Image Edition using Photoshop



Infomax Computer Academy

Objective:

After completing this course, learner will be able to :

- Use different tools for editing image
- Understand different type of image editing
- Working with multiple layers.
- Creating banner, logos, cards and Posters

What is Image Editing

- Photo editing means an act of altering an image in very simple terminology.
- These images can be digital photographs, illustrations, prints, or photographs on film.
- Photos of models etc. are edited to remove blemishes or make the model "better" or a photo is edited for fixing errors like red eye, contrast, brightness, etc.
- Photo editing is also used to make completely new images

Photo-editing software

Photo-editing software's are software programs used to manipulate and enhance images, Some Popular Software's are:

Some photo-editing software programs:

- Adobe Photoshop
- Corel Draw
- Microsoft Paint
- Inkscape
- Capture One
- Fotor
- Snappa
- PicMonkey
- Pixlr editor
- Canva
- GIMP
- PhotoPlus
- Paint.NET

Some photo-editing mobile apps:

- PicsArt
- Snapseed
- Edior De Fotos
- Photo Director
- Adobe Lightroom
- PicShot
- Polarr
- InstaSquare
- Enlight

Types of photo editing

- Selection/Resize /Cropping Image
- Improve Colors and tone
- Improving Brightness and Contrast
- Merging (Mixing) Images
- Applying Filters on Images
- Adding Text on Image

Introduction to Photoshop 7.0

- Adobe Photoshop 7.0 is a powerful tool for creating, editing, manipulating and maintaining images both for the web and in the printed medium.
- It can be used to create spectacular graphics for a web site, or to enhance digital photographs for vital presentations.
- Whether you're maintaining a personal website or editing images on behalf of your department, a good basic knowledge of Photoshop can help you on your way to a professional level of graphic design and implementation in your work.

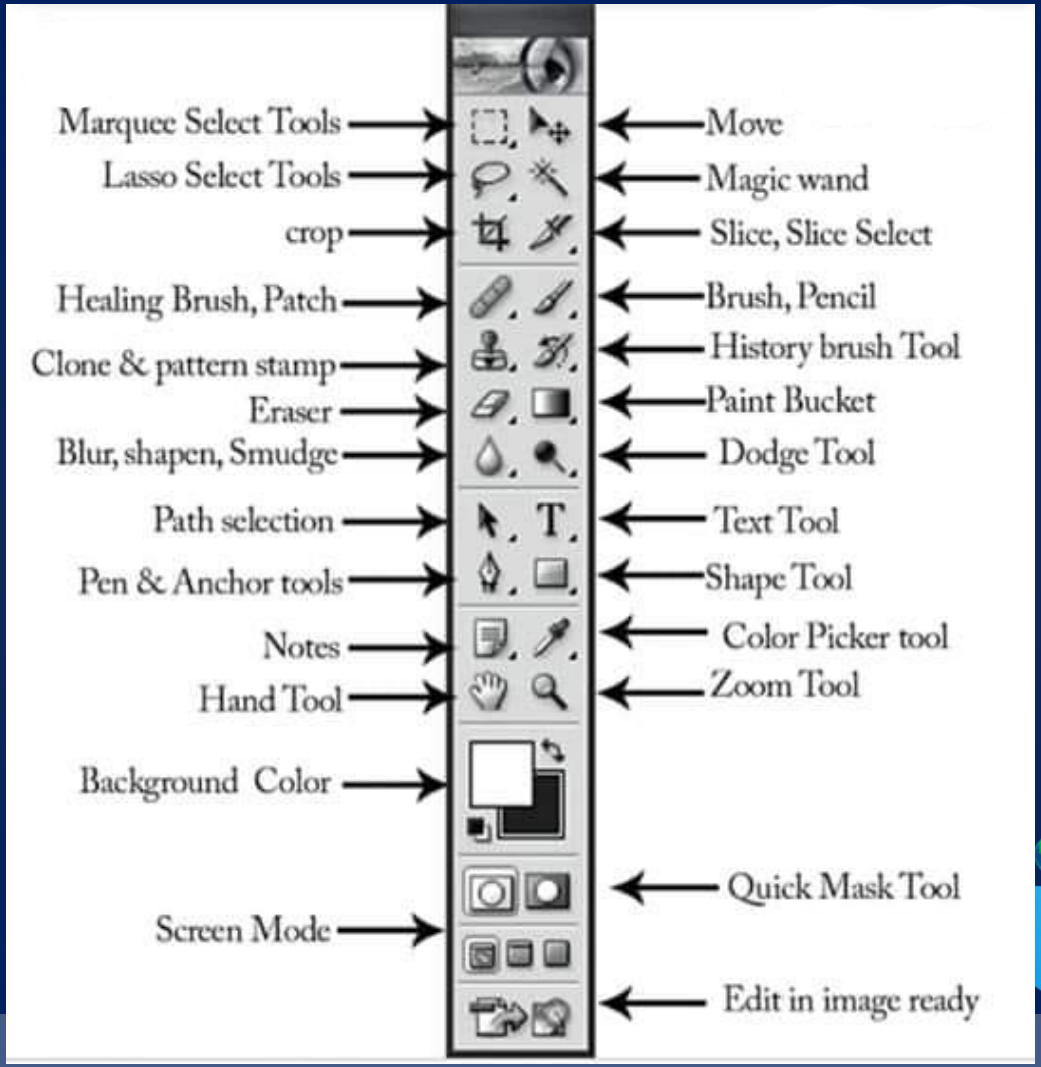
Introduction to the Work Area

- In this section we will look at the tools, palettes, menus and work area of Photoshop.
- We will go through the main tools, looking at what each one does. We will then go through the menus, identifying the functions contained within each one.
- Then we will look at the different toolbars and palettes that give Photoshop its great functionality.

The Tool Palette

- To the right we have the tool palette.
- This contains the tools you need for image creating, editing and manipulation.
- The tools with black arrows at the bottom right corner indicate that there are more options within that tool.
- To access the other tools within that tool, just left click the mouse and hold it down.
- Hovering the cursor over the tool will give you its name and the keyboard shortcut to access it (in the case of the move tool Shift + V will automatically select it for you).

Toolbar


Marquee Select Tools
Move
Lasso Select Tools
Magic wand
crop
Slice, Slice Select
Healing Brush, Patch
Brush, Pencil
Clone & pattern stamp
History brush Tool
Eraser
Paint Bucket
Blur, shapen, Smudge
Dodge Tool
Path selection
Text Tool
Pen & Anchor tools
Shape Tool
Notes
Color Picker tool
Hand Tool
Zoom Tool
Background Color
Quick Mask Tool
Screen Mode
Edit in image ready

Photoshop Tool

- **Marquee:** this tool allows you to select an area of an image within a particular shape. The default is rectangle, but there is also an ellipse selection as well as a single row and single column marquee.
- **Move tool:** The Move tool helps you position selected content or layers when customizing your work. Using Move tool we can move any layer from one position to other.
- **Lasso Tool : T**his tool allows you to select irregular areas of an image. There is also the freehand lasso tool and the magnetic lasso tool (which will find the edge of an element within the image you are trying to select).
- **Magic Wand:** the magic wand tool is another tool that you can use to select an area on the screen. It is used when you want to select an area that contains the same colour throughout.

photoshop Tool

- **Crop:** this tool allows you to cut/remove an image to a particular segment.
- **Slice:** the slice tool allows you to divide an image into sections, making it easier to break up the image for putting it on the web or for making composite images. The second option under the slice tool is the slice select tool, which allows you to apply modifications to a slice that you have created.
- **Healing Brush:** this tool allows you correct imperfections, causing them to disappear into the surrounding image. You use the healing brush tool to paint with sampled pixels from an image or pattern. The other tool that this button allows you to select is the patch tool. The patch tool lets you repair a selected area with pixels from another area or a pattern.

Photoshop Tools

- **Brush Tools:** this tool is as you would imagine used to paint on an image. There are numerous different brush shapes and sizes that allow the user to create different textures to their image. The other option to this tool is the pencil tool.
- **Clone Stamp:** this tool takes a sample of an image, which you can then apply over another image or part of the same image. Each stroke of the tool paints on more of the sample. The other tool that can be selected here is the pattern stamp tool, which lets you paint with a pattern. You can select a pattern from the pattern libraries or create your own patterns.
- **History Brush:** this tool allows you paint with the source data from a specified history state or snapshot. The other option is the art history brush which allows for painting with stylized strokes from a specified history state or snapshot.

Photoshop Tools

- **Eraser:** this tool allows you to erase parts of your image. You can also select the background eraser tool or magic eraser tool which allow you to erase specific parts of the image.
- **Gradient:** a gradient allows you to fill an area of an image with a colour range, where the colours gradually run into each other. The other option with this tool is the paint bucket or fill tool, which you would use to fill a selected area of the image with a single colour.
- **Smudge:** this tool allows you to create an effect similar to the effect caused when working with pencils and you smudge an area of the image with your finger. The companion tools to this tool are the blur tool and the sharpen tool which allow you to blur the focus or sharpen the focus of an area of the image.

Photoshop Tools

- **Sponge:** this tool allows you to subtly change the colour of the image, by altering the colour saturation of the area adjusted by the sponge tool. The other options under this tool are the dodge and burn tools, which are used to lighten or darken an area of the image respectively.
- **Path Selection:** used for selecting vector images. Vector images are images that can be resized without loosing resolution because they are based on mathematical formula as opposed to bitmapped or raster images, which are constructed using a finite number of pixels. The companion tool to this is the direct selection tool, which allows you select a path segment.
- **Text:** this tool allows you to add text to your image. You can also change the orientation of text to the vertical type tool.

Photoshop tools

- **Pen:** used for creating straight lines and smooth curves with precision. The image created is a vector image. There are a number of companion tools to this tool - freeform pen, add anchor point, delete anchor point and convert point tools.
- **Rectangle:** this tool allows you to draw different shapes, with the default set to rectangle. You can also draw rounded rectangles, ellipses, polygons, lines and custom shapes.
- **Notes:** this tool is used to add notes to an image. They are not part of the image but can be useful when sharing the image as the image author can add valuable information about the image to the image file so others can appreciate what is intended by an image. The companion tool to this tool is the audio annotation tool, which allows a user with a microphone attached to their computer to add a “speaker note” to the image to convey information to other users of the image.

Photoshop tools

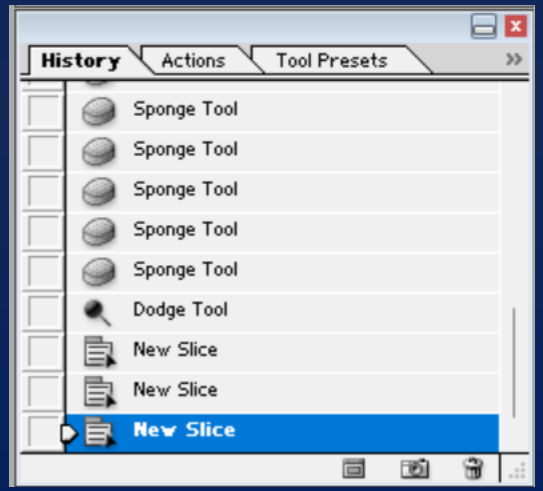
- **Eyedropper:** this tool allows you to set the colour of the foreground of the colour palette from a colour within the image. The companion tools are the colour sampler tool and the measure tool, which can be used to get the exact coordinates and pixel height and width of any part of the image.
- **Hand:** allows you to move an image around the screen to allow access to various parts of the image when the image is too big for the screen.
- **Zoom:** allows you to magnify/de-magnify areas of an image to allow for more detailed work.

Palettes

- In the work area there are a number of palettes visible to the user. These palettes contain useful functions for manipulating images. A complete list of palettes and the option to turn them on or off is visible under the window menu.
- Each palette can be made visible by clicking the tab with its name on it. The most important palettes are:
  - History palette
  - Layers palette
  - colour, styles and brushes palettes

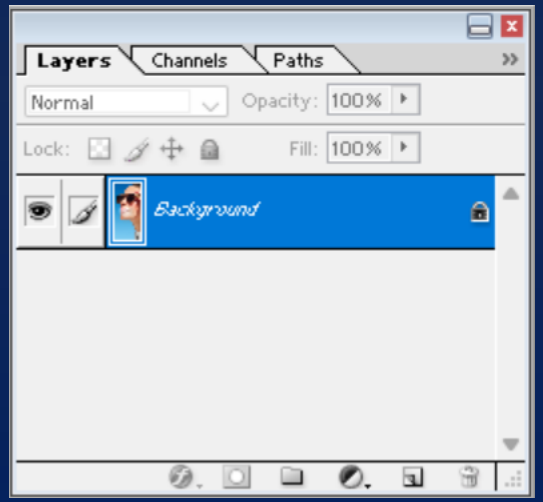
The History palette

- The History palette, which allows you to view the history of actions that youhave performed on an image and to undo those actions while also providing you with the opportunity to save these actions for repeated use.



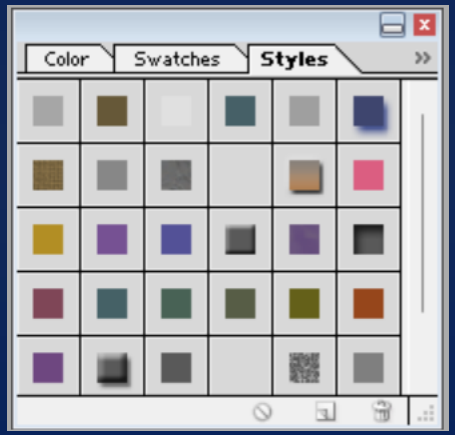
The Layers palette

- The Layers palette, which allows you to efficiently manage the different layers in your image. From here, you can lock a layer so that it can't be edited, add image effects, create and delete layers, set the opacity of a layer and many other things that help you to create images cleanly and efficiently.



The colour, styles and brushes palettes

- The colour, styles and brushes palettes are also two very important palettes, giving you continued variety when creating and manipulating images.



THANK YOU

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