DREAMWEAVER CS5
PART 2

An Introduction to CSS

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Course Objective

- Create a HTML webpage that incorporates Web 2.0 Standards
- Define Web 2.0
- Define "divs"
- Define CSS

What is Web 2.0?

- Guidelines for website production
  - Rich user experience, user participation, dynamic content, metadata, web standards and scalability
- Incorporates the use of
  - Divs
  - CSS
  - Multimedia
  - Javascript

What is a div

- Used for layout and placement
- What about tables?
  - Advantages
  - Disadvantages
- General Syntax
  - Just like HTML
  - <open>Content</close>
  - Example: <div class=Main_Content> Content </div>

What's really there
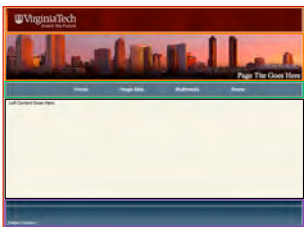
```
<div class="Main_Content">
    <div class="Header">
    </div>
    <div class="img_header">
    <p>Page Title Goes Here</p>
    </div>
    <div class="Navigation">
    <p align="center">Navigation Items</p>
    </div>
    <div class="Page_Content">
       <p>Page Content</p>
    </div>
    <div class="Footer">
       <p>Footer Content</p>
    </div>
</div>
```

So what's this CSS thing

- Cascading Style Sheet
- Provides formatting of elements for the entire site
  - Links, fonts, headers, etc.
  - Change one and you've got them all
- Not a perfect science
  - Trial and error
  - Flexible

A closer look

- General Syntax
  - Inline Styling
    - <p style="color:red; border:dotted">Content</p>
  - CSS – Classes and Elements
    - .Main_Content p{
        color: red;
        border: dotted;
      }
    - 1st: Define the area
    - 2nd: List your changes

Create Site in Dreamweaver

- Go to Shared Folder on Desktop
- Copy Exercise Site to your Desktop
- Open Dreamweaver
  - Create a new site

Setting Page Backgrounds

- Create a new page
  - Select File>New>Blank Page>HTML
- Setting the Page Background
  - Click the Page Properties button

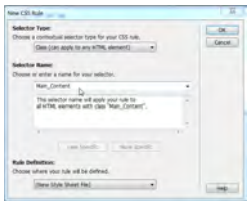 - Set the Background Color to Grey
    - #CCC
  - Click Apply and OK

Beginning the Process

- Inserting a Div
  - Select Insert>Layout Object>Div Tag
  - Click the New CSS Rule Button
- Creating a New Stylesheet
  - Enter the Following into the Dialog box>Click OK>Save

Creating Main_Content div styles

- Creating a Class Style
  - Using the dialog box that appears add the information shown in Appendix A, .Main_Content
  - Click Apply>OK>OK
- Creating an Element Style
  - Click the stylesheet button
  - Add the Information from Appendix A, .Main_Content p
    - .Main_Content indicates the Div
    - p indicates the element you are modifying in the Div (i.e. the paragraph tag)

Inserting the Header

- Highlight and Delete the Placeholder text.
- Insert>Layout Object>Div Tag>New CSS Rule
  - Sector Type: Class
  - Sector Name: Header
    - See Appendix A, .Header for Properties

Inserting the Image Header

- Below the Header Div add a new Div
  - Class Name: img_header
  - Properties: .img_header Section of Appendix
- Add a paragraph element style
  - Add the Information from Appendix A, .img_header p
    - .img_header indicates the Div
    - p indicates the element you are modifying in the Div (i.e. the paragraph tag)
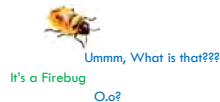
Creating Navigation

- Below the img_header Div add a new Div
  - Class Name: Navigation
  - Properties: .Navigation Section of Appendix
- Important Note:
  - Divs expand based on the text inside them, thus a height must be added for background images

Ummm, What is that???

It's a Firebug

O.o?

Creating the Content Well

- Below the Navigation Div add a Page_Content Div
  - Class Name: Page_Content
  - Properties: .Page_Content
- Note: Dreamweaver doesn't know it all, sometime you have to take control.
  - (i.e. min-height: 240px)
  - W3schools: www.w3schools.com

Creating the Footer & Finishing Up

- Below the Page_Content Div add a new div
  - Class: Footer
  - Properties: .Footer
- Centering your page
  - Prebuilt centering doesn't exist
  - An ingenuitive solution does exist.

Closing Remarks

- Firebug
  - A Firefox extension for CSS Manipulation
- W3 Schools
  - CSS Reference Website
  - http://www.w3schools.com
- University Relations Branding
  - Color Palette
    - http://www.unirel.vt.edu/web/guidelines/web-palette/index.html
  - Web Guidelines
    - http://www.unirel.vt.edu/web/guidelines/index.html
  - Branding Images
    - http://www.branding.unirel.vt.edu/web_guidelines.php

Need Help/More Info

- Dreamweaver Part 3 Course Available
- Resources
  - Lynda.vt.edu
    - https://www.fdi.vt.edu/online-resources/support_skills/essential-skills.html
    - Dreamweaver CS6 Essential Training
    - CSS Fundamentals
    - CSS: Core Concepts
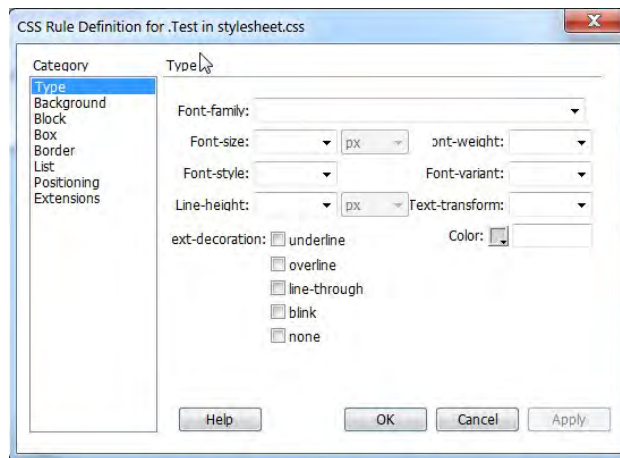 - InnovationSpace
    - 1140 Torgersen Hall

Dreamweaver CS4
CSS Dialog Box Fields Explanations
Type Fields:

Font-Family: Specifies the font used.
Note: Three are listed; The OS determines the one used.
Font Size: Specifies the size of the font used.
Font-weight: Specifies the level of bold.
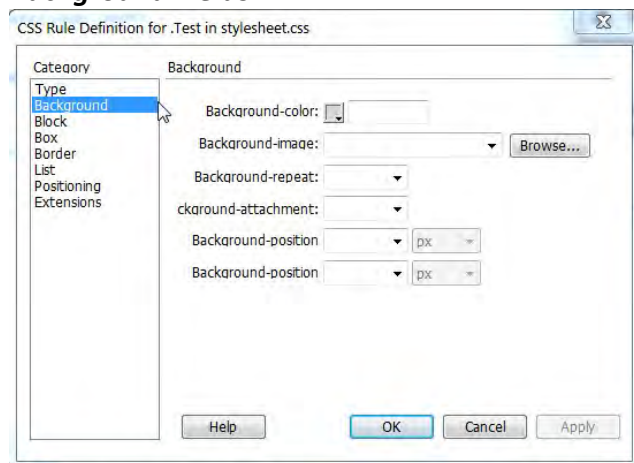**Font-style:** Turns Italics on or off.
Font-variant: Turns small caps on or off.
Line-height: Determines the amount of spacing between the lines of text.
Text-transform: Determines the case type of the font (i.e. Upper case).
Ext-decoration: Adds additional styling for fonts.
Color: Specifies the color of the font.

Background Fields:

**Background-color:** Determines the color of the background.
Background-images: Inserts an image into the background of the area.
Background-repeats: Repeats an image across the x or y axis.
Background-attachment: Determines if the image moves along with scrolling or stays fixed in a position.
Background-position: X and Y coordinate of the background image.

Block Fields:
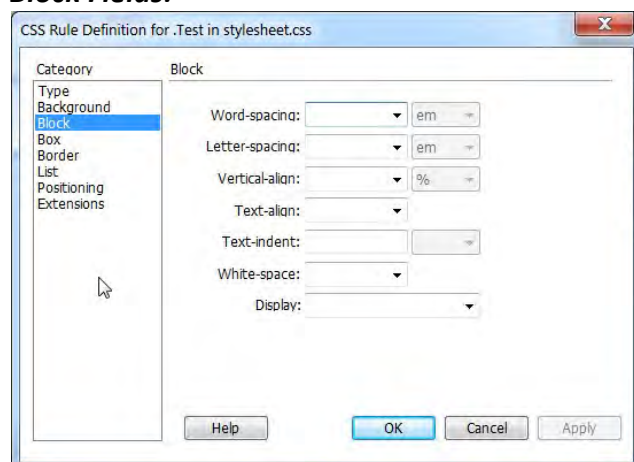
Word-spacing: Determines the spacing between words.
Letter-spacing: Determines the spacing between letters.
Vertical-align: Determines the vertical alignment of the item (i.e. top, middle, etc).
Text-align: Determines the alignment of text (i.e. left, center, etc).
Text-indent: Specifies the amount to which text is indented.

Box Fields:

Width: Specifies the width of the element.
Height: Specifies the height of the element.
Float: Specifies the position in relation of the element to other elements.
Clear: Specifies if additional elements are allowed around the element.
Padding: Specifies the amount of spacing inside the element.
Margin: Specifies the amount of spacing outside of the element.

Border Fields:

Styling: Specifies the styling of the border (i.e. Dotted, Dashed).
Width: Specifies the width of the border.
Color: Specifies the color of the border.
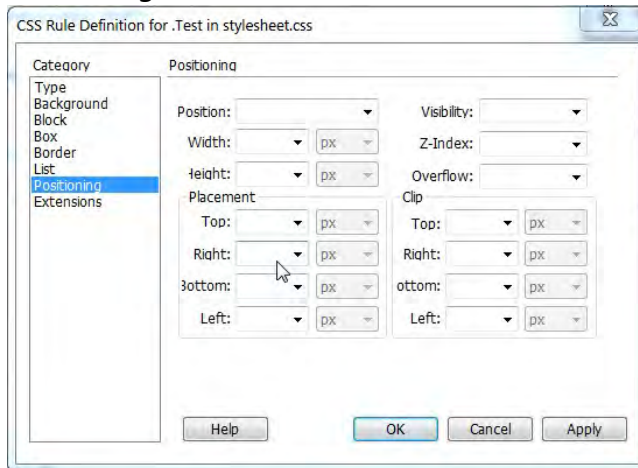
List Fields:

List-style-type: Specifies the shape of the list bullet (i.e. circle, square).
List-style-image: Specifies an image to be used in place of the bullets of the list.
List-style-Position: Specifies if the bullets should appear in line with text or indented.

Positioning Fields:

Position: Specifies the position type of the element (i.e. absolute, relative).
Visibility: Specifies if the item is visible or not.
Width: Specifies the width of the element.
Height: Specifies the height of the element.
Z-Index: Specifies the position of an item on the z-axis.
Overflow: Determines what happens to items that exceed the content area.
Placement: Specifies the placement of the item on the page.
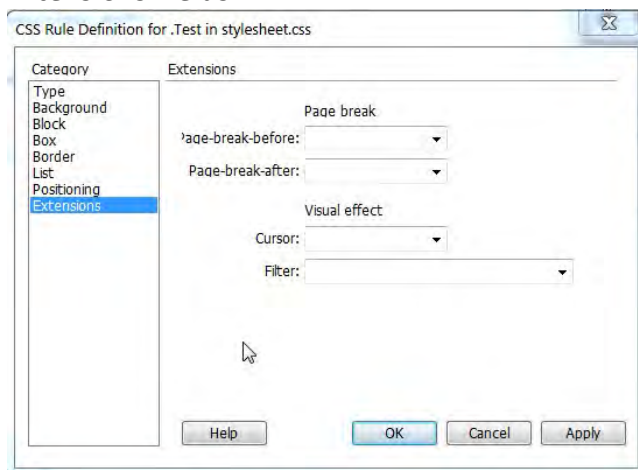
Clip: Specifies what happens to an image larger than the content area.

Extensions Fields:

Page-break-before: Specifies if page breaks occur before the item.
Page-break-after: Specifies if page breaks occur after the item.
Cursor: Modifies the look of the mouse pointer.
Filter: Specifies additional formatting and visual displays for images and other elements.
For more Information:
http://www.webdesign.org/html-and-css/tutorials/css-filters-ie-only.10015.html

```css
@charset "utf-8";
.Main_Content {
    /*----Type----*/
    font-family: Verdana, Geneva, sans-serif;
    /*----Background----*/
    background-color: #FFF;
    /*----Block----*/
    text-align: left;
    /*----Box----*/
    padding: 5px;
    width: 974px;
    margin-top: 0;
    margin-right: 0px;
    margin-bottom: 0;
    /*----Border----*/
    border-top-width: 2px;
    border-right-width: 2px;
    border-bottom-width: 2px;
    border-left-width: 2px;
    border-top-color: #999;
    border-right-color: #999;
    border-bottom-color: #999;
    border-left-color: #999;
    /*----Positioning----*/
    position: absolute;
    /*----Styling to Center Main_Content----*/
    margin-left: -487px;
    left: 50%;
}
.Main_Content p{
    /*----Box----*/
    margin-top: 0px;
    margin-right: 4px;
    margin-bottom: 0px;
    margin-left: 4px;
    padding-top: 0px;
    padding-right: 1px;
    padding-bottom: 0px;
    padding-left: 1px;

}
.Header {
    /*----Background----*/
    background-attachment: scroll;
    background-image: url(Images/sp_header.jpg);
    background-repeat: no-repeat;
    background-position: center center;
    /*----Box----*/
    width: 974px;
    height: 82px;
    margin-bottom: 3px;
}
.img_header {
    font-family: "Times New Roman", Times, serif;
    font-size: 25px;
    color: #FFF;
    background-color: #999;
    background-image: url(Images/img_header.jpg);
    background-repeat: no-repeat;
```

```css
        text-align: right;
        height: 37px;
        width: 969px;
        padding: 123px 5px 0 0;
        position: relative;
        margin: 0 0 3px;
}
.img_header p{
        padding: 0;
        margin: 0;
}
.Navigation {
        /*------Type----*/
        font-family: Arial, Helvetica, sans-serif;
        font-size: 1em;
        font-style: normal;
        line-height: 1.71em;
        color: #FFF;
        /*-----Background----*/
        background-image: url(Images/nav_bar.jpg);
        background-repeat: repeat-x;
        /*----Box---*/
        height: 45px; /*--Determined via firebug--*/
        margin-top: 1px;
        margin-right: 0px;
        margin-bottom: 0px;
        margin-left: 0px;
        padding-top: 8px; /*--Determined via firebug--*/
        padding-right: 1px;
        padding-bottom: 0px;
        padding-left: 1px;
        /*----List---*/
        list-style-type: none;
}
.Page_Content {
        /*---Type---*/
        font-family: Arial, Helvetica, sans-serif;
        font-size: 14px;
        font-style: normal;
        color: #000;
        /*---Background---*/
        background-color: #f4f3e6;
        background-repeat: repeat-y;
        /*----Box--*/
        margin-top: 0px;
        margin-right: 1px;
        margin-bottom: 0px;
        margin-left: 1px;
        padding-top: 0px;
        padding-right: 1px;
        padding-bottom: 0px;
        padding-left: 1px;
        /*---Positioning---*/
        width: 971px;
        position: relative;
        /*---Extra Stuff--*/
        min-height:330px;
        background-image: url(Images/content.jpg);
        overflow:auto;
```

```css
119        }
120  .Footer {
121      /*---Type---*/
122      font-family: Verdana, Geneva, sans-serif;
123      font-size: 12px;
124      color: #FFF;
125      /*--Background--*/
126      background-image: url(Images/footer.jpg);
127      background-repeat: repeat-x;
128      /*---Box---*/
129      padding-top: 67px;/*--Determined via firebug--*/
130      padding-right: 1px;
131      padding-bottom: 3px;
132      padding-left: 3px;
133      height: 21px;/*--Determined via firebug--*/
134  }
135  .Left_Content {
136      font-family: Arial, Helvetica, sans-serif;
137      font-size: 14px;
138      color: #000;
139      padding: 5px;
140      width: 701px;
141      float: left;
142      height:auto;
143      margin:0px;
144      position:relative;
145  }
146  .Right_Bar {
147      font-family: Arial, Helvetica, sans-serif;
148      font-size: 14px;
149      color: #000;
150      padding: 5px;
151      float: left;
152      width: 235px;
153      margin-top: 0px;
154      margin-right: 5px;
155      margin-bottom: 0px;
156      margin-left: 10px;
157      position: relative;
158  }
159
160
```