

Web Page Construction Continued!

Sections 4.4.2, 4.3.2, 4.4.1, 4.5,
and 4.3

HTML Shell (Review)

```
<html>
<head>
  <title>document-title</title>
</head>
<body>
  <h1>document-heading</h1>
  <hr>
  <address>
    %copy:Author and date
  </address>
</body>
</html>
```

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Strategies to fix HTML Problems

- TextWranger color-codes your HTML
 - look for things that are not highlighted correctly
- Check for missing end tags `</ >`
- Check nesting: ` <u> </u>`
- Check for missing "': `<body bgcolor="#ff0000>`

Background Colors (4.4.2)

```
<body bgcolor="#ff0000">
  <h1>The Heading!</h1>
  <hr>
  HELLO!
</body>
```

- The attribute `bgcolor` sets the background color for the `body` of the page to be `#ff0000`
- Colors are specified in RGB format
 - #RedGreenBlue
 - Two digits per color: `#ff0000`

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4

Hexadecimal Numbers

- The numbers 00 - ff are *hexadecimal* numbers
 - base 16 rather than base 10
 - 0 = 0; f = 15
- Why?
 - how many patterns can we represent with 1 bit?
 - 2 bits? 4 bits?
 - What color is #ff0000?
 - How would you represent green?

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5

Web Safe Colors

- Most computers support 16,777,210 colors!
- If that seems overwhelming, you can select colors from the 216 web-safe colors
 - These can be reproduced faithfully on any color monitor
- The colors are listed at the back of the book
- Alternatively, you can follow this link:
 - <http://www.visibone.com/colorlab/>

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6

We can make a list! (4.3.2)

• Unordered Lists

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

- Item One
- Item Two

```
<ul type=square>
  <li> Item One
  <li> Item Two
</ul>
```

- Item One
- Item Two

```
<ul type=circle>
  <li> Item One
  <li> Item Two
</ul>
```

- o Item One
- o Item Two

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7

We can make an ordered list!

• Ordered List

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

1. Item One
2. Item Two

```
<ol type=A>
  <li> Item One
  <li> Item Two
</ol>
```

- A. Item One
- B. Item Two

`type=i` Roman Numerals
`type=1` Numbers

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8

Saving your file on Euler

- Be sure to save your files on Euler
- Any files left on the Desktop may be erased
- Put files that you want to see via the Internet in the Sites folder on Euler

<http://euler.math.pacificu.edu/~login/file.html>

- May be prompted for your user name and password
- Do not give anyone your password!

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9

Practice

- Build a web page, named classes.html
 - copy your shell.html file and start from there!
- Set the background color to one you like
- Build an ordered list of the classes you are taking
- Build an unordered list of the buildings you have classes in
- Be sure to save this file to your Sites folder on Euler when you are done!

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10

Adding an Image (4.4.1)

```

```

- The `img` tag allows us to add an image
 - an *inline* image: treated like a single character
- Specify a URL for the `src` attribute
- Image formats:
 - JPEG: high resolution photographs
 - GIF: line drawings, simple graphics
 - PNG: high quality, compressed image

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11

Practice

- Open the file classes.html
- Find two images on the web and use their URLs to add the images to your page
- Be sure to save a copy of the file to your Sites folder on Euler!
- Look at your web page via:
<http://euler.math.pacificu.edu/~login/classes.html>

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12

Adding hyperlinks (4.5)

```
<a href="http://zeus.cs.pacificu.edu/chadd/index.html">120</a>
```

- The `<a>` tag allows you to create a hyperlink on your web page
- `href` points to the URL go to when the link is clicked
- Be sure to end the tag! `<a>` ``
- 120 (the anchor) is the text that will be the link on the page [120](#)

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13

Practice

- Open the file classes.html
- Create hyperlinks to link two class names to the web site for that class
<http://zeus.cs.pacificu.edu/chadd/cs120s07>
- Be sure to save this file to your Sites folder on Euler when you are done!

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14

Hyperlinks (4.3)

- Two types of hyperlinks exist
 - Absolute: specifies a full URL

```
<a href="http://zeus.cs.pacificu.edu/chadd/cs120s07">cs120</a>
```
 - Relative: specifies a partial URL
 - ```
cs120 image
```
    - uses the current URL displayed in the browser to find the server and directory name
    - use this to link to a page on the same server as your page
  - Where would the above relative URL take us if we are looking at the absolute URL listed above?

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15

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## Practice

- Create a new file name me.html
- Set the background
- List a few facts about yourself
  - in an ordered or unordered list
- Create a *relative* hyperlink to the file classes.html
- Create an *absolute* hyperlink to www.pacificu.edu
  - Don't forget to save your file to your sites folder on Euler!

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16

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## Hyperlink Colors

- Hyperlinks are [blue](#) by default
  - You can set them to any color you want
- ```
<body link="#ff0000">
```
- Set the color of the links
- ```
<body vlink="#00ff00">
```
- Set the color of the links that have been visited
- ```
<body alink="#0000ff">
```
- Set the color of the links as you click them
- a for active

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17

Practice

- Open up classes.html
- Set the link color to **RED**
- Set the visited link color to **GREEN**
- Set the active link color to something you like
- Do the same for me.html
- Don't forget to save your files back to Euler!

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18
