

Sun City Summerlin Computer Club Seminar

Introduction to Image Editing with

Photopea

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Where to Find the Materials

- **Sun City Summer Computer Club Website:**
 - <https://www.scscclub.com/smnr>
- **Direct Hyperlink**
 - <https://www.scscclub.com/smnr/IntroductiontoPhotopea.pdf>

Seminar Agenda

- **Introduction**
- **Getting Started With Photopea**
- **The Photopea Main Window**
- **Four Image Projects *Interspersed***
- **The Photopea Tool Palette**
- **Basic Image Editing Actions**
- **The Photopea Color Pane**
- **The Photopea Menu Bar**
- **Using Photopea Layers**
- **Using Photopea Filter Tools**
- **Saving in Various Formats**
- **Printing (via Browser or Other Program)**

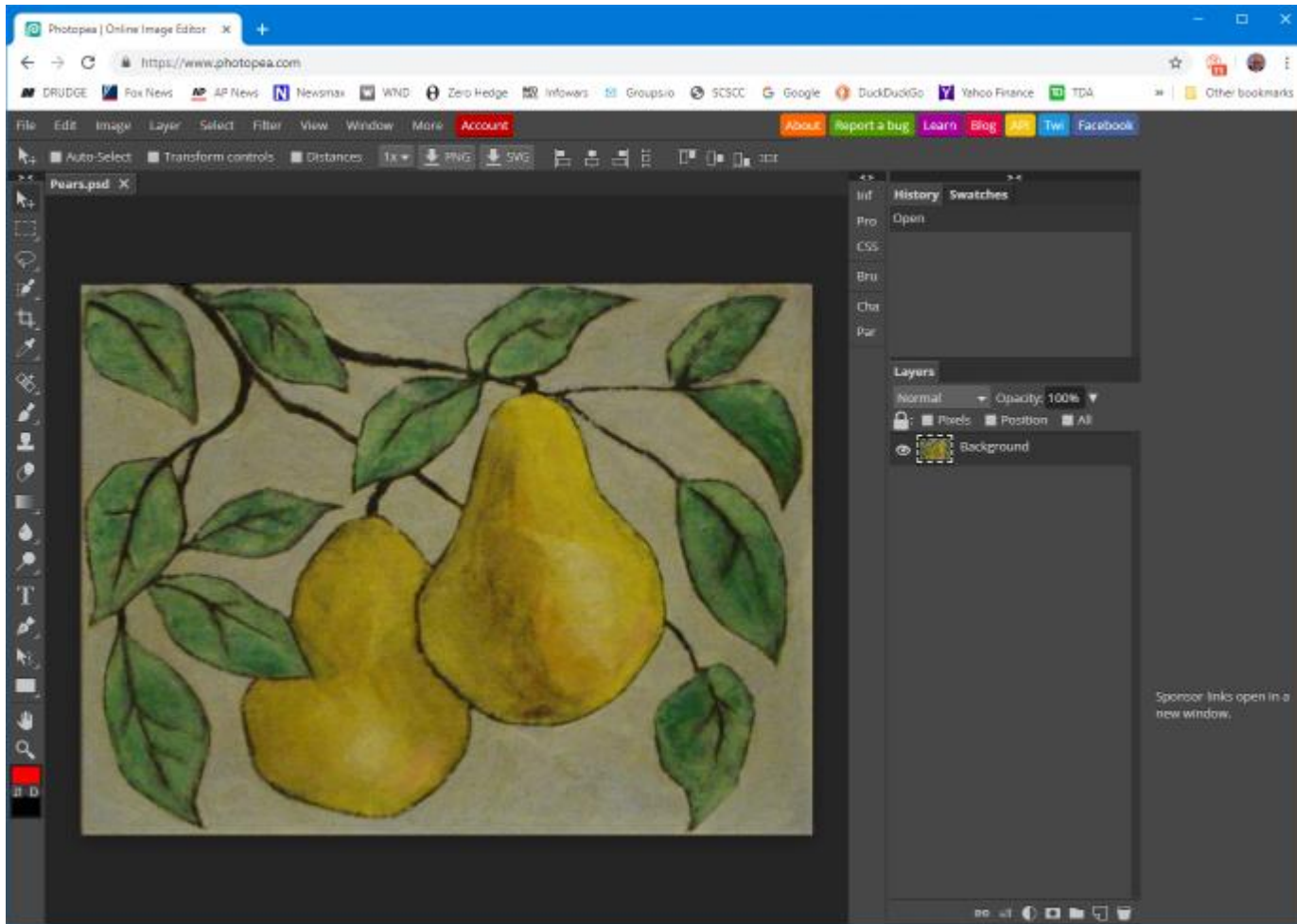
Introduction

- **Photopea is a FREE “open source” image editor.**
 - Entirely web-based, so works on Windows, MacOS, Linux, any device with a web browser.
 - Can run in your browser or you can “install” it.
- **Has many nice features.**
 - Can be simple but has many powerful features.
 - Very similar to Adobe Photoshop.
- **This seminar will focus on most useful features for “mere mortals”.**
- **Ask your questions as we go.**
- **To demonstrate features, we’ll work on several interesting photo projects.**

Getting Started With Photopea

- Go to the Photopea website: <https://www.photopea.com/>
- The Photopea main window will open (see next slide).
- You can click the Account button to set up a free account or to purchase a paid (add-free) account.
- You can click the “Learn” button to go to an online tutorial and reference guide.
 - If you’re familiar with Photoshop or Photoshop elements, Photopea should be an easy transition.
- You can use the File > Open menu or the “Open From Computer” option to open an existing image file.
- Photopea is able to open project files from Photoshop, GIMP
- Photopea saves project information using the Photoshop (.psd) format.

The Photopea Main Window



Introduction to Photopea

Photopea Tool Palette Pane



- **Hover over each tool to get a tool-tip name and secondary selection options**
- **The various tools let you select or act on areas of the image or current layer.**
- **The tools that paint or edit pixels interact closely with the color window.**
- **You can zoom in and out by pressing:**
 - **Ctrl + (in), Ctrl – (out), Ctrl 0 (actual size)**
- **Now we'll run through a demo of the most commonly used tools in Project 1 ...**

Example Project 1 – Straightening a Photo (1)

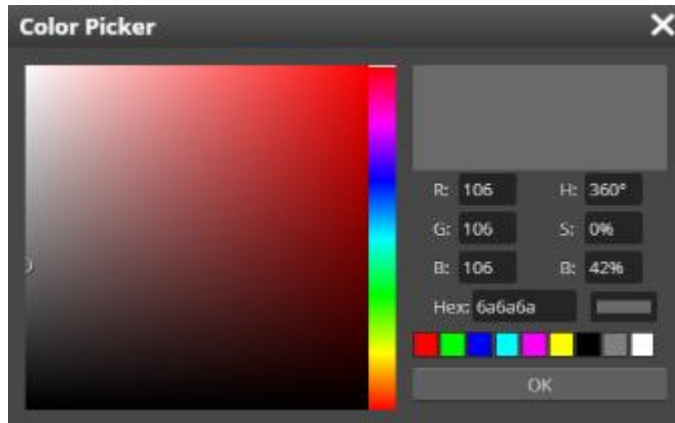
- Working with a photo of a painting.
- Suffers from perspective distortion and skew.
- Also slightly over-exposed.



Example Project 1 – Straightening a Photo (2)

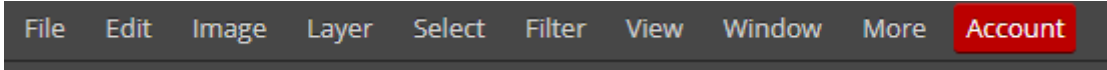
- **Rotate as needed (drag at corners).**
- **Crop as needed using crop tool.**
 - **May need to fill in corners after rotation.**
- **Correct Skew distortion using perspective tool**
 - **Crop again afterward.**
- **Also adjust the overall contrast of the image.**
 - **Adjust contrast & brightness.**
 - **Experiment with the Levels tool.**
- **Repair any blemishes (spots, cracks)**
 - **Caution – easy to overdo it.**
 - **Use the clone tool, healing brush or spot healing brush**
 - **Use the pencil & paintbrush if needed.**

Photopea Color Pane



- You can set a primary and a secondary color.
- You can work in RGB or HSV.
- You can enter a hexadecimal color number (RGB).
- You will often set the color by using the eyedropper tool.
- Let's demo the color pane.

Exploring the Photopea Menu Bar



The image shows a horizontal menu bar with a dark grey background. The menu items are: File, Edit, Image, Layer, Select, Filter, View, Window, More, and Account. The 'Account' item is highlighted with a red background.

- The photo editing capability of Photopea is in the menu bar.
- The Image menu provides adjustments, resizing and gross transformations.
- The Layer menu offers a rich array of layer functions that we will use in later projects.
- The Filter menu provides a rich array of special effects, plus some common actions like red-eye removal.
- Let's explore some of the menu bar actions as we do Project 2.

Example Project 2 – Restore an Old Photo (1)

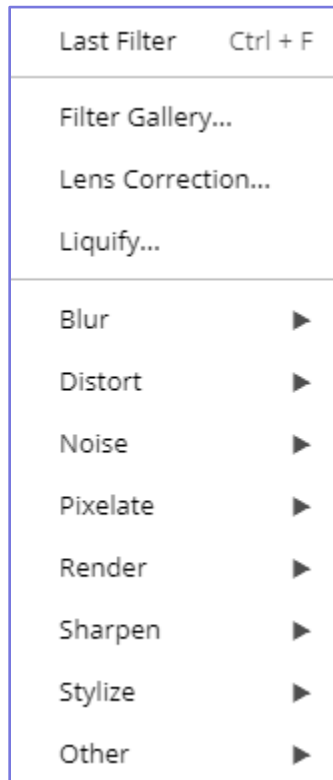
- Original very old photo was faded, had some cracks, spots and loss of detail.



Example Project 2 – Restore an Old Photo (2)

- **Rotate and Straighten as needed.**
- **Crop as needed using crop tool.**
 - **May need to fill in corners after rotation.**
- **Also adjust the overall contrast of the image.**
 - **Try the desaturate adjustment.**
 - **Adjust contrast & brightness.**
 - **Experiment with the Levels tool.**
- **Then repair blemishes (spots, cracks)**
 - **Caution – easy to overdo it.**
 - **Use the clone tool, healing tool or spot healing tool.**
 - **Use the pencil & paintbrush.**
- **Resize to enlarge if small.**

Using the Photopea Filter Menu



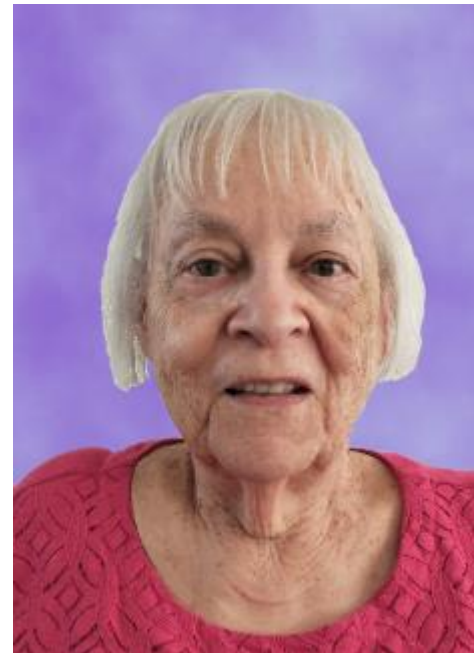
- **Many effects available**
- **Lens Corrections**
- **Distortions**
- **Blurs & Sharpening**
- **Can Render Clouds for Backgrounds**
- **Pixelation Effects**
- **Let's Experiment!**

Photopea Layers

- A Photopea “image” is comprised of one or more layers, stacked vertically. The image you see is the composite of viewing through all the layers, top to bottom.
- The background layer is usually the base image, sometimes a background pattern or image.
- Each layer applies its modifications to the layers below it.
- You can reorder the layers to change how they affect the composite image.
- You can also merge or flatten layers when you have the desired effects.
- Let’s look at some simple layer actions as we do Project 3.

Example Project 3 – Portrait Retouch (1)

- Original image shot against a plain wall, problems with hair, bra-strap, composition, shadows.
- Reworked to composite with a different background.



Example Project 3 – Portrait Retouch (2)

- **Crop the image as needed.**
- **Adjust the overall contrast, brightness & saturation of the image.**
 - Use the spot healing brush to get rid of flash reflections and other blemishes.
- **Paint out the background using the eraser tool**
 - **Patience – this can be tedious. When close to the subject, work in short steps.**
 - **Can always press Ctrl+Z if make a mistake.**
- **Add a new layer and move to the background**
 - **Hide the layer containing the portrait image.**
 - **Color the background layer in some interesting, complementary pattern.**
 - **I used the clouds filter with two complimentary colors.**
 - **Unhide the layer with the portrait image.**
 - **If all was done well, you should have a clean composite.**
- **Export the finished image as a .png file.**
- **Save the project as a .psd file.**

Example Project 4 – Layer Effects (1)

- Take a scenic vista and add a frosted border effect using a layer with a hole in it.



Example Project 4 – Layer Effects (2)

- **Open and adjust the overall contrast, brightness & saturation of the original image as needed**
- **Add a new layer with solid fill**
 - I used a medium light blue-gray but experiment.
 - Move the new, solid layer to the top and select it.
 - Use the rectangle select to draw a rectangle on top of the solid layer. Draw it so its edges are equidistant from the edges of the solid layer.
 - Now press the Delete key to make a transparent hole in the gray layer.
 - Adjust the transparency of the gray layer to about 50%.
- **Export the finished image as a .png file.**
- **Save the project as a .psd file.**

Saving / Exporting in Various Image Formats

- **Click the File menu.**
 - A list of action choices will appear in the menu.
- **Click “Export As”.**
 - This will open a classic “Save As” dialog.
 - You can choose the file name, folder and file type.
 - “Flattened” types include: .BMP, .PNG, .GIF, .JPG, .TIFF and .TGA
- **When you have the Save settings defined, click the “Export” button.**
 - Photopea will display a second dialog that is dependent on the file type, asking for more specifics. Choose the desired settings and then click OK.
- **Let’s explore Exporting further... (demo).**
- **You can also Save the project file as a .PSD (Photoshop) file, which retains all the separate layers and actions. Use this if you are saving in the middle of working on a complex image project.**

Printing Photopea Images

- **Photopea's Print function is on the File menu.**
- **But ... You can only print to a PDF or to an image file.**
- **You can open the PDF file with a PDF viewer such as Adobe Reader and then print it.**
- **You can also open the exported final image file in your favorite other image editor or insert it into a Word document. The new Windows Photos program is good for this.**
- **Then use the Print function of that program to actually print the image to a printer.**

Final Q and A

Final Questions and Answers

Introduction to Photopea