Announcements

- Paper due today

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.
- Make sure your code satisfies HTML 4.01

Header Tags

- <title> </title>
  - Required for html 4.01
  - Should contain only ASCII characters
- <meta>
  - Provide information about a document (e.g., date, author, copyright)
  - Information provided by this tag is intended for servers, browsers, and search engines
  - A document can have several meta tags
- Attributes of <meta> tag
  - http-equiv – Provides information a server typically sends to the browser before actually sending the html document
  - This information could determine how the browser process the html document

http-equiv attribute of meta tag

- refresh value
  - <meta http-equiv="refresh" content="30">

    Refreshes the page every 30 seconds.
  - With this attribute you can create a simple animation as you can specify a different page to load

    <meta http-equiv="refresh" content="5 ; url=anim.html>
- content-type value
  - content-type text/html is automatically added to html documents
  - You can define which character set to use by:

    <meta http-equiv="content-type" content="text/html;charset=***desiredset***">

Links

- Link – connection between web resources
- Hypertext links are created using the <a> tags
- The link can be text :
  - ***CNN Web Page***
  - Notice that you need to specify the protocol (http://)
  - **Example html1Link.html**
  - The URL can be absolute or relative
- The link can be an image:
  - ***<img src="shrek-1.jpg“>***
  - **Example html1Link.html**
  - The URL can be absolute or relative

Absolute vs. Relative URLs

- Default base directory: directory where the current html file resides
- **Absolute URL**
  - Provides a complete identification of the resource
  - Components
    - Protocol
    - hostName(server Machine)
    - Path
  - Example:

    CNN
    - Protocol – http://
    - hostName(server Machine) – www.cs.umd.edu
    - Path - ~nelson/index.html

Absolute vs. Relative URLs

- **Relative URL**
  - Resource location determined based on default base directory and provided information.
  - Example (html2Link.html)

    Previous Example
- **Changing the base**
  - You can change the default base directory by using the **<base>** tag (has no end tag). This tag is part of the header section.
  - Example (html3Link.html)

Linking to Document Sections

- Reaching a particular section helps in long documents

- **Naming the fragment**
  - Use the <a> tag along with the *name* attribute to identify the section.

```
<a name="SyllabusSection"></a>
```

- **Accessing the section**
  - You can identify the section by using # and the specified name

```
<a href="#SyllabusSection">Class Syllabus</a>
```

- **Example (html4Link.html)**

- If the section is in another document then you need to specify the document. For example:

```
<a href="html4Link.html#SyllabusSection">Class Syllabus</a>
```

Controlling Window Opening

- You can open a new window when a link is selected by using the **target** attribute and the **_blank** value

```
<a href="html1Link.html" target="_blank">FirstExample</a>
```

- **Example (html5Link.html)**
- If your browsers opens new windows in tabs then a tab will be created
- You can name a window and use that window as your target

```
<a href="html1Link.html" target="ExamplesWindow">FirstExample</a>
```

- **Example (html6Link.html)**

Imagemaps

- Imagemaps – Image where image regions are associated with links
- Two types
  - Client-side imagemaps – All the information needed is in the html so browser can generate the map
  - Server-side imagemaps – All the information needed is in the server in a .map file.
- Client-side imagemaps
  - Makes use of <map> tag and <area> tag
  - The <area> tag defines the shape attribute that can assume the following values:
    - rect
    - circle
    - poly
- **Example (html7Link.html)**

Other Links

Non-web links

- mailto

  Nelson Padua-Perez

  - mailto can be customized with subject or body using **subject**, **body** and **&**

  - Example (html8Link.html)

- ftp – to download files.

  file