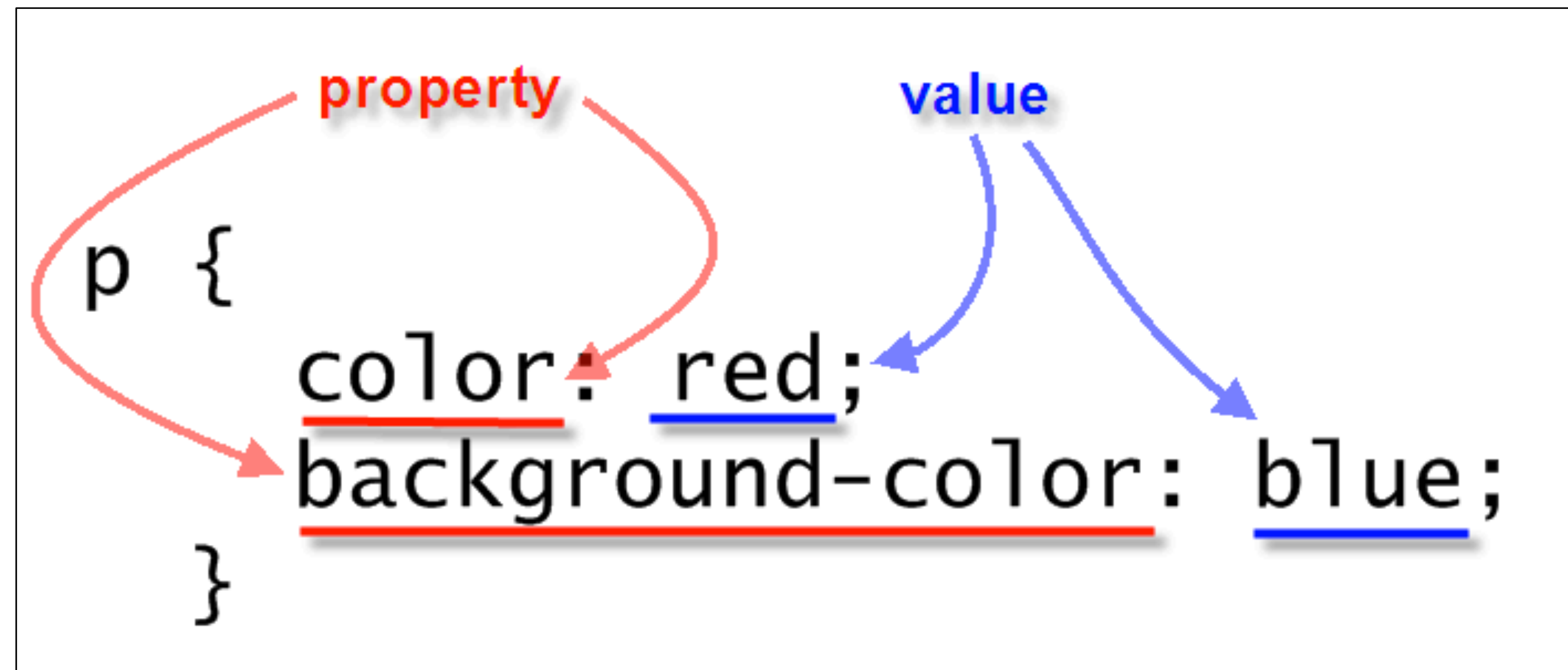


CSS
Rule

Selector and Declarations



Properties & Values



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

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

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

Place all the styles for the <p> 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.

You could

More Properties...

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

```
p {  
  background-color: red;  
  border: 1px solid gray;  
}
```

The <p> element will
have a border...

...that is 1 pixel thick, solid, and gray.

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

CSS Terminology

Rules

Selectors

Declarations

Properties

Values

