

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

Images

- ❖ **Two types of Images:** Bitmap and Vector
- ❖ **Bitmap Images**
 - ❖ Pixels in a grid
 - ❖ **File Formats for Bitmap Images**
 - ❖ JPEG (Joint Photographic Experts Group)
 - ❖ GIF (Graphics Interchange Format)
 - ❖ PNG (Portable Network Graphics)
 - ❖ Others
 - ❖ **GIF**
 - ❖ Appropriate for images with large flat areas and single colors (e.g., diagrams)
 - ❖ Provides support for transparency
 - ❖ **JPEG**
 - ❖ Photographs

Images

❖ **Vector Images (Raster Images)**

- ❖ Each component object defined by mathematical statements
- ❖ Resolution independent
- ❖ Appropriate for logos and graphics without photographic elements
- ❖ Common Formats
 - ❖ CDR (CorelDRAW)
 - ❖ SWF (Shockwave Flash)

❖ **Rasterizing**

- ❖ Conversion of a vector image to a bitmap.

❖ **Resolution of images for the web**

- ❖ Use images between 72 and 96 ppi (pixels per inch)

Software Sources

- ❖ Image Manipulation Programs

- ❖ Photoshop (Expensive)

- ❖ Gimp (free and for many operating systems)

- ❖ <http://www.gimp.org/>

- ❖ Good reference

- “Web Designer’s Guide to Adobe Photoshop”

- Author: Chris Tull

- ISBN-13: 978-1-59822-001-8

- ❖ Web Authoring Programs

- ❖ Dreamweaver (Expensive)

- ❖ NVU → <http://net2.com/nvu/>

Web 2.0

- ❖ What is Web 2.0?
 - ❖ Term associated with web applications that facilitate interactivity. Enables “desktop-like” web applications
 - ❖ It is not a new web, but how developers and users utilize the web
 - ❖ Web 2.0 sites allows for more than just information retrieval. Users can provide data and manipulate it
 - ❖ Technologies used:
 - ❖ Asynchronous JavaScript and XML (AJAX)
 - ❖ Flash

Web 2.0

- ❖ Example Applications

- ❖ Google Docs

- ❖ Gmail

- ❖ Facebook

- ❖ Best Web 2.0 Applications for Education

- ❖ <http://larryferlazzo.edublogs.org/2010/11/17/the-best-web-2-0-applications-for-education-2010/>

- ❖ 10 Useful Online Web 2.0 Applications

- ❖ <http://www.thesofthelp.com/2010/08/10-usefull-online-web-20-applications.html>

- ❖ 50+ Most Useful Web 2.0 Applications and Tools

- ❖ <http://www.goospoos.com/2010/09/web-20-tools-services/>

- ❖ References

- ❖ http://en.wikipedia.org/wiki/Web_2.0#cite_note-0

- ❖ http://edutechwiki.unige.ch/en/List_of_web_2.0_applications

Adding Facebook “Like” Button

- ❖ See <iframe> entry at bottom of page:
- ❖ <http://www.cs.umd.edu/~nelson>

Project #3 Implementation

- ❖ Let's take a look at a possible implementation for this project