Announcements

- CMSC 198N – Introduction to Computer Programming via the Web
- 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
  `<img src="testudo.jpg" alt="Testudos' image" />`

- 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:
  - 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"><img src="testudo.jpg" alt="Testudos' image" /></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
  
  \textit{Copyright} \quad \&copy;
  
  \textit{Registered Trademark} \quad \&reg;
  
  \& \quad \&amp;
  
  < \quad \&lt;
  
  < \quad \&gt;
  
  \textit{Non break space} \quad \&nbsp;

- Example: CharacterReferences.html
- Complete list at:
  \url{http://www.w3.org/TR/html4/sgml/entities.html}