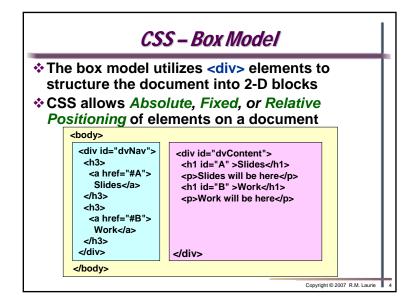


```
This is a test of setting various text style classes:
                                                                                                  Here is some Strong text
span and div Exan
                                                                                                  This is a test of H3 Bordered Red Text
                                                                                                   Back Back
 <head> <title> Border Example</title>
 <style type="text/css">/*<![CDATA[*/
   body { background-color: #FFFFCC; color: #990000; }
    p { font-family: Arial; font-size: 12pt; }
    h3 { color: #0000FF; }
    .MakeGreen { color: #00FF00 }
    .MakeRedAndBox { color: #FF0000; border: 8px #FF0000 double; }
 #Bck { font-size: 16pt; color: #00CC00; } /*]]>*/</style> </head>
 This is a test of setting various text style classes:<br/>
   Here is some <strong class="MakeGreen">Strong</strong> text,
         <br/>composition <p
  <h3>This is a test of <span class="MakeRedAndBox">H3 Bordered
   Red</span>Text</h3>
 <div id="Bck" class="MakeRedAndBox" style="height: 40pt">
    <img src="btBack.gif" height="29" width="59" alt="Back" />
    Back </div></body>
                                                                                                                                       Copyright © 2007 R.M. Laurie
```

```
<head> <title>Font Family Example</title>
2.
     <style type="text/css"> /*<![CDATA[*/
3.
       p { margin-top: 2pt; margin-bottom: 2pt; font-size: 16pt }
4.
       .Geo { font-family: "Georgia" }
                                      Different Font Families
5.
       .Ver { font-family: "Verdana" }
6.
       .Imp { font-family: "Impact" }
                                      Georgia = abcdef123ABCDEF
7.
       #Arl { font-family: "Arial" }
                                       Verdana = abcdef123ABCDEF
8.
       #Wd { font-family: "Wingdings"} Impact = abcdef123ABCDEF
       #Greek { font-family: "Symbol" }
                                      Arial = abcdef123ABCDEF
                                      Wingdings = ᢒ᠒MpΩM ↗ြౖౖౖౖౖౖౖౖౖౖౖౖౖౖౖౖౖౖౖౖౖౖౖౖౖౖౖౖ
    /*]]>*/ </style>
                                      Symbol = \alpha\beta\chi\delta\epsilon\phi123ABX\Delta E\Phi
11.
     </head>
     <body style="color: #999900" >
      <h2 class="Ver"> Different Font Families</h2>
14.
      Georgia = <span class="Geo">abcdef123ABCDEF</span>
      Verdana = <span class="Ver">abcdef123ABCDEF</span>
15.
16.
      Impact = <span class="Imp">abcdef123ABCDEF</span>
17.
      Arial = <span id="Arl">abcdef123ABCDEF</span>
18.
      Wingdings = <span id="Wings">abcdef123ABCDEF</span>
19.
      Symbol = <span id="Greek">abcdef123ABCDEF</span>
20.
     </body>
```



Measurement Specification

- Absolute Length Measurements
 - **♦12pt** 12 points (1 point = 1/72 inch)
 - ♦0.5in ½ inch
 - ♦1.25cm 1 ¼ centimeters
 - ◆16mm 16 milimeters
- ❖Relative Length Measurements
 - ◆152px 152 pixels
 - ♦18em 18 times the height of uppercase M
 - ♦24ex 24 times the height of lowercase x
 - ♦120% 120 percent of default size
- **❖Relative Font Specification**
 - ◆xx-small | x-small | medium | large | x-large | xx-large

Copyright © 2007 R.M. Laurie

Element Structural Properties

- **❖ See Appendix B for details**
- Element Position property
 - position: [absolute | fixed | relative];
- Element Placement properties
 - ♦ top: 10px; /* distance browser top to div top */
 - ♦ left: 20px; /* distance browser left to div left */
- Element size properties
 - ♦ height: 400px; /* height of div element */
 - ♦ width: 500px; /* distance browser right to div right */
- Element display property
 - display: [inline | block | list-item | none];

Copyright © 2007 R.M. Laurie

CSS - Absolute Positioning

- Absolute Positioning locates the contents of the <div> element to the coordinates specified by the top left properties
- Can define as inline style

❖ Can define Style Rule for CSS

#dvSymbol { position: absolute; right: 0; top: 40px; }

<div id="dvLogo">
<img src="../Logo.gif" width="100"
height="140" alt="Logo" /></div>



Copyright © 2007 R.M. Laurie

CSS - Fixed Positioning

- Fixed Positioning locates the contents of the <div> element to a fixed position in the window that is unaffected by scrolling
 - ◆ Excellent replacement for frame layouts
 - ◆ A W3C Standard and supported by Opera, Mozilla, and Netscape. Unfortunately not supported by IE <=6</p>

```
<style type="text/css">
```

body { color: #000000; margin: 0; padding: 0; background: #FFFF00 url(wpNMCMenu.gif) repeat-y;}

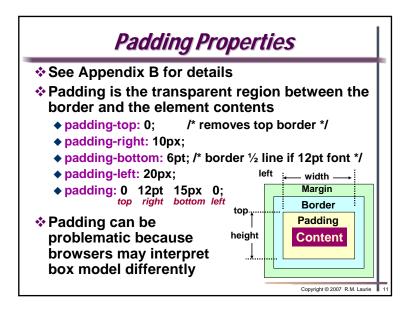
#dvNav { position: fixed; top: 0; left: 0; width: 130px;}
#dvContent { position: absolute; top: 0; left: 150px;

width: 500px;} </style>

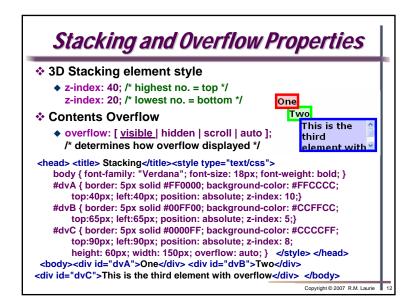


CS 222





Border Properties ❖ Border a colored region surrounding element /* removes top border */ ◆ border-top: 0; ♦ border-right: 10px; ◆ border-bottom: 6pt; /* border ½ line if 12pt font */ ♦ border-left: 20px; ♦ border-color: #00FF00; /* For bullet lists */ ♦ list-style-position: inside; /* default outside */ border-style: [dashed | none | solid | dotted | inset]; ♦ border-bottom-style: dotted; /* alternative to <hr /> */ ♦ border-width: 4px; ♦ border-left-style: double: Combined form font properties ♦ border: 2px solid #0000CC; width Copyright © 2007 R.M. Laurie



Floating and Aligning Properties

- Floating elements in a sea of text
 - ◆ float: [left | right]; /* position element & float text */
 - ◆ clear: [left | right | both]; /* prevents floating */
- Vertically Aligning elements
 - vertical-align: [baseline | middle | top | text-top | bottom | text-bottom];
- Rollover Effects
 - ◆ The next slide illustrates floating image to right
 - ♦ Borders are used and colored to as hover rollover

Copyright © 2007 R.M. Laurie

CSS Layout Exercises

- Utilize the CSS Box Model to design a 2 Dimensional Layout for your web pages that you created on your web site
- Utilize absolute, relative, and fixed positioning of elements on your web site.
- Use an Internal style sheet for your home page to control the presentation of the document. This needs to include absolute positioning of elements.
- For your resume page create a simulated frame layout using a right side vertical navigation bar that utilizes fixed positioning.
- Create an additional xhtml document that describes the topic you will be covering.
- Use an external CSS file to control the format for the topic section which requires the use of the link element.
- Upload all files to your web site using ftp.

Copyright © 2007 R.M. Laurie 1

Aligning Multiple Elements Using Class









 Using a CSS Class position properties can be assigned to multiple elements

```
a.rolloverImage img{
border: 3px solid #FFFFFF; float: right;
}
a.rolloverImage:hover img{ border: 3px outset
    #CCCC99 }
a.rolloverImage:active img{ border: 3px outset
    #FF9933 }
```

Designation of div element class

Mozilla Firefox - Mozilla's next generation
browser with extension architecture. 5 MByte
download.