

Announcements

- Midterm on Wednesday
- Regarding Project #6
 - Your program must verify that a firstname, lastname, address, and e-mail have been provided. If the user types only blank characters (e.g., by using the spacebar) then the data is considered invalid. Your program must detect this situation.
- Logo creator posted on the resources section of the class web page.
- CamStudio software allows you to capture video activity

Favicon

- Icon that appears next to the websites' URL in the address bar.
- Example: <http://www.umd.edu/>
- You also see them when you bookmark a page
- The icon is represented by a file named favicon.ico
- In the resources section of the class web page you can find a link to a favicon generator
- To place the favicon in your page insert the following html tag in the head section of your html file

`<link rel="shortcut icon" href="favicon.ico" />`

- **Example:** FaviconExample.html
- **Link:**
<http://www.cs.umd.edu/~nelson/FaviconExample/FaviconExample.html>

Round Corners

- You can achieve round corners by using and setting the background of a div area.
- You can generate the corners using a image editing software (e.g., Photoshop) or by using some online generators (see Resources section for some links)
- **Example:** [RoundedCorners/roundCorners.html](#)
- Currently Mozilla-based browsers support a property for generating rounded corners. This will be part of CSS3.
- **Example:** [MozillaRoundedCorners/MozillaRoundedCorners.html](#)

Multimedia

- Several video file formats. For example:
 - ❑ Macromedia Flash
 - ❑ MPEG (MPEG-4)
 - ❑ QuickTime
 - ❑ Windows Media
 - ❑ Others
- Each has its advantages and disadvantages
- Two main approaches to access video, audio, animation:
 - ❑ **File Downloading** (HTTP streaming/HTTP delivery)
 - ❑ **Streaming**

Multimedia

■ File Downloading

- ❑ Entire file must be downloaded to your computer before starting to viewing the media (video, audio, animation, etc.). You have to wait before viewing the media
- ❑ This approach is relatively easy and cheap to implement via either
 - hyperlink to the file. When the user selects the link the appropriate player will start processing the media file
 - Embedding – media appears in a portion of the web page rather than in a separate application.

■ Streaming

- ❑ File is sent in a stream and user can start viewing the media almost immediately.
- ❑ Streaming allows for broadcasting of live events (webcasting).
- ❑ Streaming services can be expensive
- ❑ **Example:**
- ❑ http://webclust1.liquidcompass.cc/sos4cust/WTOP/audio_player.php?id=WTOP

■ Progressing Downloading

- ❑ File is downloaded but the user can start viewing the media once a portion of the file has been downloaded

Multimedia

- Due to its cost and simplicity file downloading (HTTP Streaming Video) is the option you may frequently use.
- To deploy HTTP Streaming video
 - Create a media file
 - Upload the file to the web server
 - Make a hyperlink or embed the media in your page
- In order to embed media we use the html object tag. Each media file (e.g., quicktime, mpeg, etc.) follows a particular configuration illustrated in the following examples:
- Important: In firefox you must make sure you have the appropriate plugin (<https://addons.mozilla.org/en-US/firefox/browse/type:7>)
- For our examples, we needed to install the windows media plugin
- **Example:** EmbeddingAVI.html
- **Example:** EmbeddingWMV.html
- **Example:** EmbeddingQuicktimeV1(V2).html
- **Example:** EmbeddingFlash.html

Placing Your Videos on the Web

- Transfer the video your computer
 - Video software mentioned below can help you in this process (“Capturing Video”).
- Edit video if necessary. Example of video editing software:
 - PowerDirector
 - ShowBiz DVD
 - Ulead VideoStudio
 - Nero Ultra Edition
- Export video in a web-compatible format like Quicktime, Windows Media, etc.
- Place the video in your web site