

INFORMATION ORGANIZATION LAB

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GOALS

HANDS-ON EXPERIENCE

With concepts like those explored in Info 202



I SCHOOL TOOLBOX



JavaScript & jQuery



HTML5



CSS3

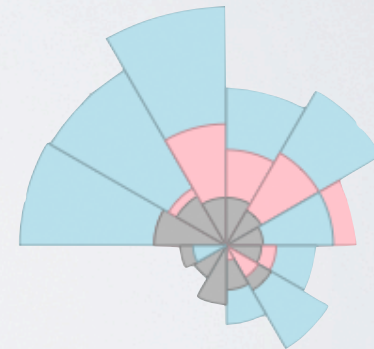


Python



git

Git



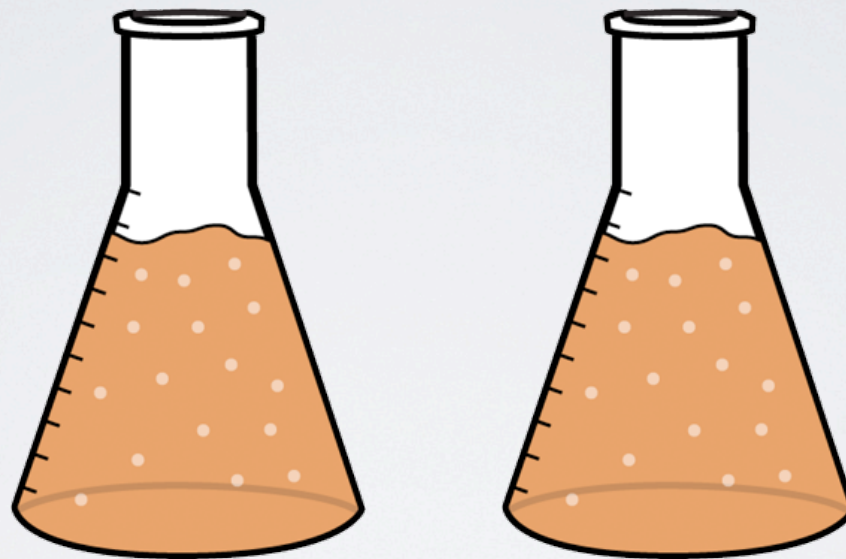
Visualization Toolkits

WHAT THIS COURSE *ISN'T*



A Traditional Class

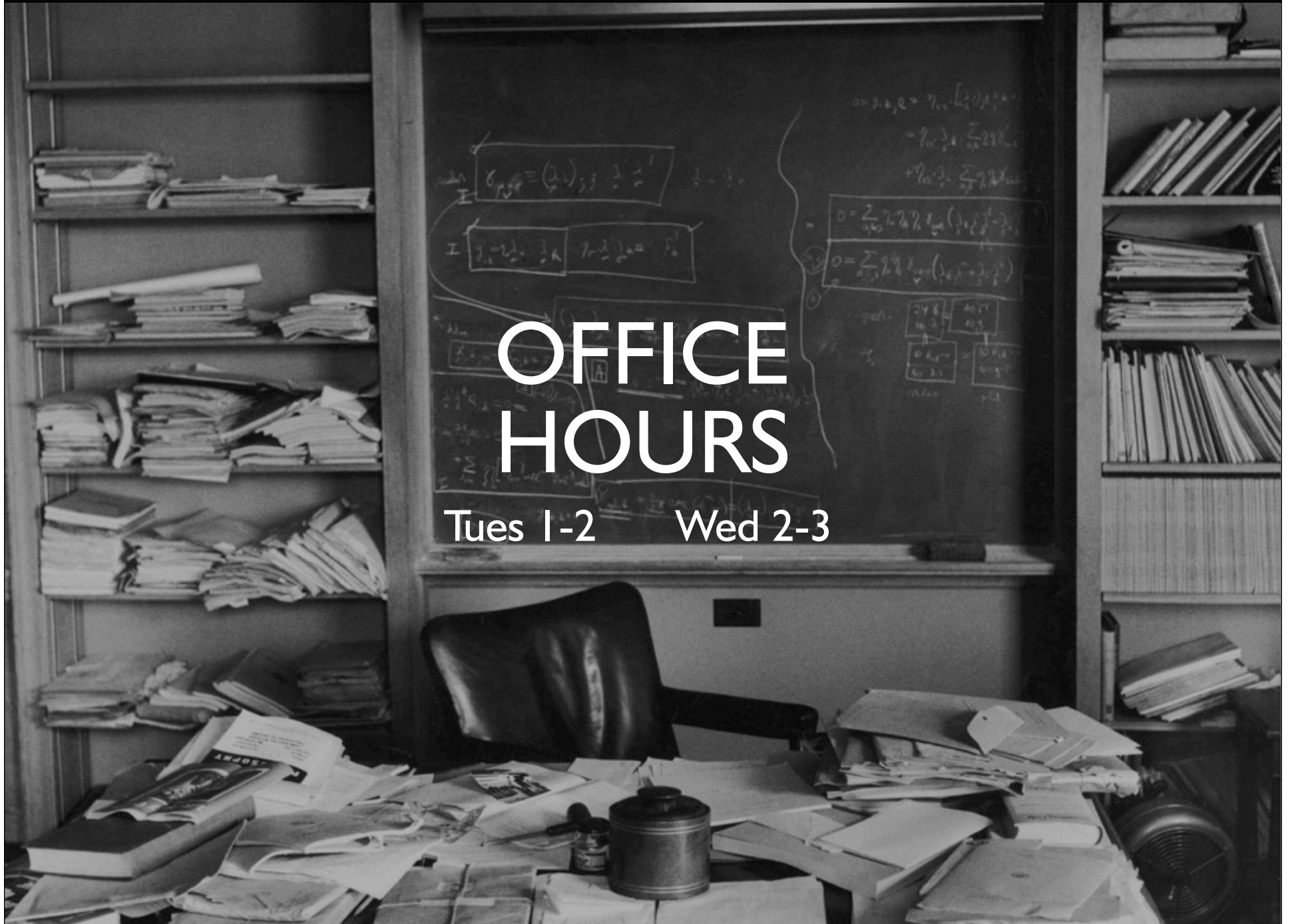
CLASS FORMAT



IO LAB LAB?

OFFICE HOURS

Tues 1-2 Wed 2-3





GRADING

SYLLABUS & PROJECTS

To the browser!

QUESTIONS

STUDENT INTRODUCTIONS

HTML

```
<p>This is a paragraph.</p>
```

```

```

```
<ol>
```

```
  <li>Item One</li>
```

```
  <li>Item Two</li>
```

```
</ol>
```

HTML

element

```
<p>This is a paragraph.</p>
```

```

```

```
<ol>
```

```
  <li>Item One</li>
```

```
  <li>Item Two</li>
```

```
</ol>
```

nested elements

HTML

tag

`<p>`

This is a paragraph.

closing tag

`</p>`

```

```

```
<ol>
```

```
<li>Item One</li>
```

```
<li>Item Two</li>
```

```
</ol>
```


HTML

```
<p>This is a paragraph.</p>
```

attribute

```

```

```
<ol>  
  <li>Item One</li>  
  <li>Item Two</li>  
</ol>
```

COMMON ELEMENTS

head	body
p	a
ul	ol
img	li
form	input
script	link
div	span

HTML

```
<body>  
  <p>This is <font face="Papyrus"  
size="+3">hideous!</font>  
  <form onsubmit="validateForm();">  
    <input type="submit">  
  </form>  
</body>
```

HTML

```
<body>
  <p>This is <font face="Papyrus"
size="13">hideous!</font>
  <form onsubmit="validateForm();">
    <input type="submit">
  </form>
</body>
```

HTML5

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML
    1.0 Strict//EN"
    "http://www.w3.org/TR/xhtml1/DTD/
    xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml"
    xml:lang="en" lang="en">

    <!DOCTYPE html>
    <html lang="en">
```

HTML5

```

```

```

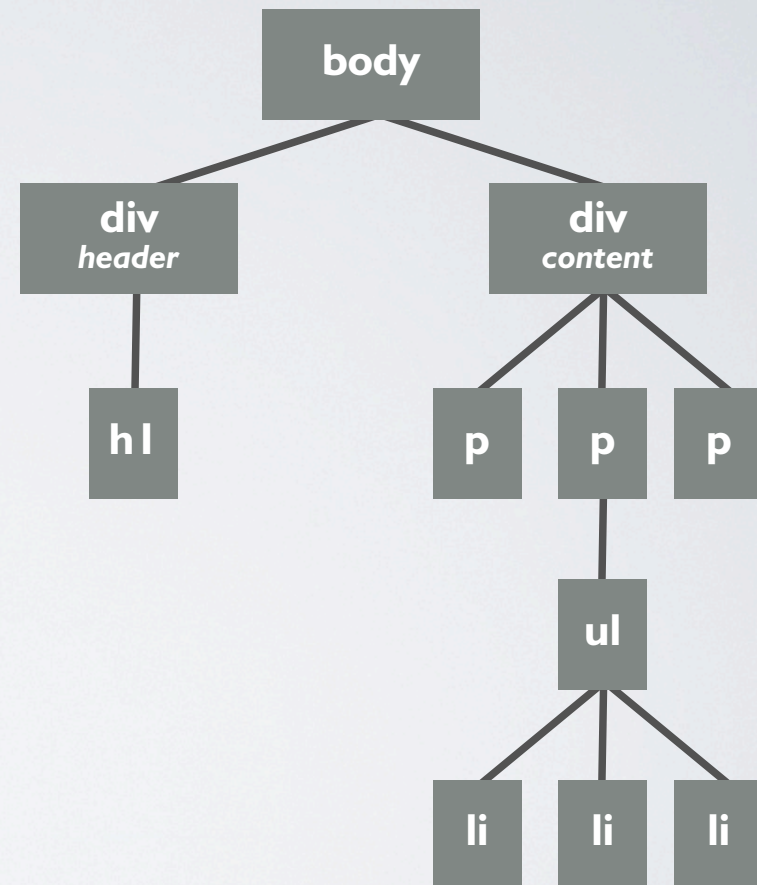
```

```

```

DOCUMENT OBJECT MODEL

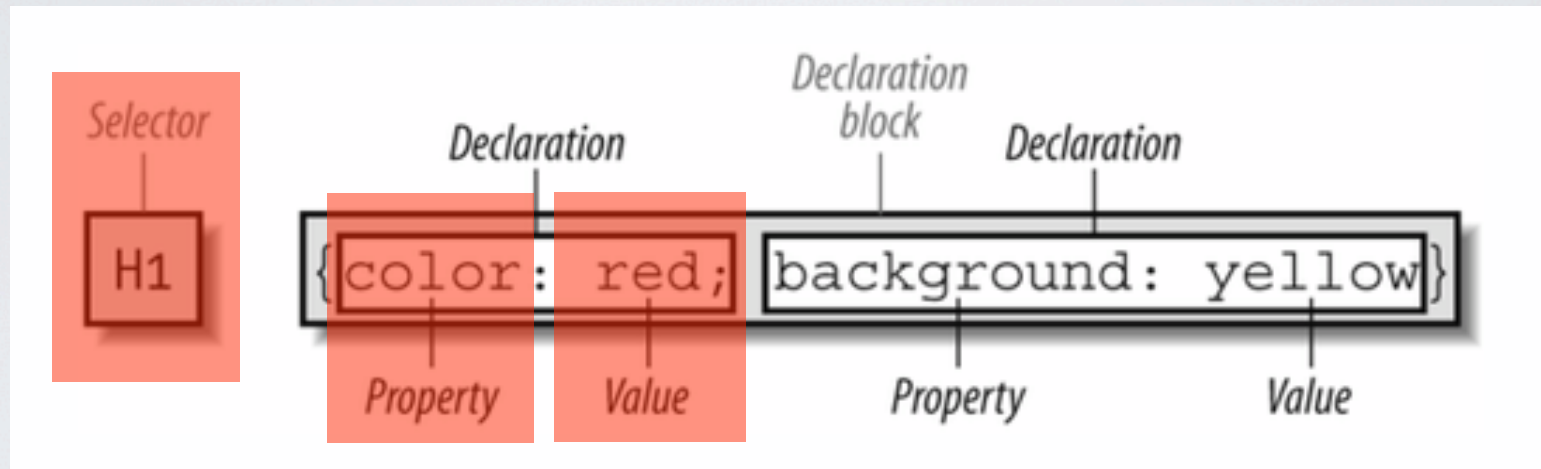
```
<html>
<body>
<div id="header">
  <h1>Document Object Model</h1>
</div>
<div id="content">
  <p>This is my first paragraph</p>
  <p>My second paragraph has a list:
    <ul>
      <li>Item One</li>
      <li>Item Two</li>
      <li>Item Three</li>
    </ul>
  </p>
  <p>This is the third paragraph</p>
</div>
</body>
</html>
```





CASCADING STYLE SHEETS

RULE STRUCTURE



From *CSS: The Definitive Guide*

SELECTORS

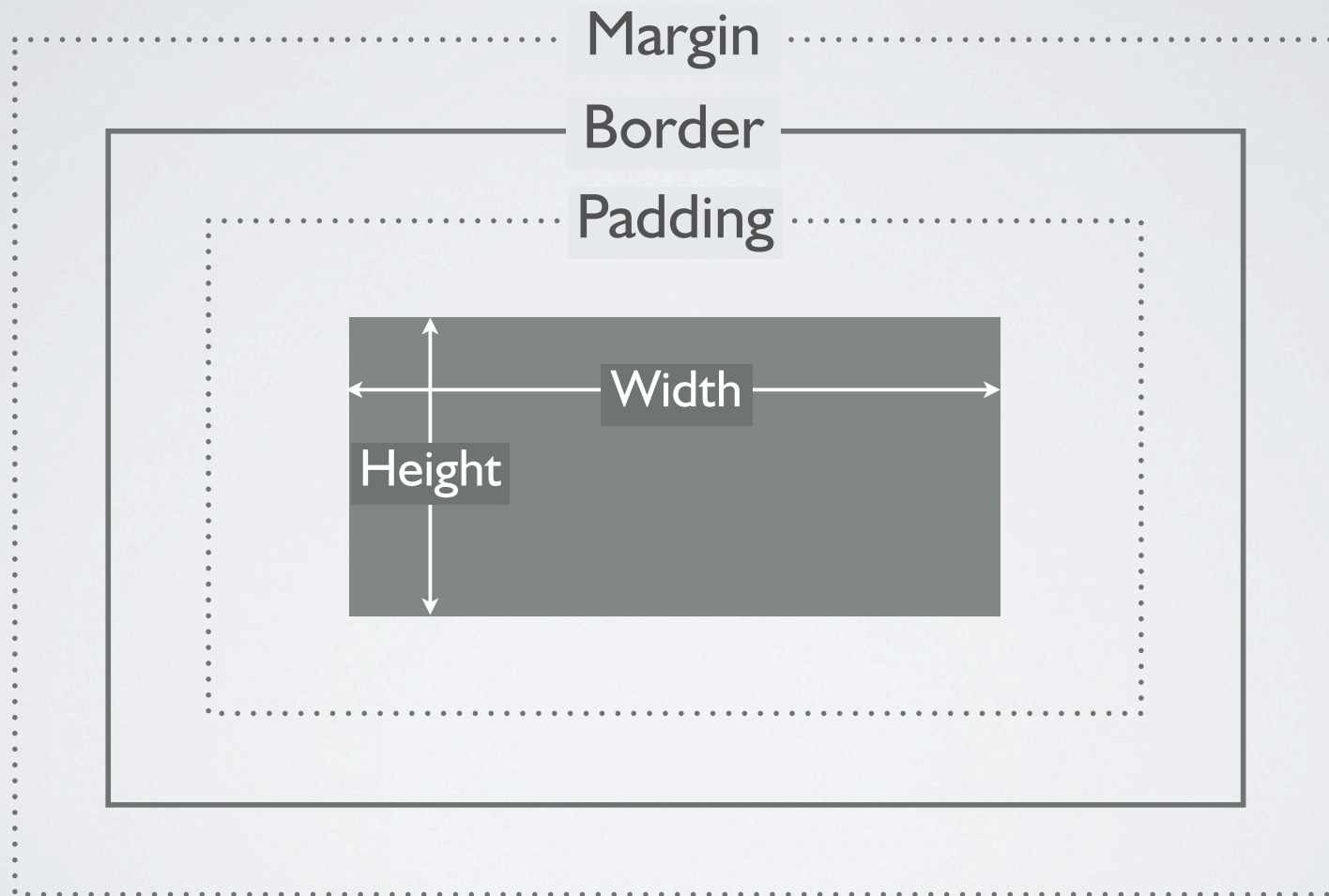
	CSS	HTML
Tag	p	<p>
Id	#header	id="header"
Class	.author	class="author"
Descendant	div p	<div> <p>

COMMON PROPERTIES

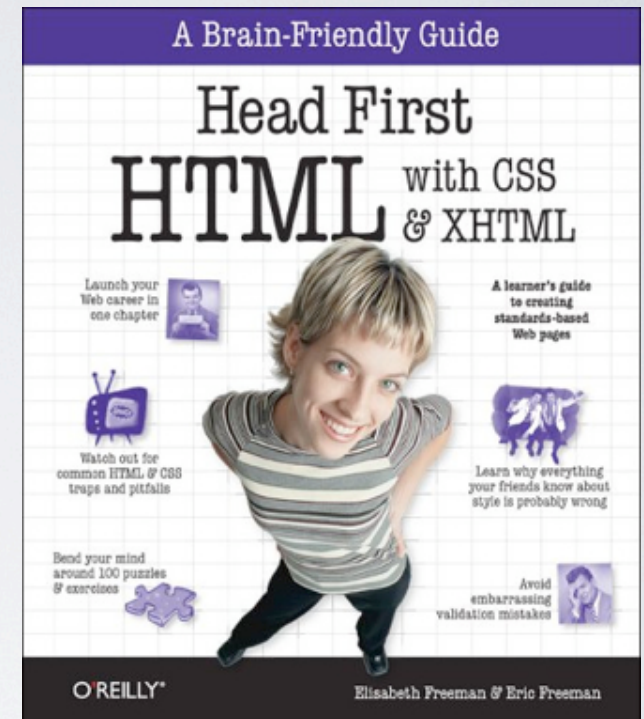
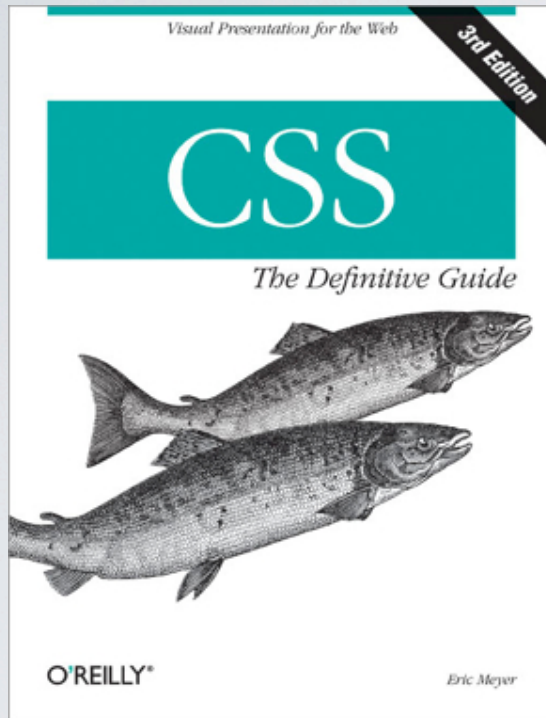
font-family	color	border	display
margin	font-size	width	padding
background	position	text-align	float

See <http://htmldog.com/reference/cssproperties/> for a good list of CSS2 properties.

THE BOX MODEL



CSS RESOURCES



Available free for students at <http://proquest.safaribooksonline.com>.

FOR NEXT TIME



Complete Mini-Assignment

You can find links to help with all of these on the course website at
<http://courses.ischool.berkeley.edu/i290-iol/fl12/>