Announcements

- Instructor: Nelson Padua-Perez (nelson@cs.umd.edu)
- Class Web Site: http://www.cs.umd.edu/class/fall2010/cmsc122/
- No posting of code in the forum
- Check class announcements daily
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: Links.html**
- The URL can be absolute or relative.
- The link can be an image:
  ```html
  <a href="http://www.umd.edu"><img src="testudo.jpg" alt="Testudos' image" /></a>
  ```
Tables

- To define a table we use the `<table>` tag
  - Border attribute controls table’s border
  - By default borders are not visible
- Basic 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: Tables.html
Character Entity References

- Special Characters can be specified by
  - Name specification - &name;
  - Numeric specification - &#xxx;
- Commonly used characters
  - Copyright ©
  - Registered Trademark &reg;
  - &
  - <
  - >
  - Non break space &nbsp;
- Example: CharacterReferences.html
- Complete list at: http://www.w3.org/TR/html4/sgml/entities.html
Suggestions for Writing HTML Code

- Add the corresponding end tag immediately
- Use indentation
- Have a consistent style
- Use comments to separate sections of your code
- Validate your code as you develop it (not at the end)
Block Elements/Inline Elements

- **Comparison**
  - Block elements begin on new lines whereas inline elements don’t
  - Block elements create larger structures (allow you to define the large structure of your document) whereas inline elements don’t

- **Block Elements Examples**
  - Paragraphs (<p>), Headings, Lists, Tables, Division (<div>), Block Quotations, Preformatted Text (<pre>)

- **Inline Element Examples**
  - Anchors (<a>), Images (<img>), Line Breaks (<br />)

- Block elements may contain other block elements, inline elements, and data. Some block elements may not contain other block elements

- Inline elements may contain inline elements and data
Inline Elements in Block Elements

- Why the following example does not validate?
- Example: ValidationProblem.html
Submit Server

- What is the submit server?
- How are you going to use it?
- How to create the zip (compress) file?
  - In Mac ➔ Control ➔ Click ➔ Compress “FileName”
  - In Windows ➔ Right Click ➔ Send To ➔ Compressed (zipped) folder
- You can submit as many times as you want (last submission graded)
- Use the submit server to store backup copies and to show code during office hours
- Do not wait until the day the project is due to access the submit server (no extensions will be granted due to submit server access problems)
Publishing Your Web Page (TerpConnect)

- As a student of the university you have a directory (folder) where you can place your html documents so they can be accessed on the web
- Location of your folder:
  - Machine: terpconnect.umd.edu
  - Login by using your directoryID/Password combination
  - Folder location: /pub/YOURDIRECTORYID
- Main html document should be named index.html
- Web Page Address: http://www.terpconnect.umd.edu/~YOURDIRECTORYID
  - Notice there is a ~ before your directory id
- Windows Users - Use WinSCP to transfer files
- Mac Users – Use Fugu to transfer your documents to wam
  - [http://rsug.itd.umich.edu/software/fugu/](http://rsug.itd.umich.edu/software/fugu/)
- Demo
- You will need your terpconnect location for Project #1 so make sure you access the repository ASAP.