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DIGITAL PHOTO ENHANCEMENT

Gimp is a freeware image editing and manipulation program. It is similar to Photoshop in many ways: you can add/edit layers, add effects, text, among many other things. Gimp is a free program, you can download it here: http://www.gimp.org/downloads/
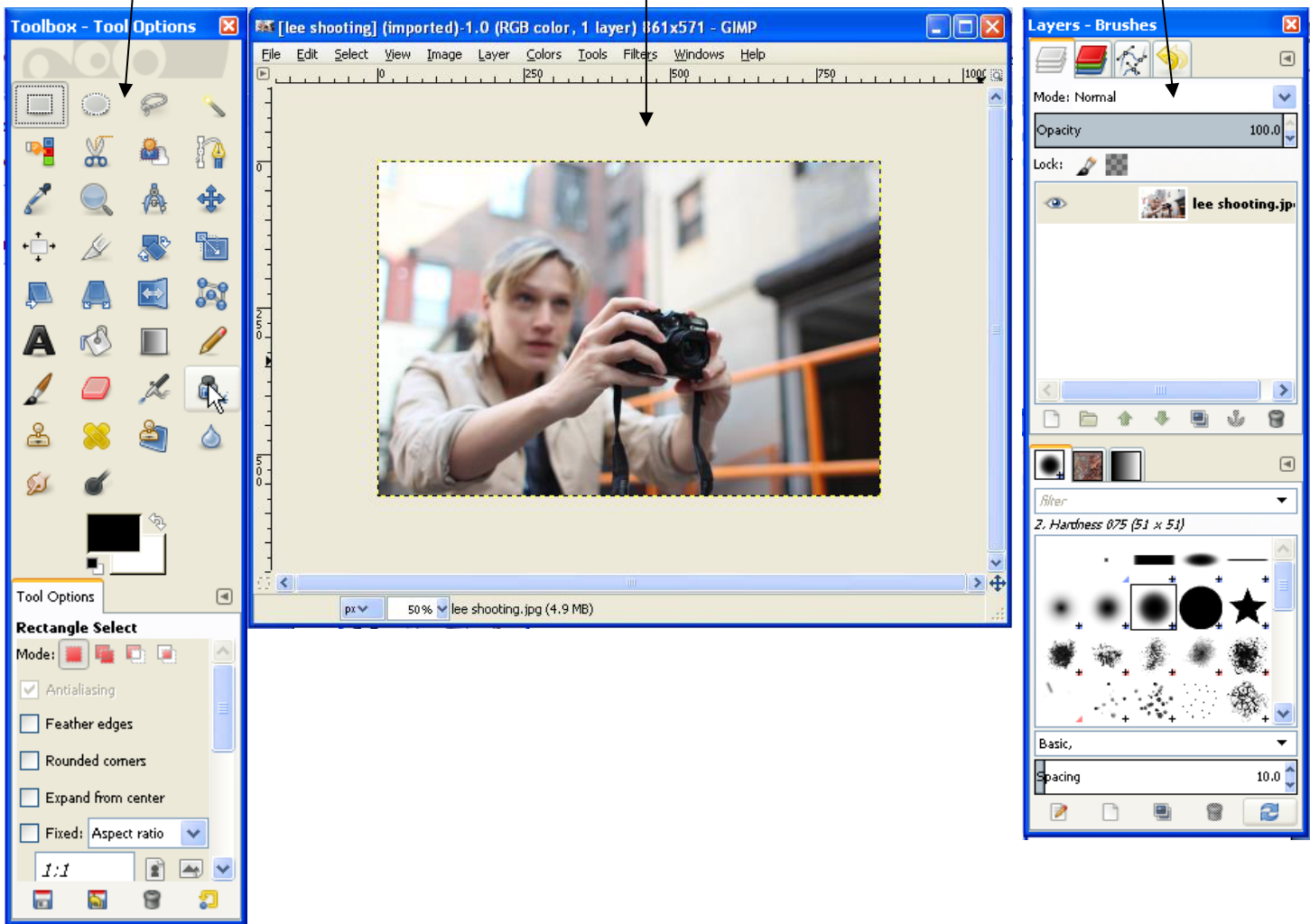
Basic interface
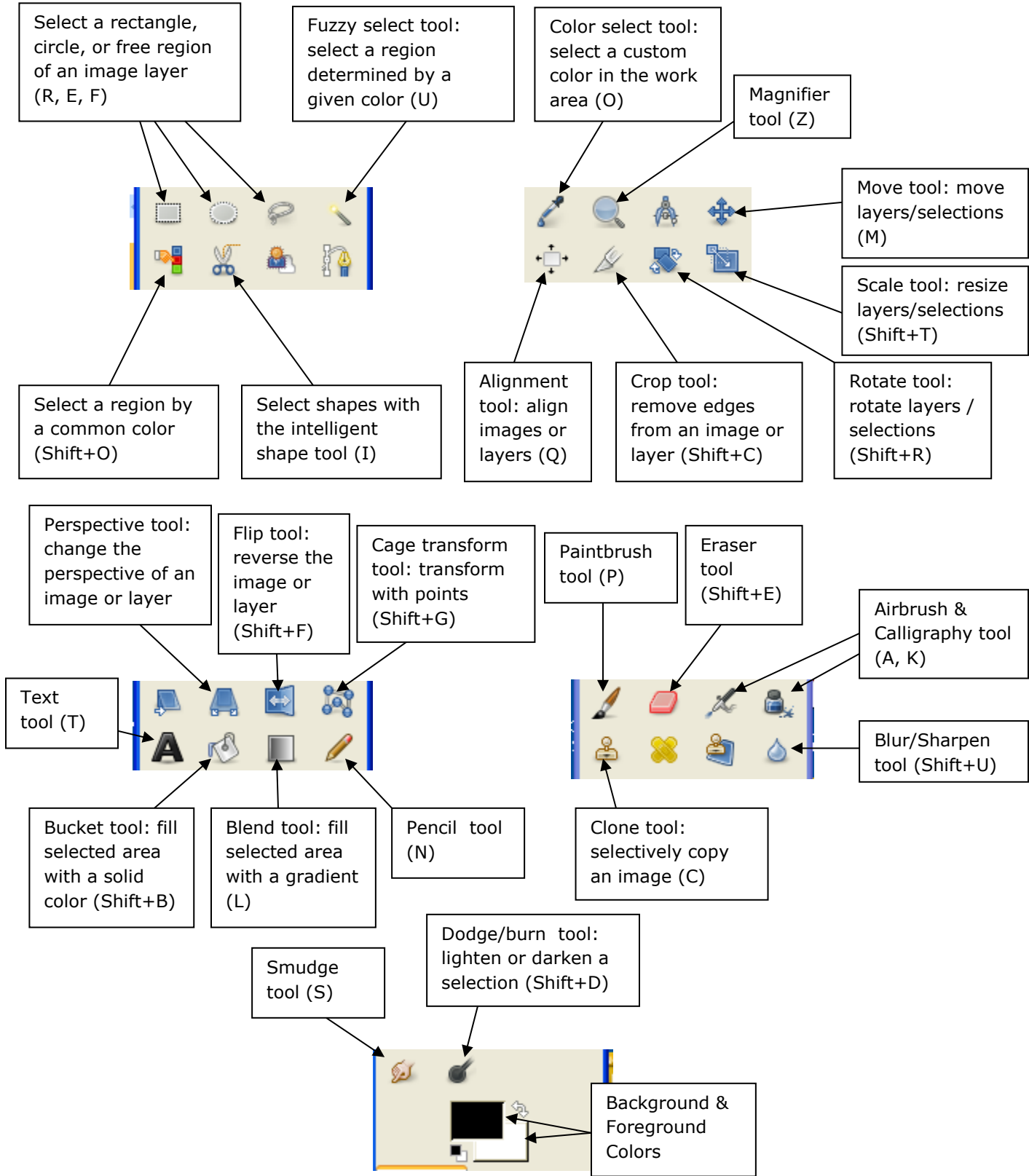
There are three main windows in Gimp:

Toolbox: these are all of the tools for editing your image

Work Area: the workspace for editing

Layers-Brushes: access to layers & brush styles (switch tabs to access other window options)

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The Toolbox – Tool Options window

Select a rectangle, circle, or free region of an image layer (R, E, F)

Fuzzy select tool: select a region determined by a given color (U)

Color select tool: select a custom color in the work area (O)

Magnifier tool (Z)

Move tool: move layers/selections (M)

Scale tool: resize layers/selections (Shift+T)

Select a region by a common color (Shift+O)

Select shapes with the intelligent shape tool (I)

Alignment tool: align images or layers (Q)

Crop tool: remove edges from an image or layer (Shift+C)

Rotate tool: rotate layers / selections (Shift+R)

Perspective tool: change the perspective of an image or layer

Flip tool: reverse the image or layer (Shift+F)

Cage transform tool: transform with points (Shift+G)

Paintbrush tool (P)

Eraser tool (Shift+E)

Airbrush & Calligraphy tool (A, K)

Text tool (T)

Blur/Sharpen tool (Shift+U)

Bucket tool: fill selected area with a solid color (Shift+B)

Blend tool: fill selected area with a gradient (L)

Pencil tool (N)

Clone tool: selectively copy an image (C)

Dodge/burn tool: lighten or darken a selection (Shift+D)

Smudge tool (S)

Background & Foreground Colors

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Layers-Brushes Pane

This slider adjusts the opacity of a selected layer

These are the layers in your project. You can turn them on or off by clicking the picture of the eye next to each layer

The green arrows move the layer up and down in order

This button creates a new layer

This button duplicates a selected layer

Click here to create a new group of layers (folder)

Click the trashcan to delete a selected layer

These are a selection of brush styles

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Using the tools you learned in class

To save an image as a multi-layered project
•In the toolbar, Go to File → Save as → YOURNAME.xcf (.xcf is a Gimp file format)

To export an image to another more usable format (.jpeg, .png, .psd)
•In the toolbar, Go to Export → select file type, choose desired format, choose destination, click export

To use the red eye removal filter for fixing red eye in an image
•Duplicate layer
•In the toolbar, Go to Filters → Enhance → Red eye removal
•Slide the threshold fader to remove red eye to the desired level

To fix an old photo with rips, tears or holes
•Duplicate layer
•Click on clone stamp tool
•Press and hold the command key while clicking on the source to select the "good" part of the image to replicate it
•Click to paint over white spots or tears

To remove a person or object from an image
•Duplicate layer
•Click on clone stamp tool
•Press and hold the command key while clicking on the source to select the "good" part of the image to replicate it
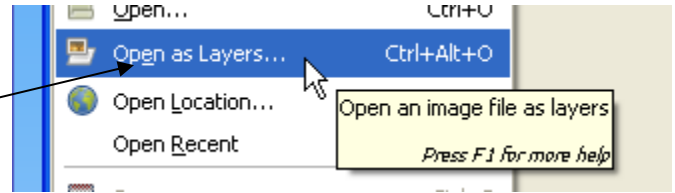•Click to paint over the person or object to remove it

← Clone tool
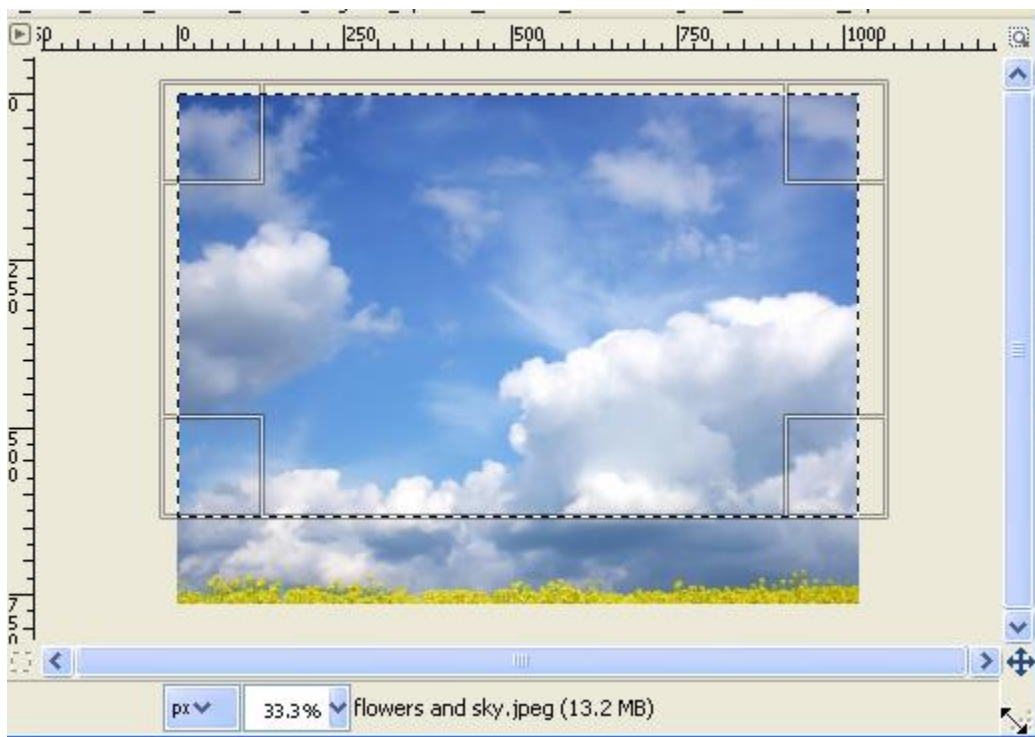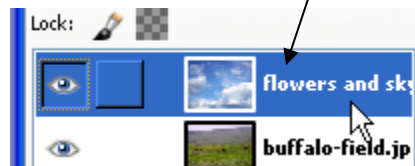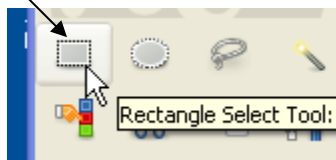
Creating a layered image with Gimp

Download the media here: http://bit.ly/K9YMqc

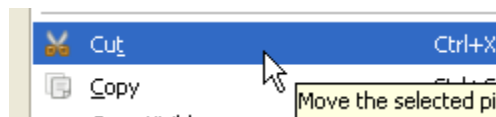Open Gimp, then open "buffalo-field.jpeg" by choosing "Open as Layers"
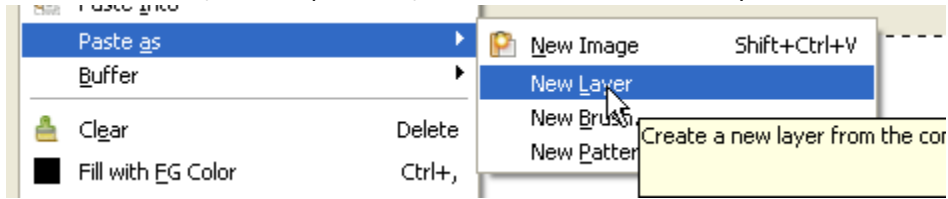
Open "flowers and sky.jpeg" as layers

Using the rectangle selection tool, select the top half of the sky. Make sure that the "flowers and sky.jpeg" layer is selected:
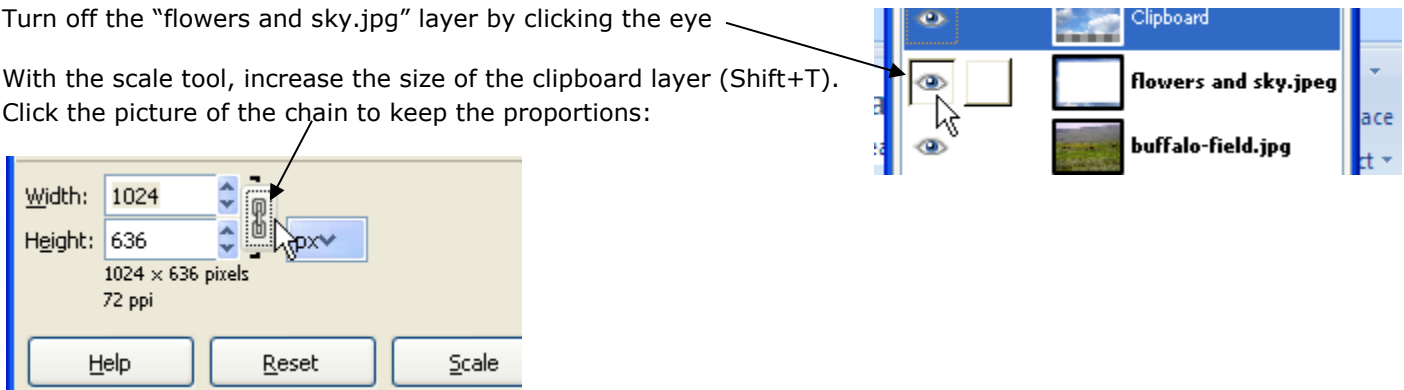

In the edit menu, select "cut"

In the edit menu, select "paste as," and then choose "new layer"

Paste as ▶	New Image	Shift+Ctrl+V
Buffer ▶	New Layer	
	New Brush	
Clear	Delete	Create a new layer from the con
Fill with FG Color	Ctrl+,	

Turn off the "flowers and sky.jpg" layer by clicking the eye

With the scale tool, increase the size of the clipboard layer (Shift+T). Click the picture of the chain to keep the proportions:
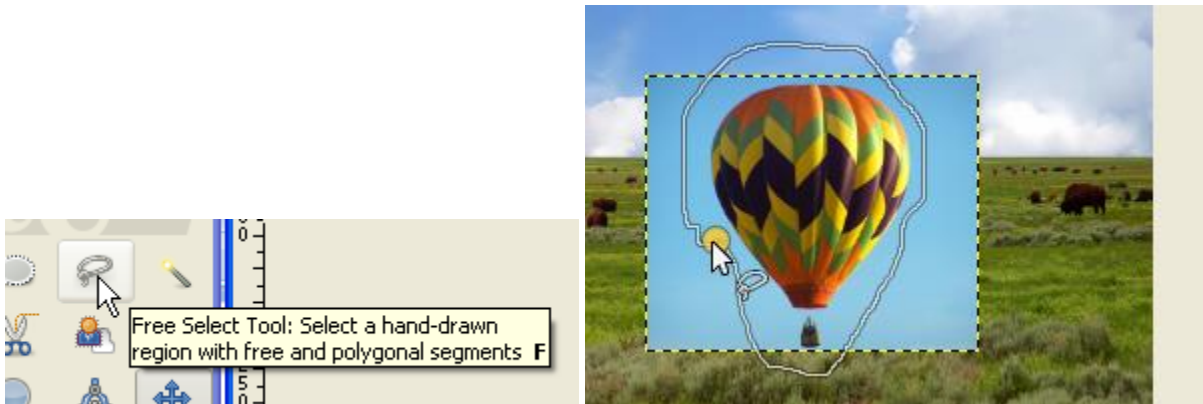
Width: 1024
Height: 636
1024 × 636 pixels
72 ppi

Help   Reset   Scale

Move the layer to the top of the image canvas with the move tool (M)
Your image should look something like this:

px   33.3%   Floating Selection

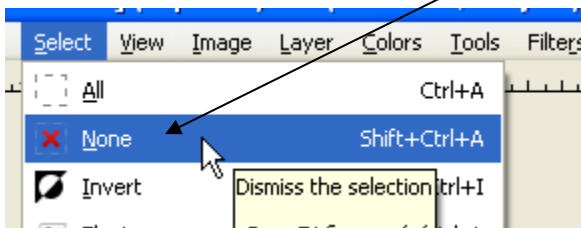Save the project

Open "hot air balloon2" as layers

With the free select tool (F), draw a circle around the balloon to select it:
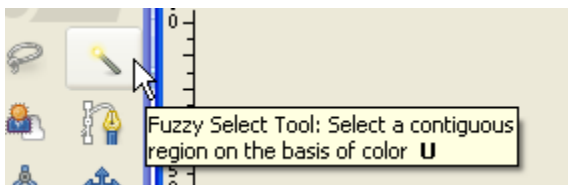

Cut the selection, then paste as a new layer

Turn off the "hot air balloon2.jpg" layer by clicking the picture of the eye

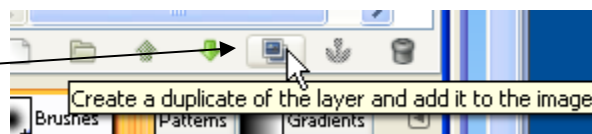On the "Selection" menu, choose "select none" (Shift+Ctrl+A):

With the fuzzy selection tool (U), select the blue around the edges of the balloon, then hit the delete key on the keyboard to delete the blue. Keep selecting and deleting the remaining blue:

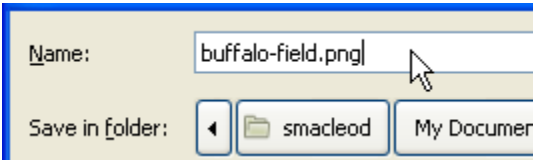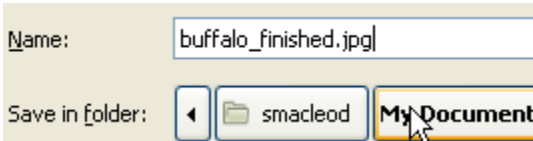Resize the modified balloon with the scale tool

Duplicate the balloon twice by clicking on this button: ⟶

Resize the other two balloon layers with the scale tool, and reposition them with the move tool. Your image should now look something like this:

Export the image by going to the File menu and clicking on "Export." Gimp defaults by saving it as a Jpeg image. You can also save as a .PNG (Portable Network Graphic image) .GIF/.TIF etc. by choosing the correct extension.

Click export, and a dialog box will open. Choose the quality that you want the image to be exported, and then click "Export."