

HTML / CSS

Website layers

Behavior (JS)



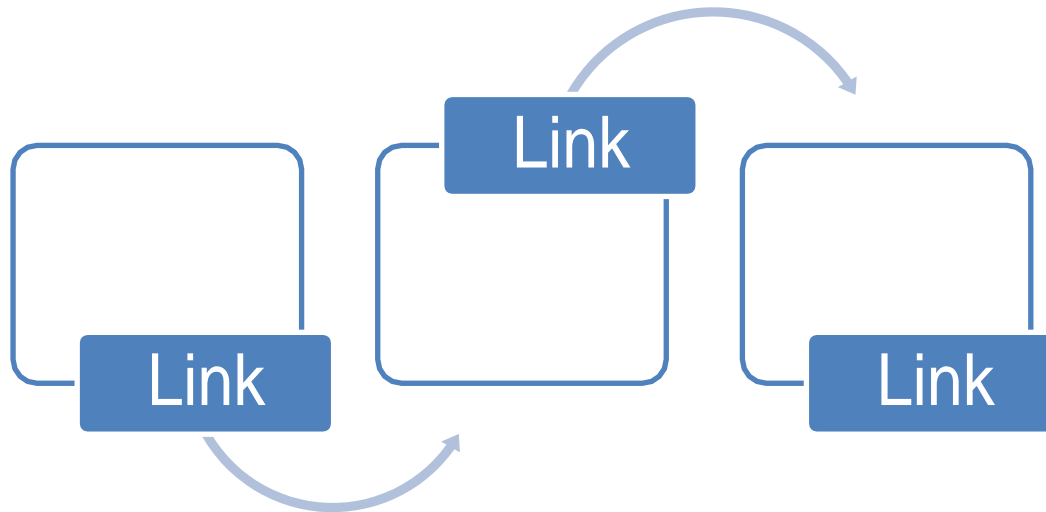
Presentation (CSS)



Content (HTML)

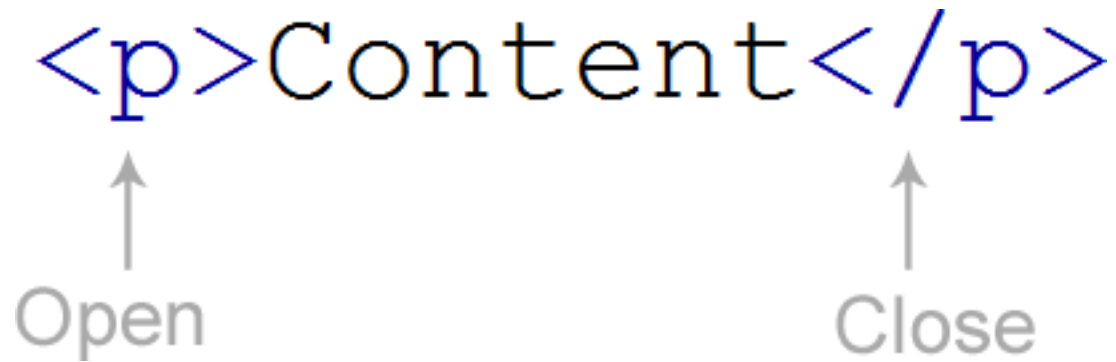
What is HTML?

Hyper Text Markup Language



Tags

`<p>Content</p>`



The diagram illustrates the structure of an HTML tag. It shows the code `<p>Content</p>` in a monospace font. The opening tag `<p>` and the closing tag `</p>` are highlighted in blue. Below the opening tag, the word "Open" is written in gray, with a gray arrow pointing upwards to the opening tag. Similarly, below the closing tag, the word "Close" is written in gray, with a gray arrow pointing upwards to the closing tag.

Open

Close

Nested Tags

```
<div>  
  <p>Content</p>  
</div>
```

Basic Structure

```
<!DOCTYPE HTML>  
<html>  
  <head></head>  
  <body></body>  
</html>
```

Head

```
<!DOCTYPE HTML>  
<html>  
  <head>  
    <title>Learn HTML</title>  
  </head>  
  <body></body>  
</html>
```

Preview



Body

```
<!DOCTYPE HTML>
<html>
  <head>
    <title>Learn HTML</title>
  </head>
  <body>
    <h1>My first page</h1>
    <p>Lorem ipsum dolor sit amet,
      consectetur adipiscing elit.
      ipsum dolor sit amet, consectetur
      adipiscing elit.</p>
  </body>
</html>
```

Preview



My first page

Lorem ipsum dolor sit amet, consectetur adipiscing elit. ipsum dolor sit amet, consectetur adipiscing elit.

Headers

`<h1>Header 1</h1>`

`<h2>Header 2</h2>`

`<h3>Header 3</h3>`

`<h4>Header 4</h4>`

`<h5>Header 5</h5>`

`<h6>Header 6</h6>`

Preview



Header 1

Header 2

Header 3

Header 4

Header 5

Header 6

Paragraph

```
<p>Lorem ipsum dolor sit amet, consectetur  
adipiscing elit. ipsum dolor sit amet,  
consectetur adipiscing elit.</p>
```

```
<p>Lorem ipsum dolor sit amet, consectetur  
adipiscing elit. ipsum dolor sit amet,  
consectetur adipiscing elit.</p>
```

Preview



Lorem ipsum dolor sit amet, consectetur adipiscing elit. ipsum dolor sit
consectetur adipiscing elit.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. ipsum dolor sit
consectetur adipiscing elit.

Lists

```
<ul>  
  <li>List item</li>  
  <li>List item</li>  
  <li>List item</li>  
</ul>
```

```
<ol>  
  <li>List item</li>  
  <li>List item</li>  
  <li>List item</li>  
</ol>
```

Preview



- List item
- List item
- List item

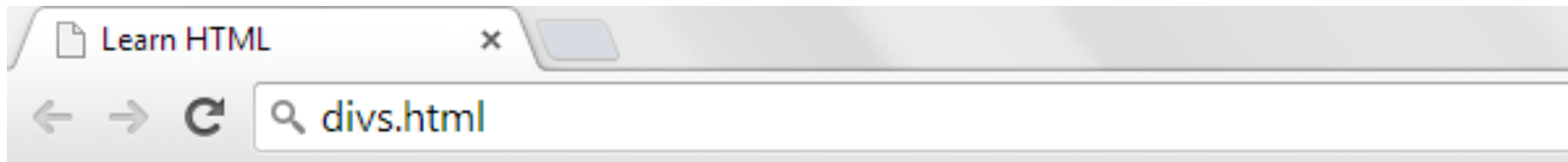
1. List item
2. List item
3. List item

Div

```
<div>  
  <h1>Division Header</h1>  
  <p>Division Paragraph</p>  
</div>
```

```
<div>  
  <h1>Division 2 Header</h1>  
  <p>Division 2 Paragraph</p>  
</div>
```

Preview



Division Header

Division Paragraph

Division 2 Header

Division 2 Paragraph

Block elements

BLOCK ELEMENTS EXPAND NATURALLY



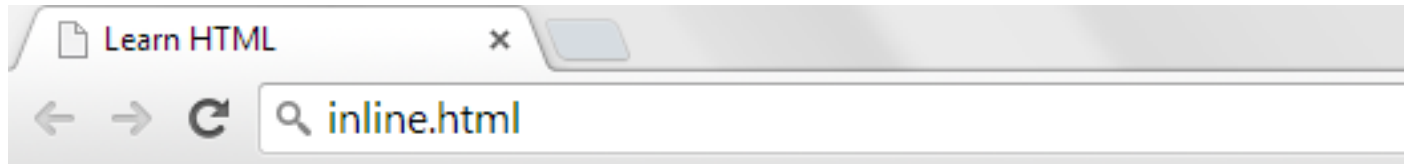
AND NATURALLY DROP BELOW OTHER ELEMENTS



Inline elements

```
<p>This paragraph contains <strong>inline element</strong></p>
```

Preview



This paragraph contains **inline element**

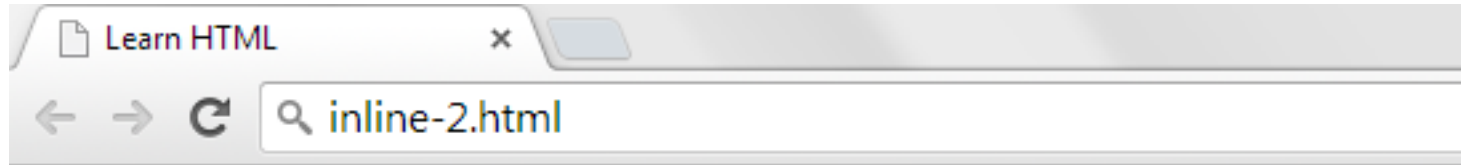
More Inline elements

```
<strong>Inline element</strong>
```

```
<em>Inline element</em>
```

```
<span>Inline element</span>
```

Preview



Inline element *Inline element* Inline element

Attribute

```

```

↑
Name

↑
Value

Add more info to tag

Preview



HTML 5 tags

`<header> ... </header>`

`<footer> ... </footer>`

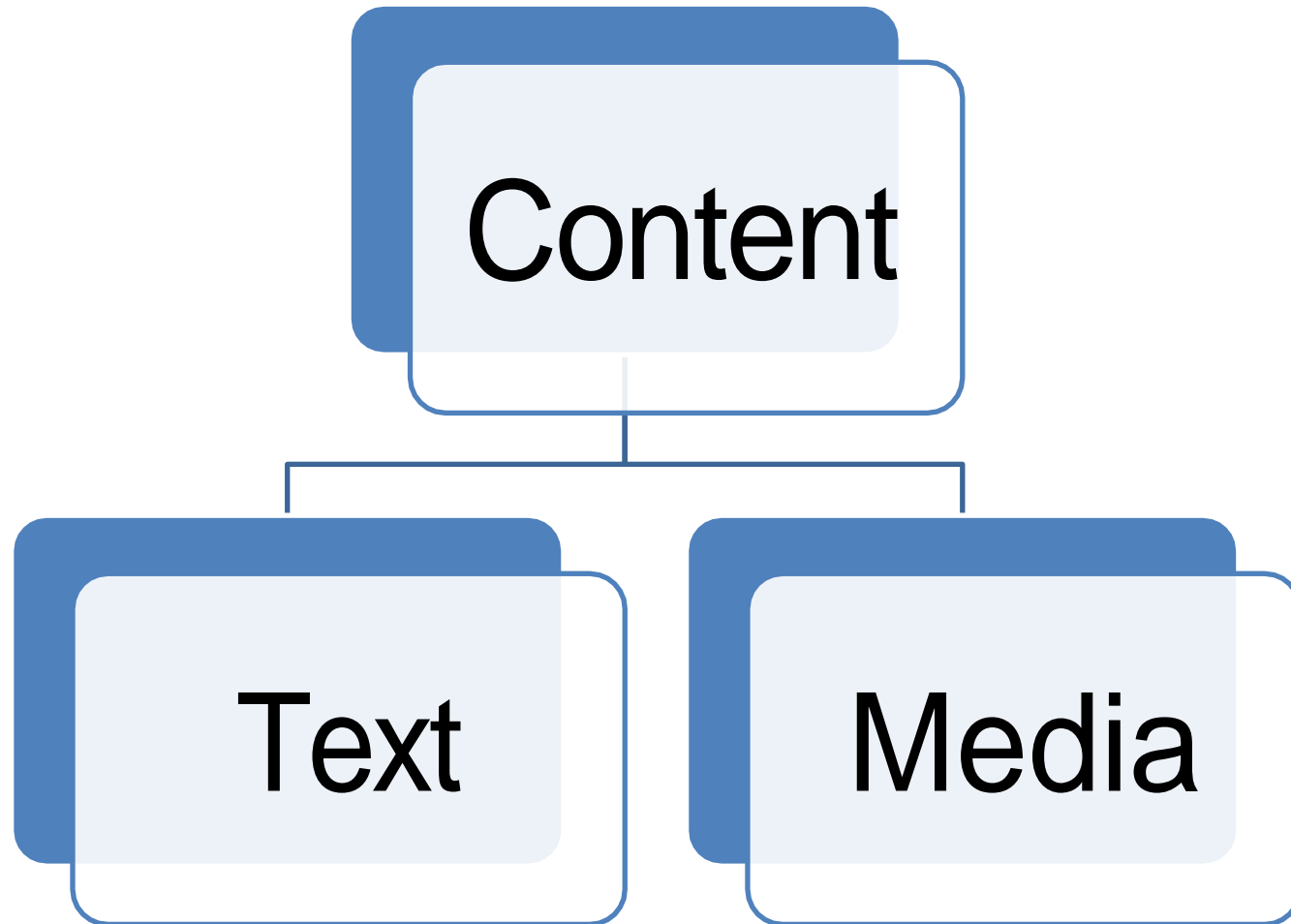
`<aside> ... </aside>`

`<nav> ... </nav>`

`<section> ... </section>`

`<article> ... </article>`

Semantic



CSS

What is CSS?

Cascading Style Sheets



Styles1

Styles2

Styles3

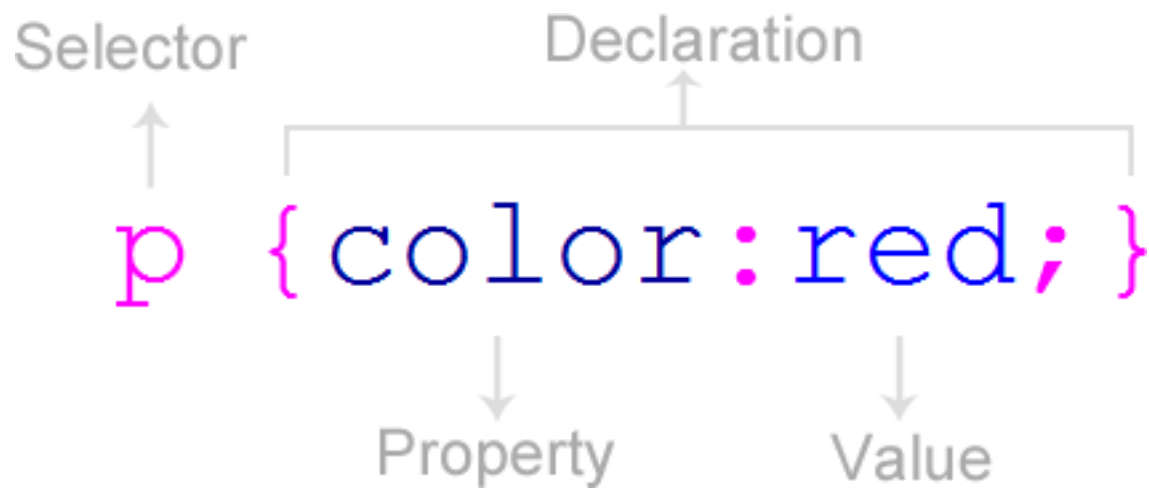
How to use it?

```
<head>  
  <title>Learn HTML</title>  
  <link rel="stylesheet" href="../stylesheets/styles.css">  
</head>
```

```
<style>  
  h1{color:red;}  
  p{font-size:14px;}  
</style>
```

```
<h1 style="color:red;">Selectors</h1>  
<p style="font-size:14px;">Lorem ipsum dolor sit  
amet, consectetur adipiscing elit. Maecenas non arcu  
ornare, fermentum erat ac, semper enim.</p>
```

Rules



Selectors

p

Element

.name

Class

#name

Id

Element Selector

```
<h1>My first page</h1>  
<p>Lorem ipsum dolor sit amet,  
consectetur adipiscing elit.  
ipsum dolor sit amet, consectetur  
adipiscing elit.</p>
```

```
h1 { color: red; }  
p { font-size: 20px; }
```

Preview



My first page

Lorem ipsum dolor sit amet, consectetur adipiscing elit. ipsum dolor
consectetur adipiscing elit.

Class Selector

```
<h1>My first page</h1>
```

```
<p class="intro">Lorem ipsum dolor sit amet,  
adipiscing elit. adipiscing elit.</p>
```

```
<p>Lorem ipsum dolor sit amet, consectetur  
adipiscing elit. adipiscing elit.</p>
```

```
h1{color:red;}  
p{font-size:20px;}  
.intro{color:green;}
```

Preview



My first page

Lorem ipsum dolor sit amet,consectetur adipiscing elit. adipiscing elit.

Lorem ipsum dolor sit amet,consectetur adipiscing elit. adipiscing elit.

ID Selector

```
<h1>My first page</h1>
```

```
<p id="intro">Lorem ipsum dolor sit amet,  
adipiscing elit. adipiscing elit.</p>
```

```
<p>Lorem ipsum dolor sit amet, consectetur  
adipiscing elit. adipiscing elit.</p>
```

```
h1 { color: red; }  
p { font-size: 20px; }  
#intro { color: green; }
```

Preview



My first page

Lorem ipsum dolor sit amet,consectetur adipiscing elit. adipiscing elit.

Lorem ipsum dolor sit amet,consectetur adipiscing elit. adipiscing elit.

2 Rules

```
<h1>My first page</h1>
```

```
<p id="intro" class="intro">Lorem ipsum dolor  
adipiscing elit. adipiscing elit.</p>
```

```
<p>Lorem ipsum dolor sit amet, consectetur  
adipiscing elit. adipiscing elit.</p>
```

```
h1 { color: red; }  
p { font-size: 20px; }  
#intro { color: green; }  
.intro { color: blue; }
```

Preview



My first page

Lorem ipsum dolor sit amet,consectetur adipiscing elit. adipiscing elit.

Lorem ipsum dolor sit amet,consectetur adipiscing elit. adipiscing elit.

Specificity

1

Element

10

Class

100

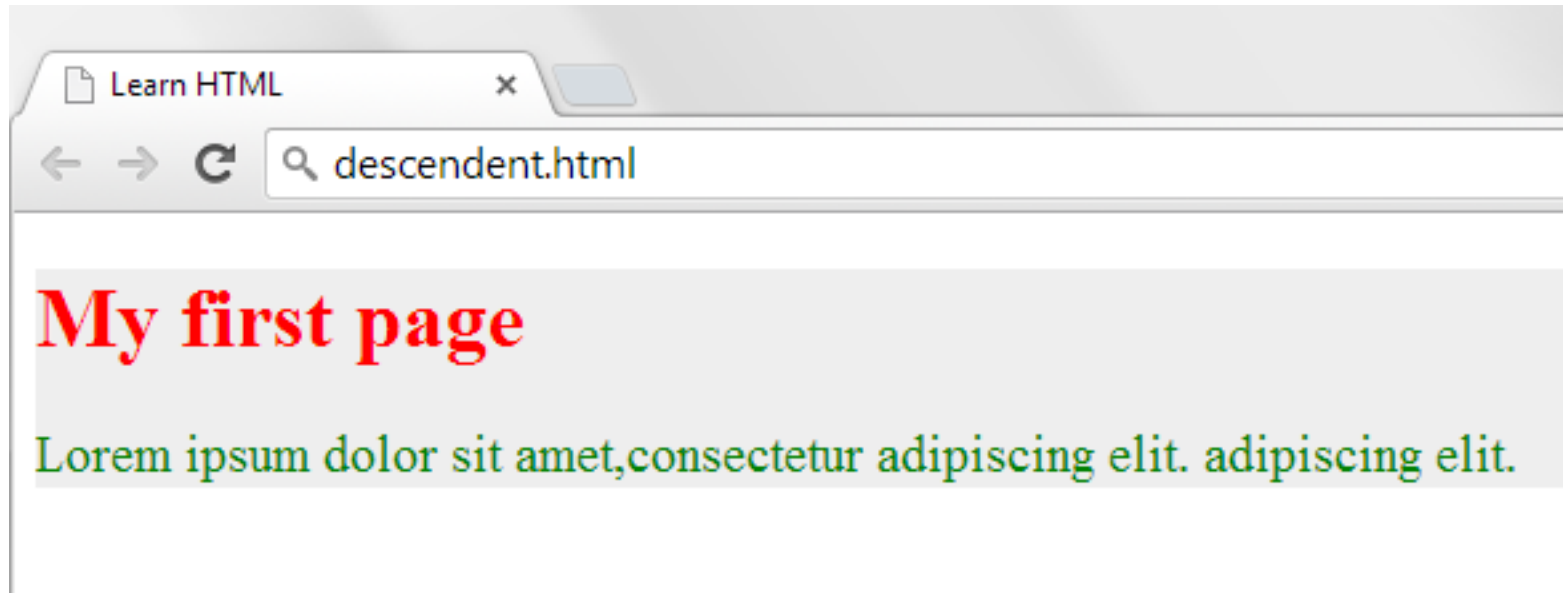
Id

Descendent Selector

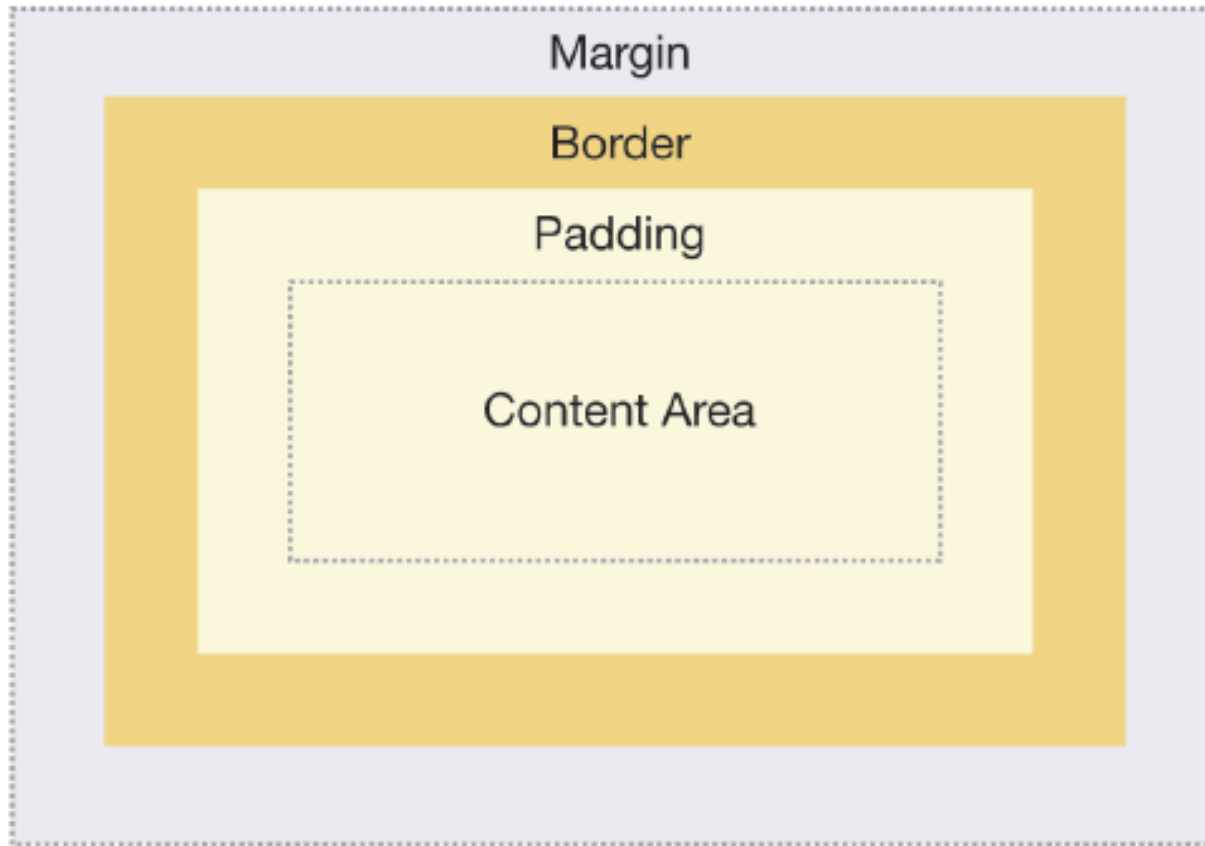
```
<div class="content">  
  <h1>My first page</h1>  
  <p>Lorem ipsum dolor sit amet, consectetur  
  adipiscing elit. adipiscing elit.</p>  
</div>
```

```
.content { background:#eee; }  
.content h1 { color:red; }  
.content p { color:green; }
```

Preview



Box Model (Block)



Box Model (Block)

```
<div class="box1">box1</div>
```

```
<div class="box2">box2</div>
```

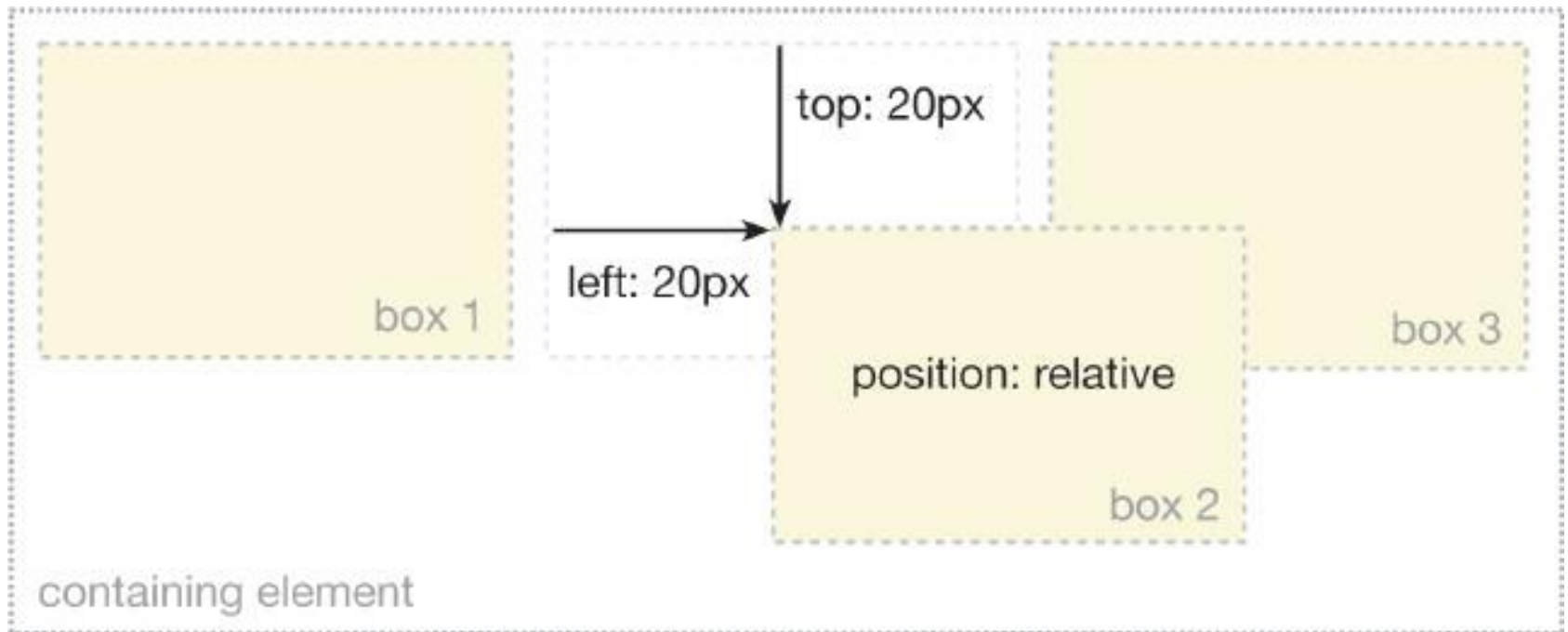
Box Model (Block)

```
.box1 {  
  background: red;  
  padding: 20px;  
  margin: 20px;  
  border: 5px solid black;  
}  
.box2 {  
  background: green;  
  padding: 20px;  
  margin: 20px;  
  border: 5px solid black;  
}
```

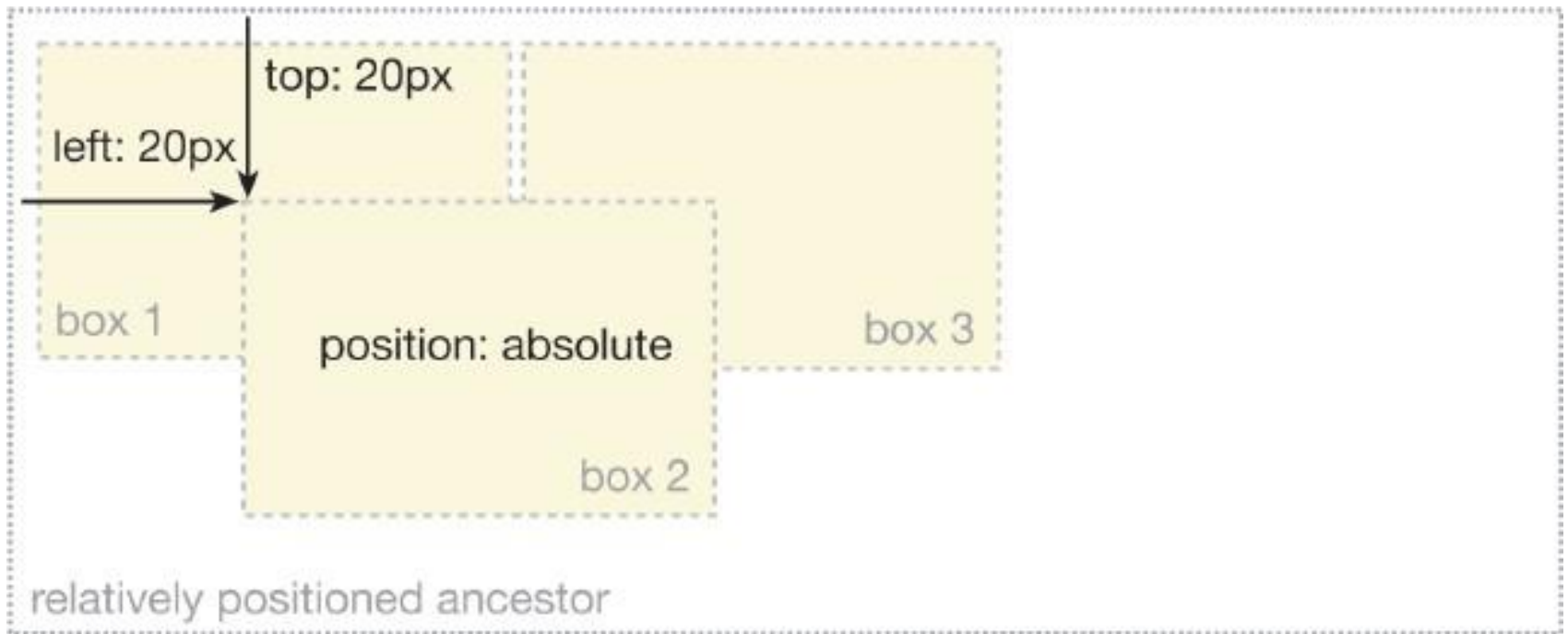
Preview



Relative Position



Absolute Position



Fixed Position

Home
About
Topics
Resume
Contact

SHOOK.CO

Site Updates

February 13, 2008 | 12:02

Just a heads up that I've updated the site a little so if anything is askew, be sure to let me know.

Updates include:

- Updated the styles on the comments
- Added an intro paragraph to the [posts page](#)
- E-mail notification checkbox state is maintained in preview (that should make you happy, Mark)
- You can now use 'rooster' in comments
- Moved MoveableType database from Berkeley to MySQL (which went fairly smoothly except when I erro'd out the first time I had to login to MySQL and delete the tables in order to reseed the preview)

COMMENTS
4 comment(s)

Jonathan Shook
February 13, 2008
02:27 PM

Actually, just noticed one small glitch as a result of changing databases: all notification subscriptions have been lost! Sorry folks.

Robert Minkov
February 14, 2008
07:17 AM

I am dumb with whitespace.

Mark Nathan
February 14, 2008
07:06 AM

Thanks, Jonathan!

Rob Martje
February 14, 2008
14:21 AM

Wow, nice. Styles look good!

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POST A COMMENT

Name
Andy Budd

Email Address
af@andybudd.com

Web Site URL
http://www.andybudd.com

Comments

Small notification

Preview Post

POST A COMMENT

Name
Andy Budd

Email Address
af@andybudd.com

Web Site URL
http://www.andybudd.com

Comments

Small notification

Preview Post

Thanks