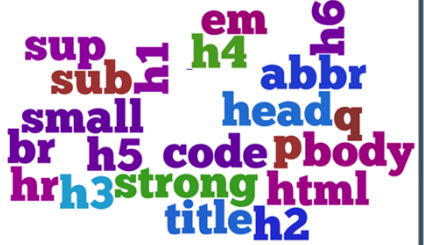## Element Review then Lists

❖ **In the previous two slide sets the following elements were covered**
- ◆ **Which are Document Elements?**
- ◆ **Which are Block Elements?**
- ◆ **What are Inline Elements?**
- ◆ **Which are Empty Elements?**

sup em h6 sub h1 h4 abbr small head q br h5 code pbody hr h3 strong html title h2

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More Block Level Elements

❖ **Address element**
- ◆ **<address>** Contact information displayed as italics by default

❖ **Bullet and Numbered Lists**
- ◆ **<ul>** unordered list = bullet list for **<li>**
- ◆ **<ol>** ordered list = numbered list for **<li>**
  - ◆ **<li>** list item = used by both ol and li

❖ **Definition Lists**
- ◆ **<dl>** definition list contains **<dd>** and **<dt>**
  - ◆ **<dt>** definition term
  - ◆ **<dd>** definition description

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X/HTML: Unordered List Elements

❖ **Unordered List (Bullet List)**
- ◆ ** **
- ◆ ** List item **
- ◆ **This is block level**

<p> Which is a Reptile? </p>

<ul>

   **
Cats
**

   **
Dogs
**

   **
Turtles
**

**
**

Which is a Reptile?

- •Cats
- •Dogs
- •Turtles

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X/HTML: Ordered List Elements

❖ **Ordered List (Number List)**
- ◆ ** **
- ◆ ** List item **
- ◆ **This is block level**

<p> Which is a Mammal?</p>

<ol>

   **
Trout
**

   **
Dolphin
**

   **
Shark
**

**
**

Which is a Mammal?

1. Trout
2. Dolphin
3. Shark

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1

XHTML: Nested List Elements

```
1.   <!DOCTYPE html>
2.   <html>
3.   <head>
4.     <title>Inline Element Example</title>
5.   </head>
6.   <body>
7.     <p>Animals</p>
8.     <ul>
9.       <li>Mammals
10.        <ul>
11.          <li>Dogs</li>
12.          <li>Dolphins</li>
13.        </ul>
14.      </li>
15.      <li>Reptiles
16.        <ul>
17.          <li>Snake</li>
18.          <li>Turtle</li>
19.        </ul>
20.      </li>
21.    </ul>
22.  </body> </html>
```

Animals

- Mammals
  - Dogs
  - Dolphins
- Reptiles
  - Snake
  - Turtle

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X/HTML: Definition List

❖ **List of items with associated definitions**
❖ **Indent only.** No bullets or numbers!

```
<dl>
  <dt>Fat Free Foods</dt>
  <dd>Foods with less then 0.5% of calories from fat</dd>
  <dt>Sugar Free Foods</dt>
  <dd>Foods typically containing chemical sweetener</dd>
</dl>
```

Fat Free Foods
  Foods with less then 0.5% of calories from fat
Sugar Free Foods
  Foods typically containing chemical sweetener

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X/HTML: Blockquote Grouping Element

❖ **Paragraphs and Headings may be indented by encapsulating within <blockquote> element**
❖ **Nest blockquote elements for more indent**

```
<body>
  <p>Animals</p>
  <blockquote>
    <p>Mammals</p>
    <blockquote>
      <p>Humans<br />
      Dolphins<br />
      Dogs</p>
    </blockquote>
    <p>Reptiles<br />
    Birds</p>
  </blockquote>
</body>
```

Animals

Mammals

Humans
Dolphins
Dogs

Reptiles
Birds

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X/HTML: Anchor Element

❖ **Anchor elements are inline elements and used to create hyperlinks with text**
❖ **index.html is the default web page file and is opened when no file is specified for a folder**
❖ **Link to file in same folder**
  `<a href="resume.html">My Resume</a>`
  `<a href="index.html">Home</a>`
❖ **Link to file in different folder using relative path**
  `<a href="resume/index.html">My Resume</a>`
  `<a href= "../topic/">My Topic</a>`
❖ **Link to to file on different URL**
  `<a href="http://www.islandman.org">My Website</a>`
  `<a href="http://www.islandman.org/resume/index.html">Resume</a>`

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Specifying Relative Paths

- ❖ Organize files with website folder structure
- ❖ 2 files in a folder cannot have the same name
- ❖ Do not use spaces in names of folder or files
- ❖ Do use _ - or title case for names
  - ◆ MyMug.jpg
  - ◆ PE_license.gif
  - ◆ DiplomaPaper.pdf
- ❖ Default webpage in each folder is index.html
- ❖ Home page is index.html stored in root folder
- ❖ File paths are relative to the folder that contains the active html document and are case sensitive
- ❖ Parent folder is designated by ..
- ❖ From resume/index.html to
  - ◆ <a href="letterRec/References.pdf">
  - ◆ <a href="../index.html">
  - ◆ <a href="../topic/opera.html">

D:\My Documents\website\
resume
letterRec
HenryT.pdf
References.pdf
transcripts
trnGradBWd.pdf
trnUndrBW.pdf
385Eval.html
DiplomaPaper.gif
index.html
index1.html
MyMug.jpg
PE_license.gif
resume.css
Resume.txt
Thesis.PDF
topic
firefox
ie.html
index.html
.opera.html
index.html
resume.html
topic.html

Hyperlink Example #1

Robert Laurie
Objective: To teach for UMUC
My References
My Home Page

```
1.  <body>
2.    <h3 style="text-align:center">
3.      Robert Laurie
4.    </h3>
5.    <p>
6.      <strong>Objective:</strong> To teach for
7.    <a href="http://www.umuc.edu">UMUC</a>
8.    </p>
9.    <h4>
10.     <a href="letterRec/References.pdf">
11.   My References</a><br>
12.     <a href="../index.html">My Home Page</a>
13.   </h4></body>
```

Hyperlink Example #2

UMUC - Asia Division

Associate Professor
Guam, Iwakuni, and Sasebo Japan
January 1998 through Present
References
Taught courses with the following course content:

- C++ Programming
- Web Site Design
- JavaScript Programming

CMST386

```
<h3>UMUC - Asia Division</h3>
  <p>
    Associate Professor<br />
    Guam, Iwakuni, and Sasebo Japan<br />
    January 1998 through Present<br />
    <a href="letterRec/References.pdf">References</a><br />
    Taught courses with the following course content:
  </p>
  <ul>
    <li><a href="../_umuc/cmis140/index.html" title="CMIS140">
        C++ Programming</a></li>
    <li><a href="../_umuc/cmst385/index.html" title="CMST385">
        Web Site Design</a></li>
    <li><a href="../_umuc/cmst386/index.html" title="CMST386">
        JavaScript Programming</a></li>
  </ul>
```

X/HTML: Email Anchor Tag

- ❖ It is easy to include a link for email.
  Email:

  bob@yahoo.com
- ❖ Can also be used for an image:

- ❖ Caution: Spammers use robotic search engines called SpamBots to harvest email addresses from web pages
  - ◆ Recommend using an AntiSpam JavaScript function
  - ◆ Recommend using image for email address with no <a> hyperlink

Internal Document Anchors

- ❖ **Setting internal anchors within web pages enables jumping to a specific position within a web page**
- ❖ **The anchor point is identified by an id attribute usually in a block level element for valid XHTML**
  <h2 id="EDUC">
  - ◆ The old method in HTML was to use a name attribute in an <a> element but considered obsolete <a name="EDUC">
- ❖ **The anchor jump is implemented using an <a> element with the href attribute value starting with the symbol # preceding the anchor point identifier**
- ❖ **Within the same Web Page**
  ** Education **
- ❖ **Within a different Web Page resume.html**
  ** Education **
  ** Edu **

External Document Anchor

```
<h5 id="TOP" style="text-align:center">
<a href="../index.html">[Home]</a>  
    <a href="#EXP">[Experience]</a>  
    <a href="#EDU">[Education]</a></h5>
<h1 style="text-align:center">
    Robert Laurie</h1>
<p style="text-align:center">
    UMUC Asia<br>Andersen AFB<br>
    Yigo, GU</p>
<h3 id="EXP">Experience</h3>
<ul><li>UMUC Asia</li><li>Magic Edge</li>
    <li>AT&amp;T Bell Labs</li></ul>
<h3 id="EDU">Education</h3>
<ul><li>B.S. Mechanical Eng</li>
    <li>M.S. Electrical &amp;
        Computer Engineering</li></ul>
<h5 style="text-align:right">
    <a href="#TOP">[Top]</a></h5>
```

[Home] [Experience] [Education]

Robert Laurie

UMUC Asia
Andersen AFB
Yigo, GU

Experience

- UMUC Asia
- Magic Edge
- AT&T Bell Labs

Education

- B.S. Mechanical Eng
- M.S. Electrical & Computer Engineering

[Top]