

ANNOUNCEMENTS

- ❖ **Regarding Project #6 and take-home scores.**
- ❖ **Make sure you check class announcements daily.**

Reference:

“Web Designer’s Guide to Adobe Photoshop”

Author: Chris Tull

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

- ❖ **Make sure your scores in `grades.cs.umd.edu` are correct.**
- ❖ GNU Image Manipulation Program (GIMP)
 - ❖ <http://www.gimp.org/>

DREAMWEAVER

- ❖ Macromedia Dreamweaver
 - ❖ Professional Web Development Platform
 - ❖ HTML
 - ❖ Coldfusion
 - ❖ JavaScript
 - ❖ PHP
 - ❖ CSS
 - ❖ others
 - ❖ <http://www.macromedia.com>

DREAMWEAVER

- ❖ Let's go over some of the options for Dreamweaver.
- ❖ View→Toolbars (displays any toolbars not visible).
- ❖ Code/Split/Design
- ❖ Save option
- ❖ Title → Allows you to define the title.
- ❖ Preview → Using “earth globe”
- ❖ Validation >
- ❖ Undo → left curved arrow.
- ❖ Redo → right curved arrow.
- ❖ View→Grid
- ❖ View→Style Rendering

DREAMWEAVER

❖ Insert

- ❖ Insert → Table
- ❖ Layout Objects → Div Tag
- ❖ Date
- ❖ HTML
- ❖ HTML → Text Objects

❖ Modify

❖ CSS Support

- ❖ Styles created for you (you can export them later on).
- ❖ You can define properties easily.

DREAMWEAVER

- ❖ Starter Pages
 - ❖ Predefined pages
- ❖ Predefined Page Designs (based on CSS).
- ❖ Predefined CSS Style Sheets.
- ❖ Creating JavaScript
 - ❖ File→New→Basic page→JavaScript
- ❖ Creating CSS document
 - ❖ File→New→Basic page→JavaScript
- ❖ Layer → Areas defined by `<div></div>`
- ❖ Animations can be created as well (JavaScript support lies underneath).

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).

PHOTOSHOP

- ❖ Main elements
 - ❖ Menu Bar
 - ❖ Palettes
 - ❖ One of them is the Layer's palette
 - ❖ Toolbox
 - ❖ Small arrow in lower right corner provides more options
- ❖ To reset workspace (Window→Workspace)
- ❖ For web design change units of measurements to pixels
 - ❖ Edit→Preferences→Units&Rulers
 - ❖ Change Rulers and Type to pixels

PHOTOSHOP

- ❖ Let's create an image by
 - ❖ File→New
- ❖ Let's create a layer
 - ❖ Layer? – Like old plastic transparencies.
 - ❖ You should create your designs using layers.
- ❖ Adding Text
 - ❖ Select Horizontal Type Tool (T in toolbox).
 - ❖ Window→Character
 - ❖ To move text click on Move Tool (Top Right), select layer.
- ❖ To add custom shape
 - ❖ Select custom shape from toolbox (under rectangle if not visible).
 - ❖ CTRL-T to transform.

LAYERS

- ❖ Each layer can be seen as an image by itself.
- ❖ A combination of layers forms your final image.
- ❖ A layer can have
 - ❖ Text
 - ❖ Logo
 - ❖ Other elements
- ❖ Opening of Layers Palette via Window → Layers.
- ❖ Any time you create or paste something into an image Photoshop creates an image.
- ❖ You need at least one layer in photoshop.
- ❖ You can lock a layer to avoid any modification.
- ❖ To unlock the background layer double-click and provide a name.
- ❖ Layer styles are visual effects you can add to a layer.
- ❖ Layer styles are accessible in the layer palette (under *f*).
- ❖ Let's see some of the style options.

MARQUEE TOOLS

- ❖ **Creating a ellipse/rectangle**
 - ❖ Select elliptical marquee.
 - ❖ Dragging creates elliptical or rectangular area.
 - ❖ Dragging and holding down shift key → creates perfect square or circle.
 - ❖ Dragging and holding down alt key → creates an elliptical or rectangular area center at the point your first click.
 - ❖ You can combine shift/alt.
 - ❖ CTRL-D to deselect element or Select → Deselect.
- ❖ **Adding color**
 - ❖ Select Foreground Color Square on toolbox.
 - ❖ Select Paint Bucket Tool.

ACCESSING PRESET STYLES

- ❖ Select a layer and the layer style (*f*).
- ❖ Select “Style” at the top (rather than “Blending Options”).
- ❖ Now you will see style (small right arrow will provide additional styles).

EXTRACTING PART OF AN IMAGE

- ❖ Bring in some images.
- ❖ Create image with appropriate dimensions.
- ❖ Make sure the background is transparent.
 - ❖ You will see the checkerboard pattern representing a transparent background.
- ❖ You can select a portion of the image using Marquee Tools, the “New Selection” button (leftmost button on the options bar), move option, and dragging selected area.
- ❖ You can select an irregular area by using the lasso tools.
 - ❖ Magnetic lasso tool recommended.
 - ❖ A complete selection is made once you work your way around.
 - ❖ Use ESC to remove selections.

CROPPING

- ❖ Select the crop tool (third icon on leftmost column).
- ❖ Select area of an image you want to keep.
- ❖ Press enter.

PEN TOOL

- ❖ Extremely useful.
- ❖ Let's take a look at the options bar.
- ❖ Let's use the path option in one example.
 - ❖ Click outside of image area.
 - ❖ Click on image area and adjust curvature.
 - ❖ Once you have desired curvature hold ALT key and click on the darken anchor.
 - ❖ Repeat to complete the path.