

Announcements

- CMSC 198N – Introduction to Computer Programming via the Web
- Web site:
<http://www.cs.umd.edu/class/spring2007/cmsc198N/>
- Announcements section in web site
- Project posted

Submit Server

- What is the submit server?
- Let's see a demo

Frequently Used Tags

- Emphasis
 - `<em> text here </em>` Text usually rendered in italics
 - `<strong> text here </strong>` Text usually rendered in bold
- Super/Sub script
 - `<sub> text here </sub>`
 - `<sup> text here </sup>`
- Quotations
 - `<q> quote here </q>`
- Line Breaks
 - `<br />`
- Verbatim (text displayed exactly as it appears)
 - `<pre> text here </pre>`
- **Example: HtmlDoc.html**

Lists

■ **Unordered lists**

- ❑ `<ul>` `</ul>` tags to represent beginning and end
- ❑ `<li>` `</li>` to represent elements in the list
- ❑ **Example: Lists.html**

■ **Ordered lists**

- ❑ `<ol>` `</ol>` tags to mark beginning and end
- ❑ `<li>` `</li>` to represent elements in the list

■ **Definition lists**

- ❑ Consist of terms and definitions like in a glossary
- ❑ Tags - `<dl>` `</dl>`
- ❑ Terms specified using `<dt>` `</dt>` and definitions with `<dd>` `</dd>`
- ❑ **Example: DefNestedLists.html**

■ **Nested lists (See previous example)**

Image Inclusion

- We can include an image using the img tag
``
- **Example: Image.html**
- Although the width and height attributes are not required they are highly recommended. (They can also be set through CSS).

Links

- Link – connection between web resources
- Hypertext links are created using the <a> (anchor) tag
- The link can be text :
 - `<a href="http://www.cnn.com">CNN Web Page</a>`
 - Notice that you **need to** specify the protocol (http://)
 - **Example: Link.html**
 - The URL can be absolute or relative
- The link can be an image:
`<a href="http://www.umd.edu"></a>`

Validation

- You can use W3C Markup Validation Service (<http://validator.w3.org/>) to validate your html.
- Also through firefox you can use ***tidy*** for html validation. Tidy also provides suggestions for code that cannot be validated.

Tables

- To define a table we use the `<table>` tag
 - Border attribute controls table's border
 - By default borders are not visible
- The following tags are associated with tables
 - `<tr>` - defines a row
 - `<td>` - defines a data element
 - `<th>` - define a header data element
 - `<caption>` - provides a caption for the table
 - Must appear after the `<table>` tag
 - Must be used only once
- **Example: Table.html**

Character Entity References

- Special Characters can be specified by
 - ▣ Name specification - *&name*
 - ▣ Numeric specification - *&#xxx*

- Commonly used characters

Copyright ©

Registered Trademark ®

& &

<

>

Non break space

- ## ■ Example: CharacterReferences.html

- Complete list at:

<http://www.w3.org/TR/html4/sgml/entities.html>