

CREATIVE WORKSHOP

Boosting Content Production (Part 1 of 2)

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Adobe Creative Cloud



Introduction

Creative Workshops are a chance to gain hands-on experience using Adobe Firefly with real-time guidance from an experienced creator. Each event features different use cases and provides a demo with step-by-step instructions.

What is Adobe Firefly?

A natural extension of the technology Adobe has produced over the past 40 years, Firefly is a new family of creative generative AI models integrated in Adobe products. These models offer new ways to ideate, create, and communicate while significantly optimizing creative workflows.

The Adobe Firefly Advantage

Designed to be safe for business

Firefly is trained on Adobe Stock's high-res, high-value assets, as well as openly licensed and public domain content. We do not mine the web or video hosting sites for content.

Creators own the content

Adobe makes no claims, and never has, to owning your content, regardless of how it was created, including what you create with Firefly.

Integrated workflows

Generative AI capabilities are seamlessly integrated into the Adobe apps you already use today.

Content Authenticity Initiative

Secure end-to-end system for digital content provenance through open-source development, cross-industry collaboration, and interoperability of tools.

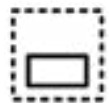
What can I do with Adobe Firefly?

Included in Creative Cloud for enterprise Edition 4



Text to Image

Generate images from a detailed description.



Generative Fill and Generative Expand

Remove objects, paint in new ones, or complete a scene.



Style and Structure Reference

Generate content that matches the reference image.



Style Kits

Generate consistent output with shared templates of references, effects, prompts, objects, and custom models.



Object Composites

Blend product shots and objects into generated scenes.

How can I access Adobe Firefly?

Surfaces and apps with features and functionality powered by Firefly include:

- [Firefly web app](#)
- [Creative Cloud apps including Photoshop and Illustrator](#)
- [Adobe Express](#)
- [Adobe Stock](#)

Exercises

- **Exercise 1:** Removing and adding objects in Photoshop
- **Exercise 2:** Using Generative Fill to replace clothing
- **Exercise 3:** Replacing a background
- **Bonus Exercise:** Blending two images together using Generative Fill

Assets required for the exercises:

- [Stock headshot photo](#) (high resolution license via Adobe Stock)
 - [Stock headshot photo](#) (watermarked version)
- [Snowboarder selfie](#) (high resolution license via Adobe Stock)
 - [Snowboarder selfie](#) (watermarked version)
- [Snowy mountains of the Himalayas](#) (high resolution license via Adobe Stock)
 - [Snowy mountains of the Himalayas](#) (watermarked version)

Exercise 1

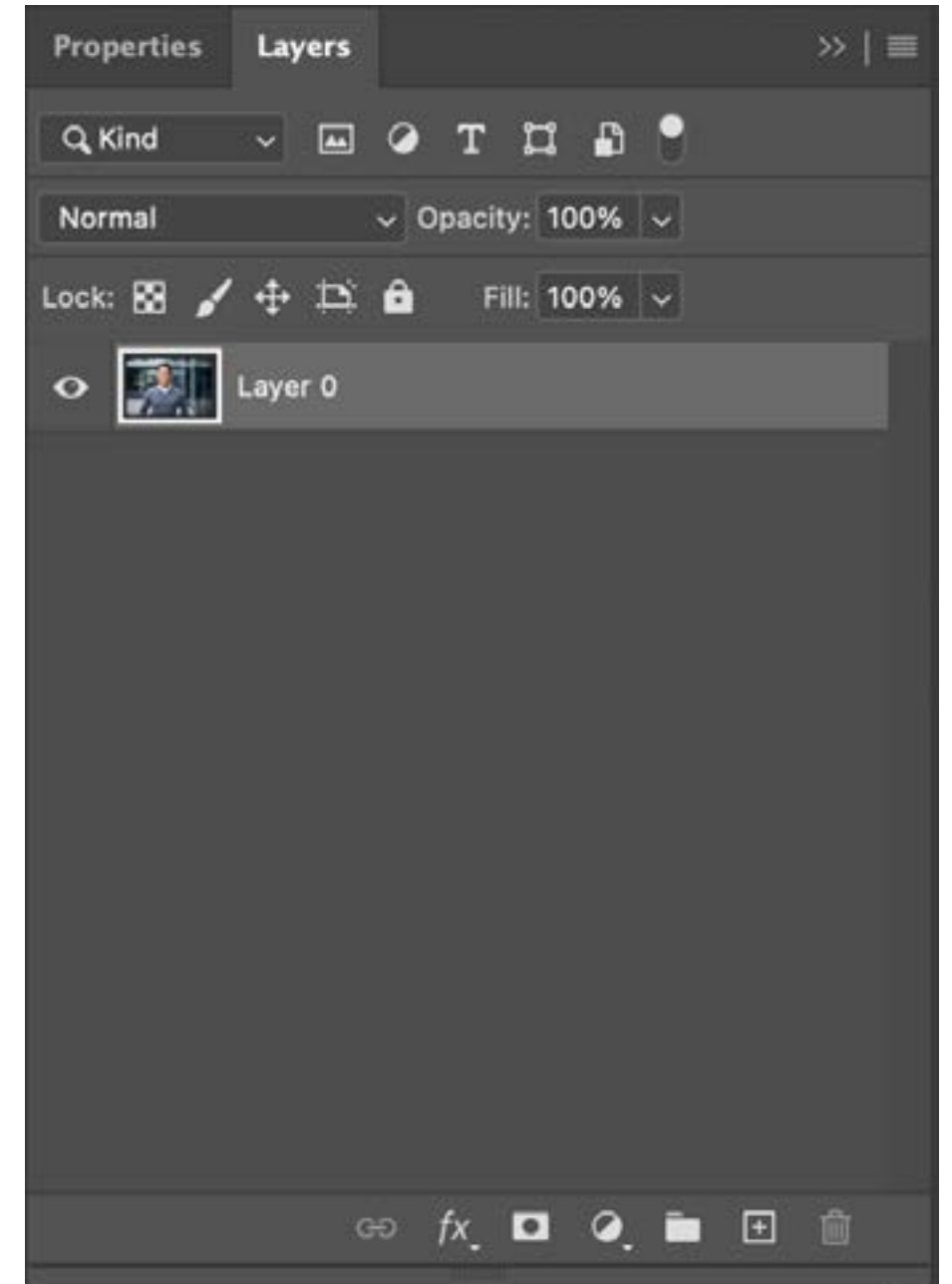
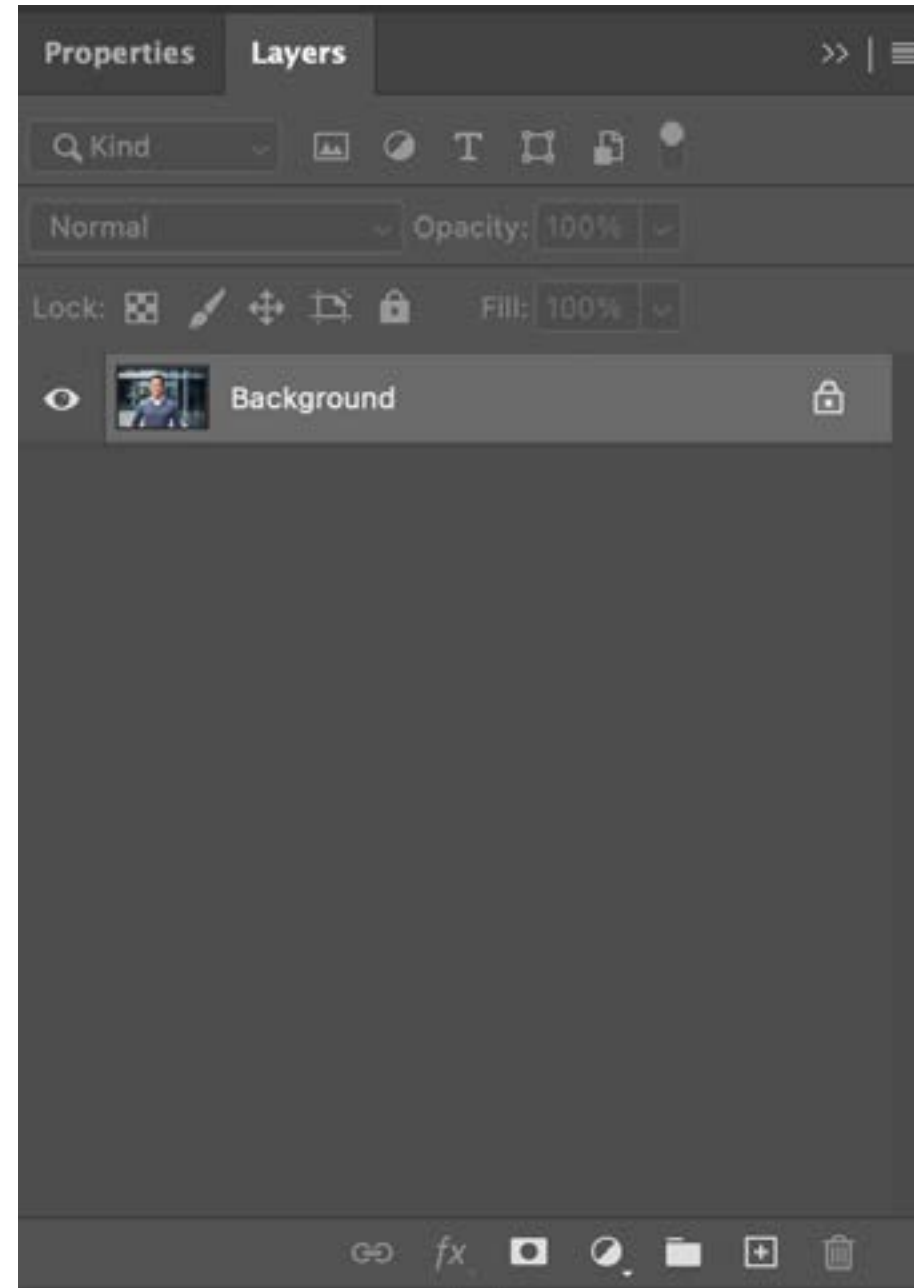
Removing and adding objects in Photoshop

Selecting and removing objects

1. Open the professional headshot image in Photoshop (version 25.11 required)
 - a. [Stock headshot photo](#) (license via Adobe Stock)
 - b. [Stock headshot photo](#) (watermarked version)



2. Navigate to the 'Layers' panel, and click on the lock icon within the 'Background' layer to the right of the selected layer name.



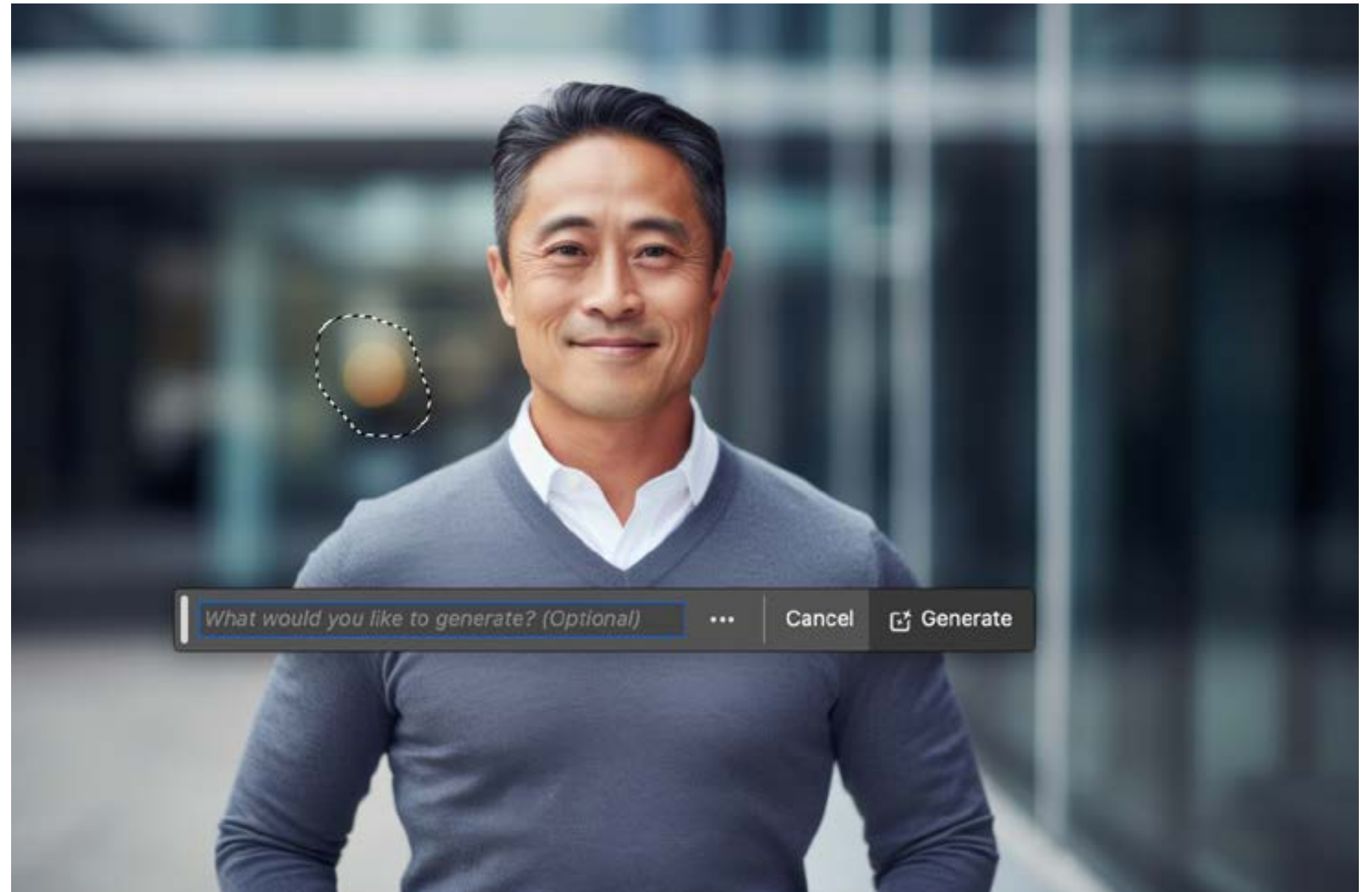
3. Use the 'Lasso' or 'Elliptical Marque' tool to select the glare/reflection on the window behind the subject



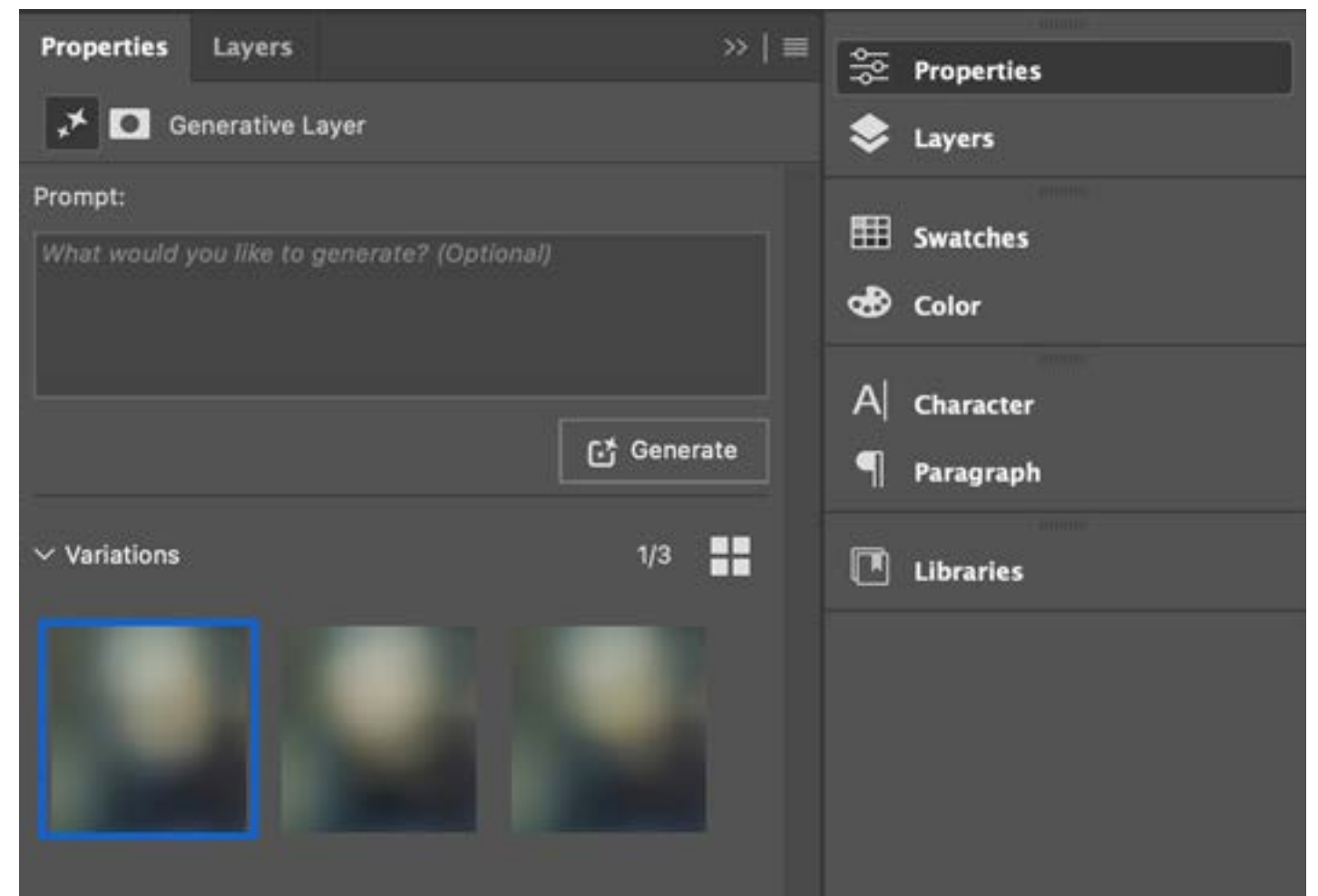
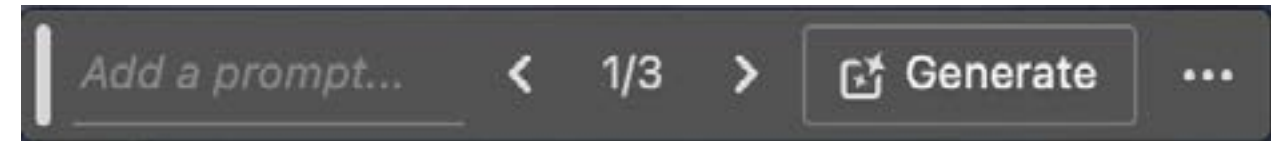
4. Once the object is selected, click the 'Generative Fill' button within the Context Bar



5. Leave the prompt box empty to remove the object, and click the 'Generate' button
 - a. Including a prompt will replace the selected object with the details inputted into the prompt field



- When Firefly is done generating the different variations with the object removed, toggle through the variants within the context bar or within the Properties panel.



Touching up photos using Generative Fill

1. In the same file/photo, identify the areas that you'll be touching up
2. Use the 'Lasso' tool to select the areas you'd like to touch-up
 - a. To make multiple selections, hold down the 'Shift' key when making your selections



3. Once the selections are made, click the 'Generative Fill' button within the Context Bar
4. Leave the prompt box empty to remove the object, and click the 'Generate' button
 - a. Including a prompt will replace the selected object with the details inputted into the prompt field
5. When Firefly is done generating the different variations with the object removed, toggle through the variants within the context bar or within the Properties panel.



Reviewing the recent edits within the Layers panel

1. Open/expand the 'Layers' Panel
 - a. Edits using Adobe Firefly are non-destructive to your original asset
 - b. All 'Generative' edits within Photoshop are done within a new and masked layer allowing you to toggle on/off any changes made to your asset.



Exercise 2

Using Generative Fill to replace clothing

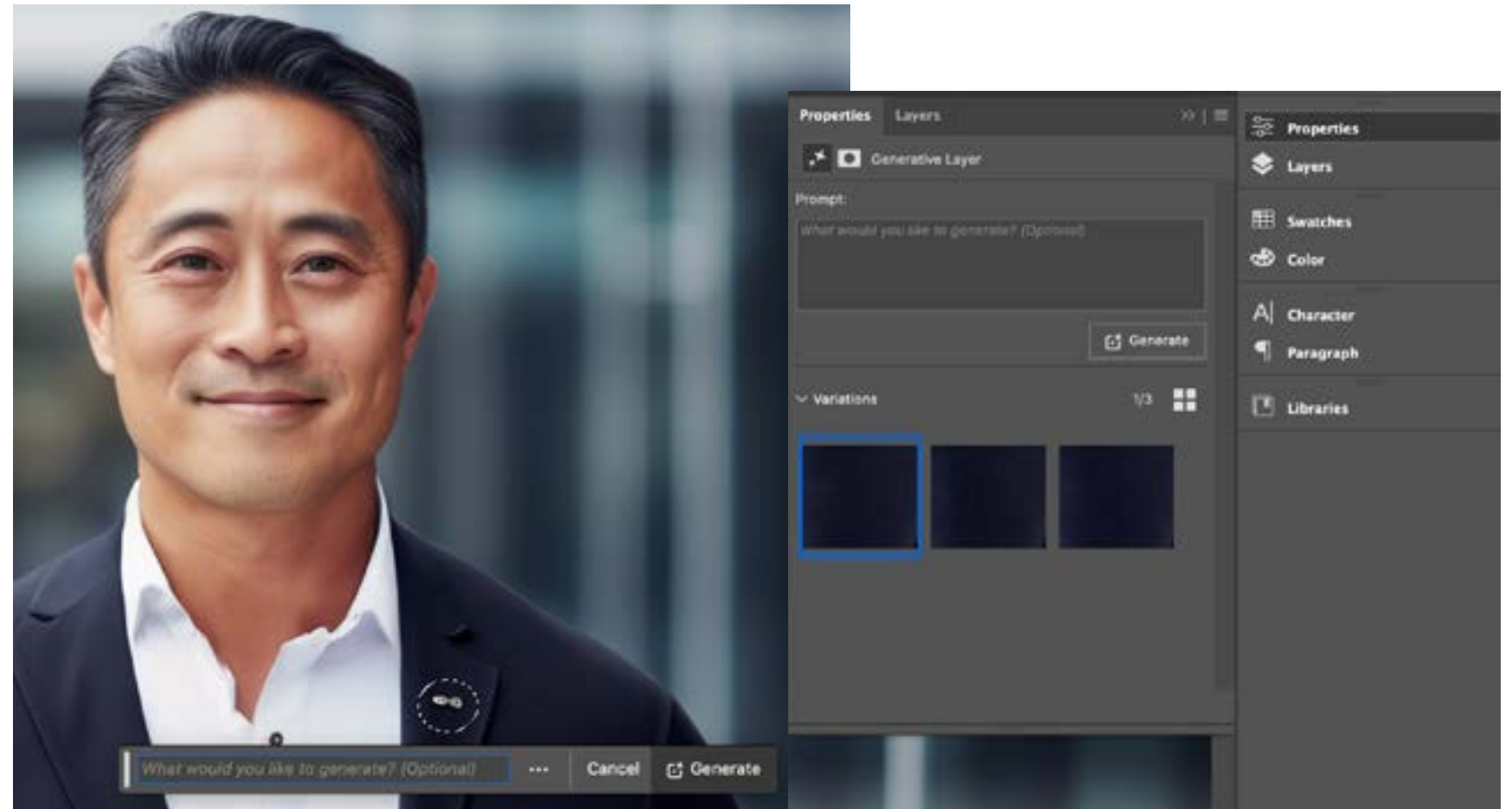
1. Continuing with the same photo, use the 'Lasso' (or other selection tools) to select the current sweater that the individual is wearing



2. Once the selections are made, click the 'Generative Fill' button within the Context Bar
3. In the prompt box, enter a prompt with descriptive keywords with what you'd like to add/change to the existing photo.
 - a. Prompt: a plain red cashmere sweater
 - b. Prompt: wearing a black blazer, open, white casual button-up shirt underneath
4. When Firefly is done generating the different variations, toggle through the variants within the context bar or within the Properties panel to find the best option.
 - a. If necessary, click the 'Generate' button again to see additional options/variants.



5. In most cases, additional edits may be required to acquire the preferred end-result. Use 'Generative Fill' to continue adding/removing objects from the subject and/or newly updated clothing.
 - a. Use the 'Lasso' tool to select the areas you'd like to touch-up.
 - b. Once the selections are made, click the 'Generative Fill' button within the Context Bar
 - To remove: leave the prompt box empty to remove the object, and click the 'Generate' button
 - To Add: in the prompt box include detailed keywords of what you'd like to 'add' within the selection.
 - c. When Firefly is done generating the different variations within the selected area, toggle through the variants within the context bar or within the Properties panel.



Reviewing the recent edits within the Layers panel

1. Open/expand the 'Layers' Panel
 - a. Edits using Adobe Firefly are non-destructive to your original asset
 - b. All 'Generative' edits within Photoshop are done within a new and masked layer allowing you to toggle on/off any changes made to your asset.
 - c. All 'Generative Fill' edits using a prompt will name the newly masked layer with the prompt that was used.
 - Note: If the prompt is changed from the initial prompt used, the layer name will NOT update. The layer name is created with the initial generative edit is made.



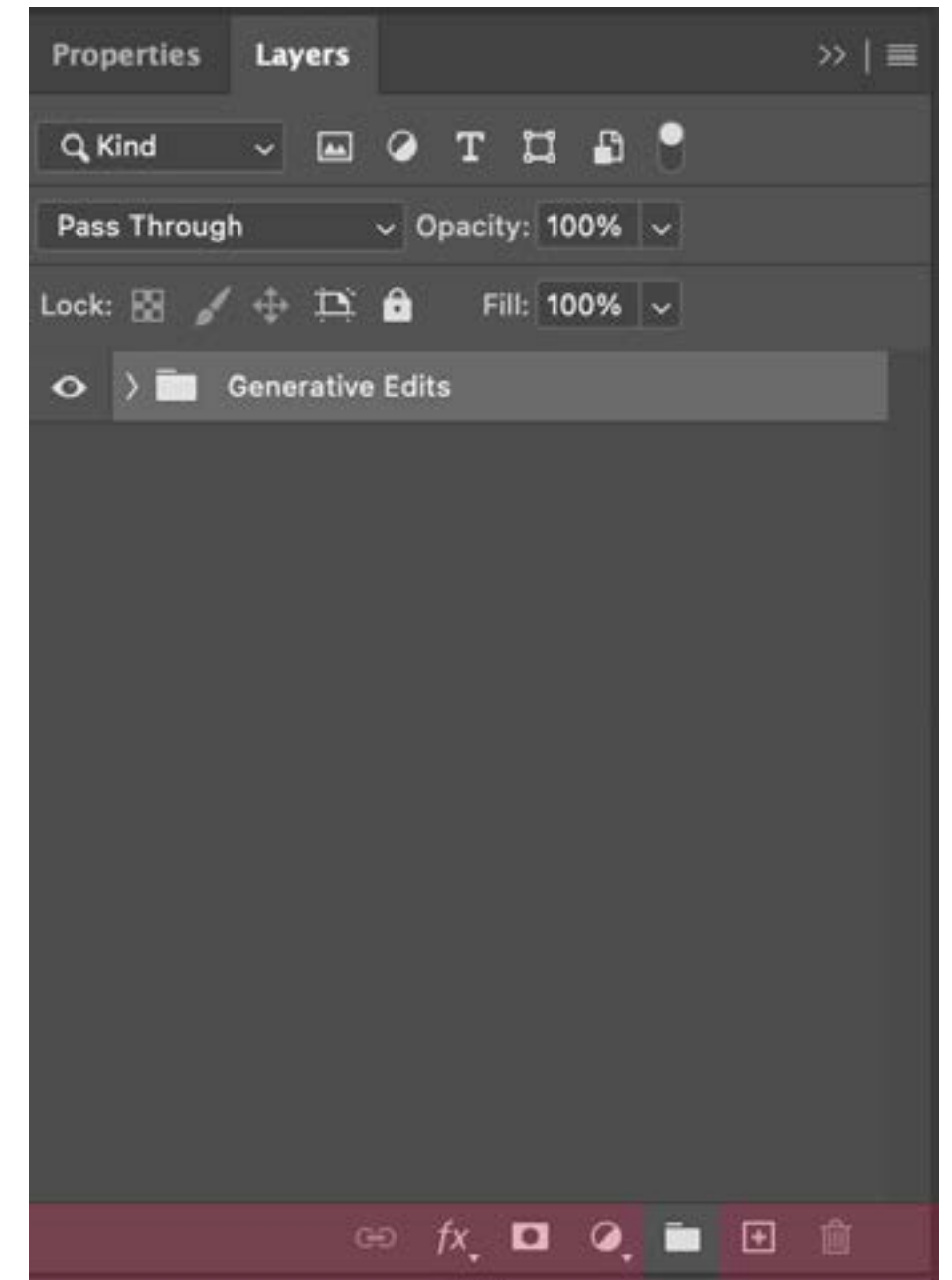
Exercise 3

Replacing a background

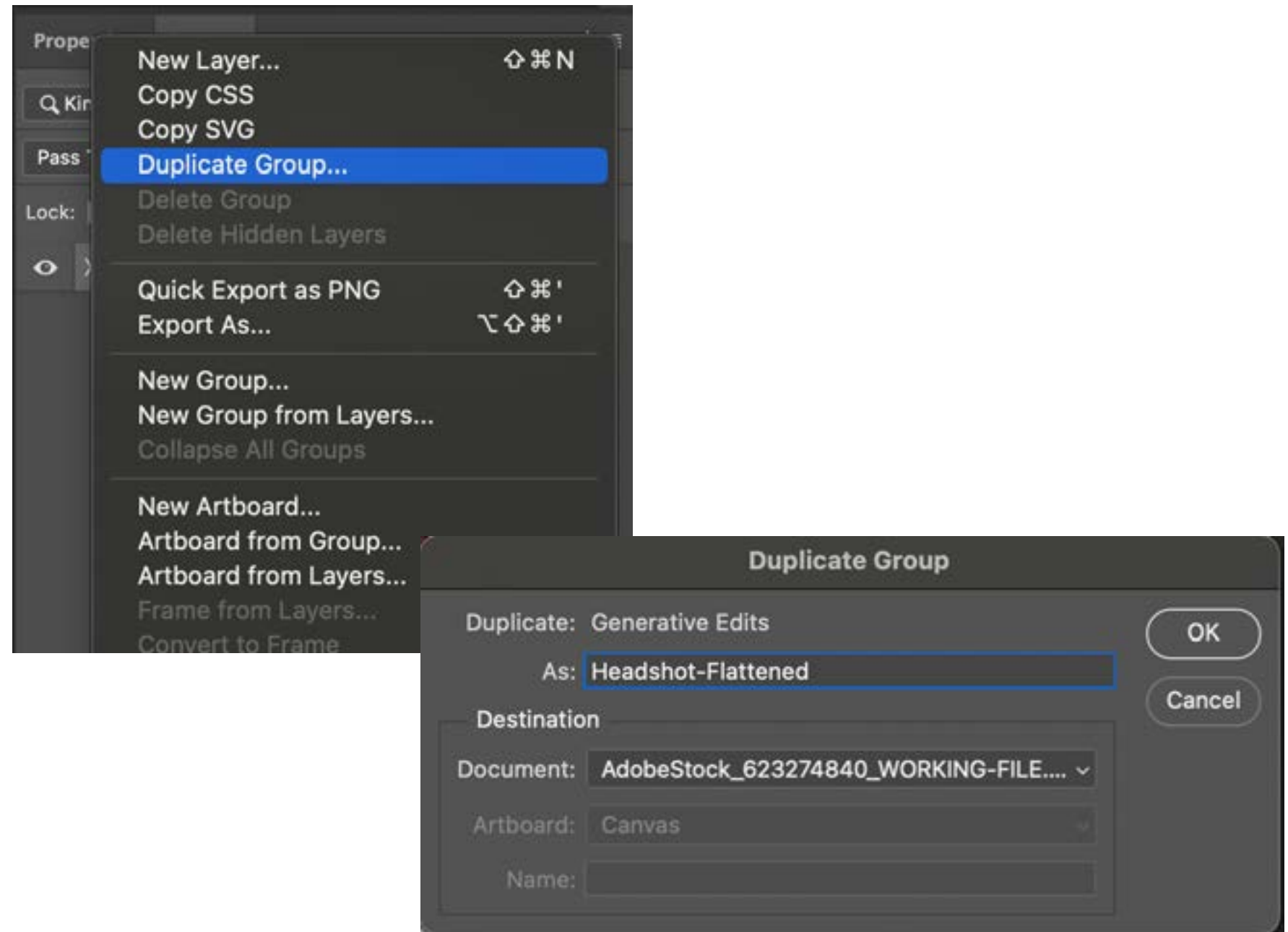
1. Working within the same file, click on the first layer, press and hold the 'Shift' button, and click on the last layer.



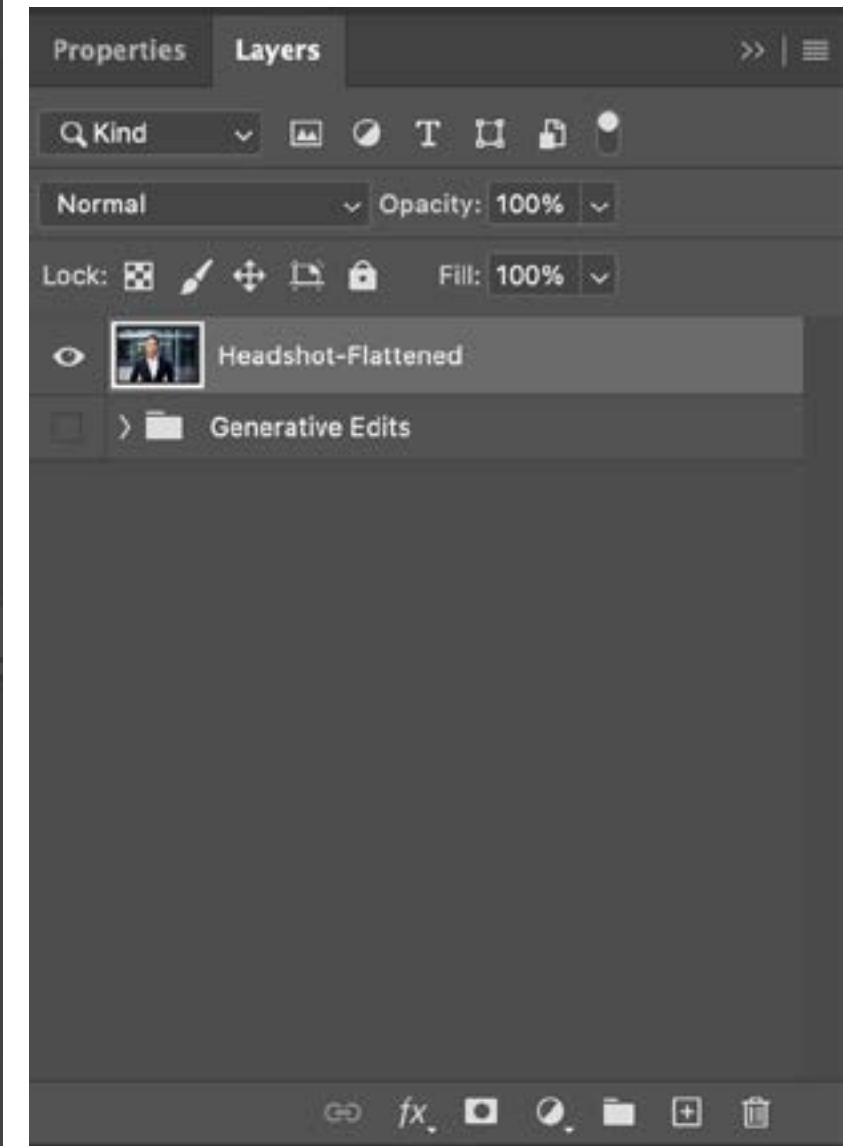
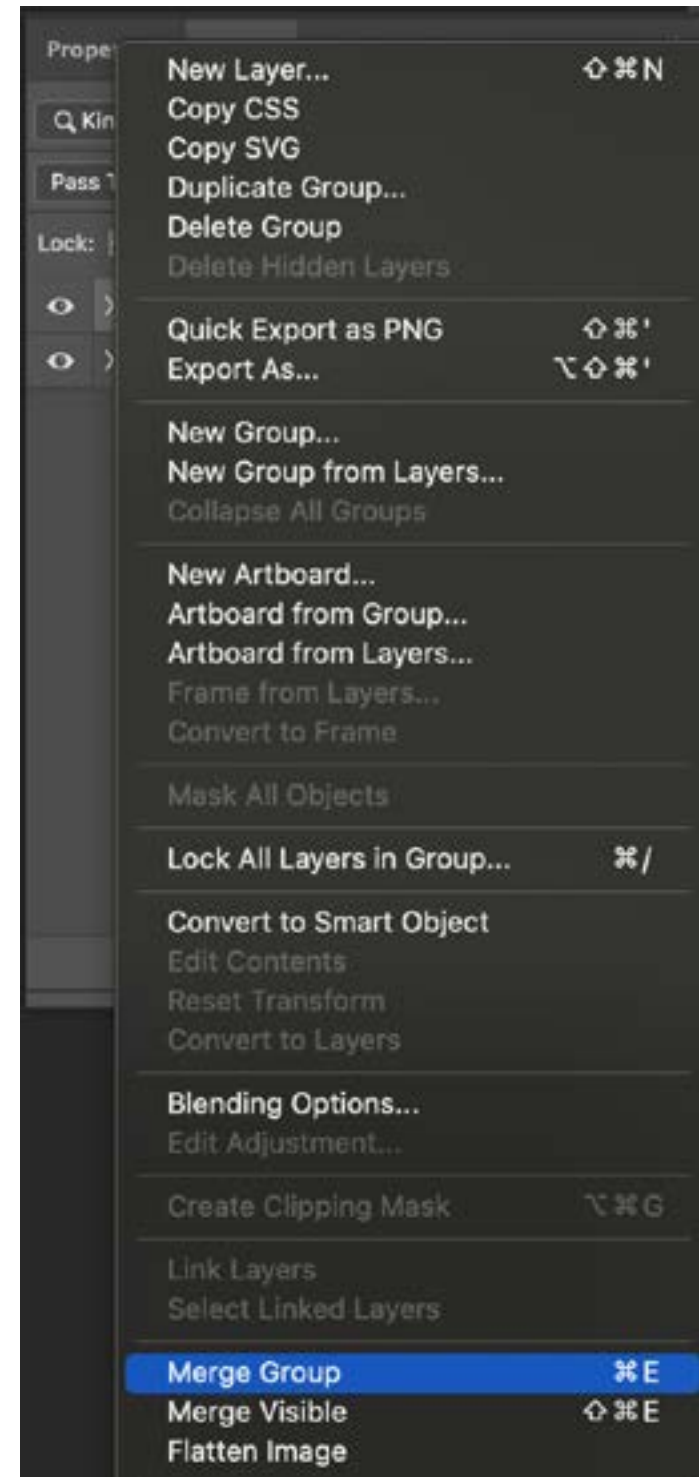
2. With all of the layers selected, click on the 'folder' icon within the layers panel to 'Group' the layers.
3. Name your layer group, 'Generative Edits'



4. After naming your layer group, click on the layer menu icon (four horizontal lines) and select 'Duplicate Group'.
5. Name the layer group, 'Headshot-Flattened'.



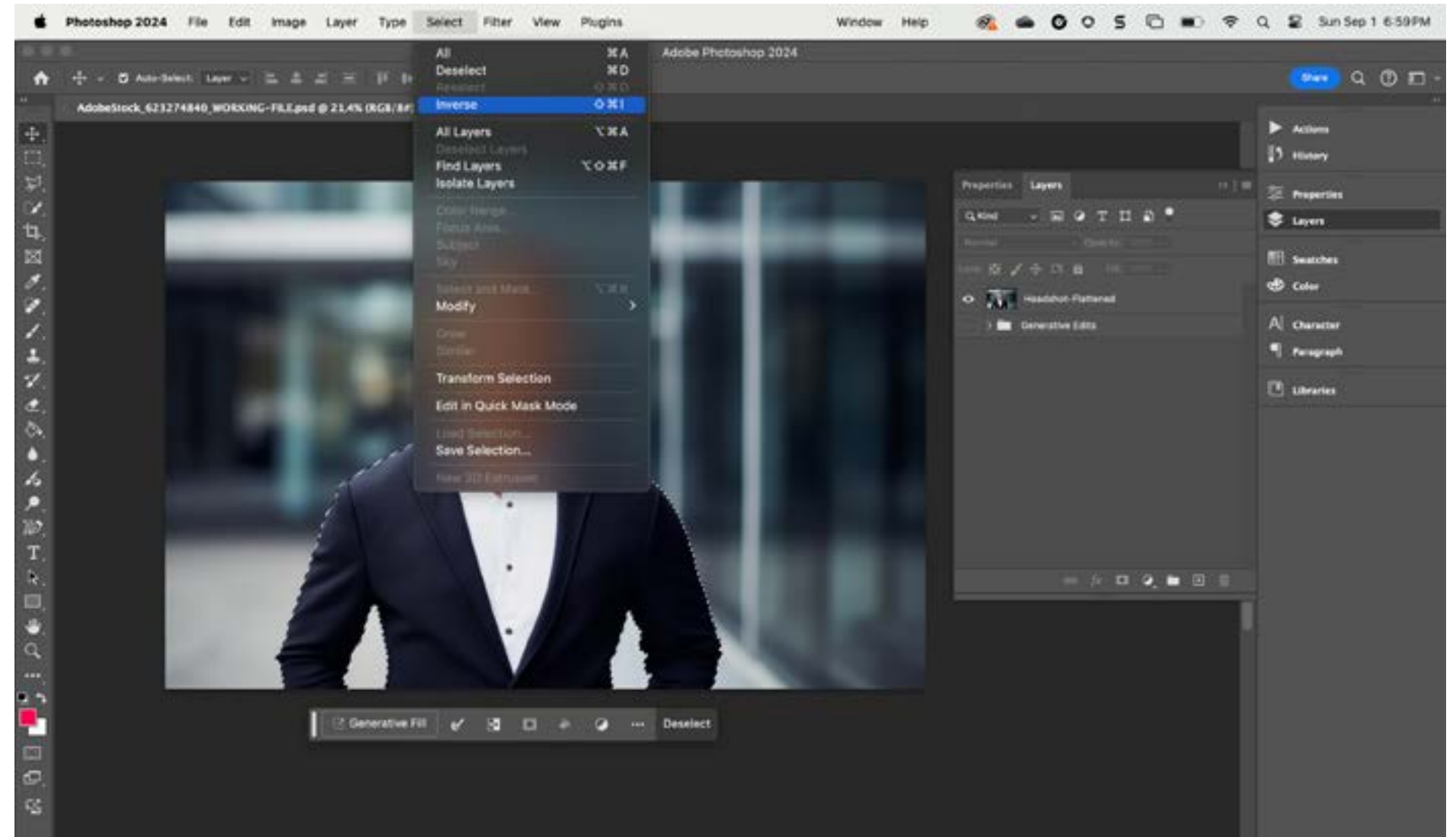
6. Click on the layer menu icon again (four horizontal lines), and select 'Merge Group'.
7. With the 'Headshot Merged Edits' group merged, click the eye icon to the left of the 'Generative Edits' group to hide this group.
8. Select the 'Headshot Merged Edits' layer within the layers panel.



9. With the 'Headshot Merged Edits' layer selected, click on the 'Select subject' button within the context bar.



10. Once the subject has been selected, navigate to the 'Select' option within the top-level menu, and select 'Inverse' (CMD+Shift+I).



11. With the selection inversed, click on the 'Generative Fill' button within the context bar.



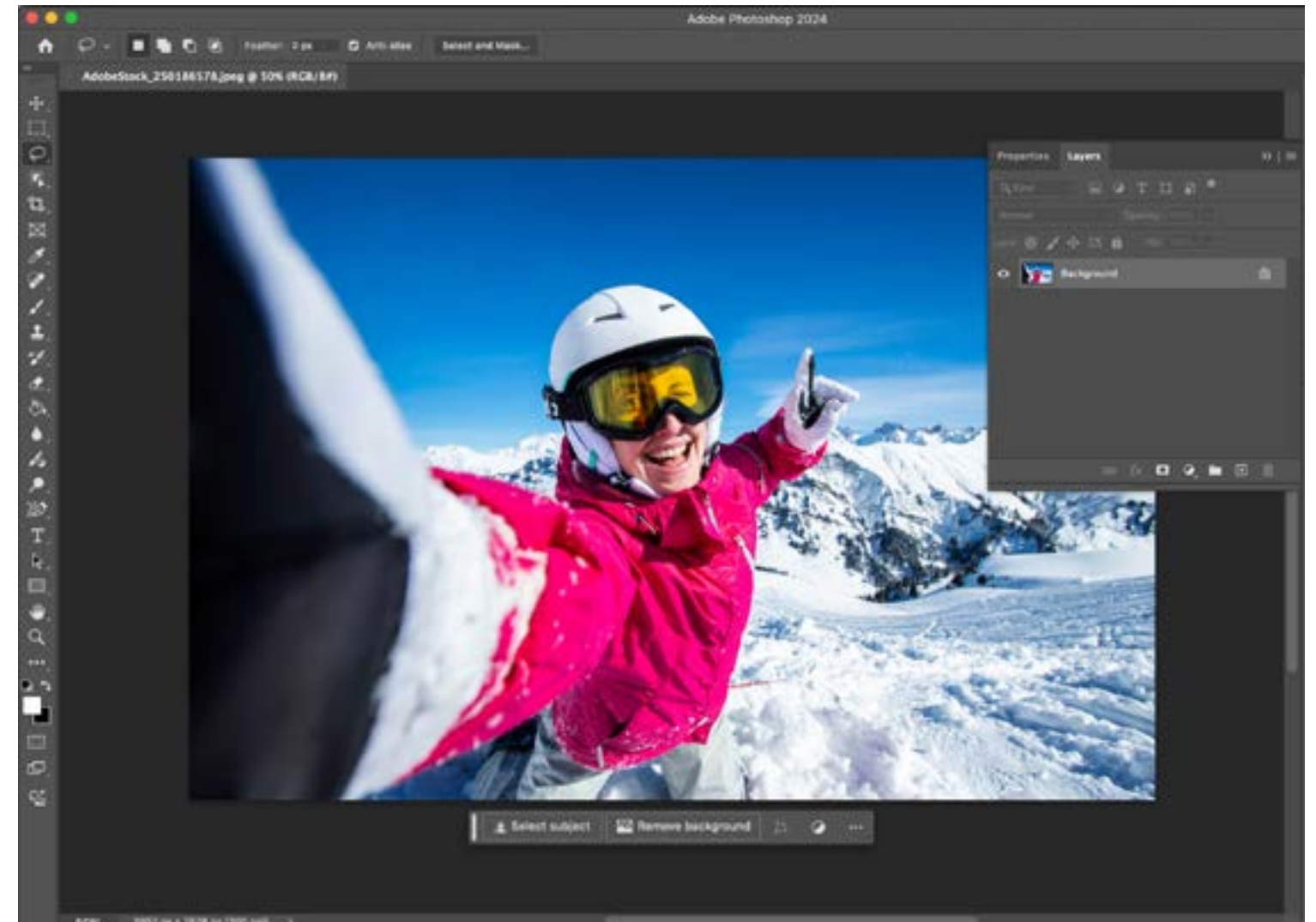
12. In the prompt box, enter in a prompt to best describe the background you'd like to update, and click the 'Generate' button
 - a. Prompt: Standing in a conference room, overlooking a city downtown, blurred
13. When Firefly is done generating the different variations, toggle through the variants within the context bar or within the Properties panel to find the best option.
 - a. If necessary, click the 'Generate' button again to see additional options/variants.



Bonus Exercise

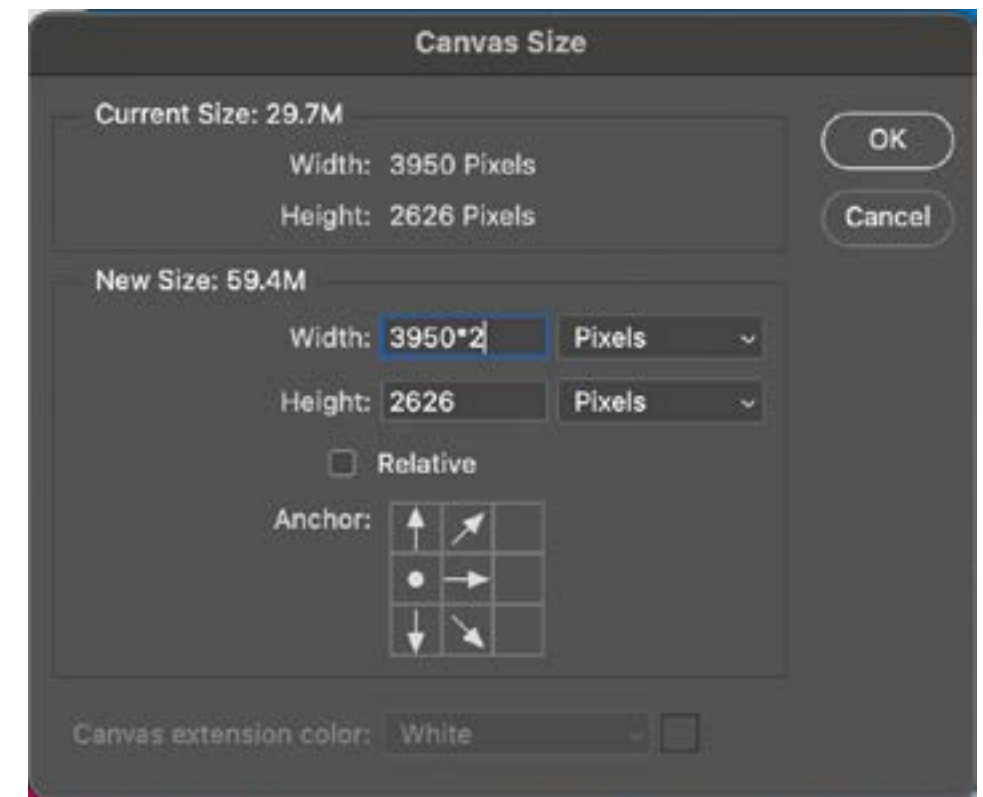
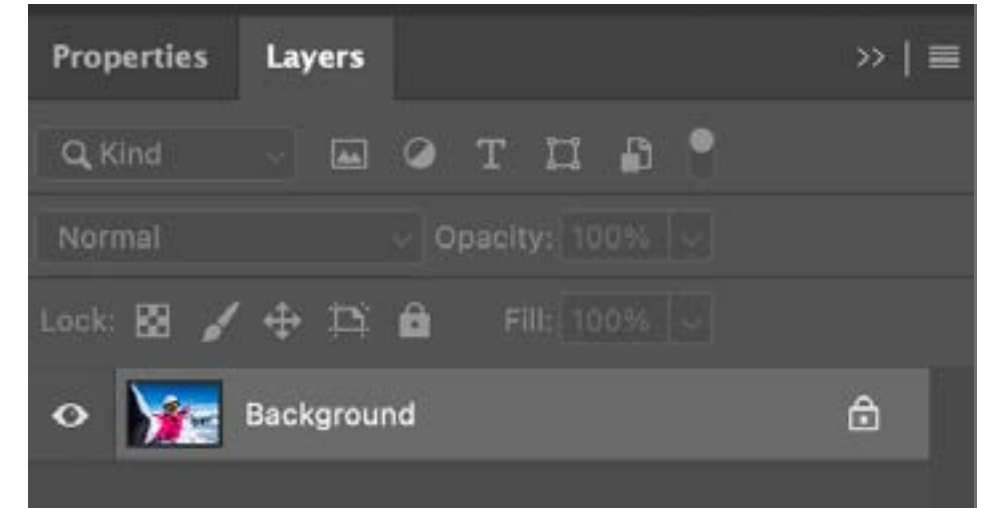
Blending two images together using Generative Fill

1. Open the snowboarder selfie image in Photoshop (version 25.11 required)
 - a. [Snowboarder selfie](#) (license via Adobe Stock)
 - b. [Snowboarder selfie](#) (watermarked version)
2. Additional assets required for this exercise
 - a. [Snowey mountains of the Himalayas](#) (license via Adobe Stock)
 - b. [Snowey mountains of the Himalayas](#) (watermarked version)

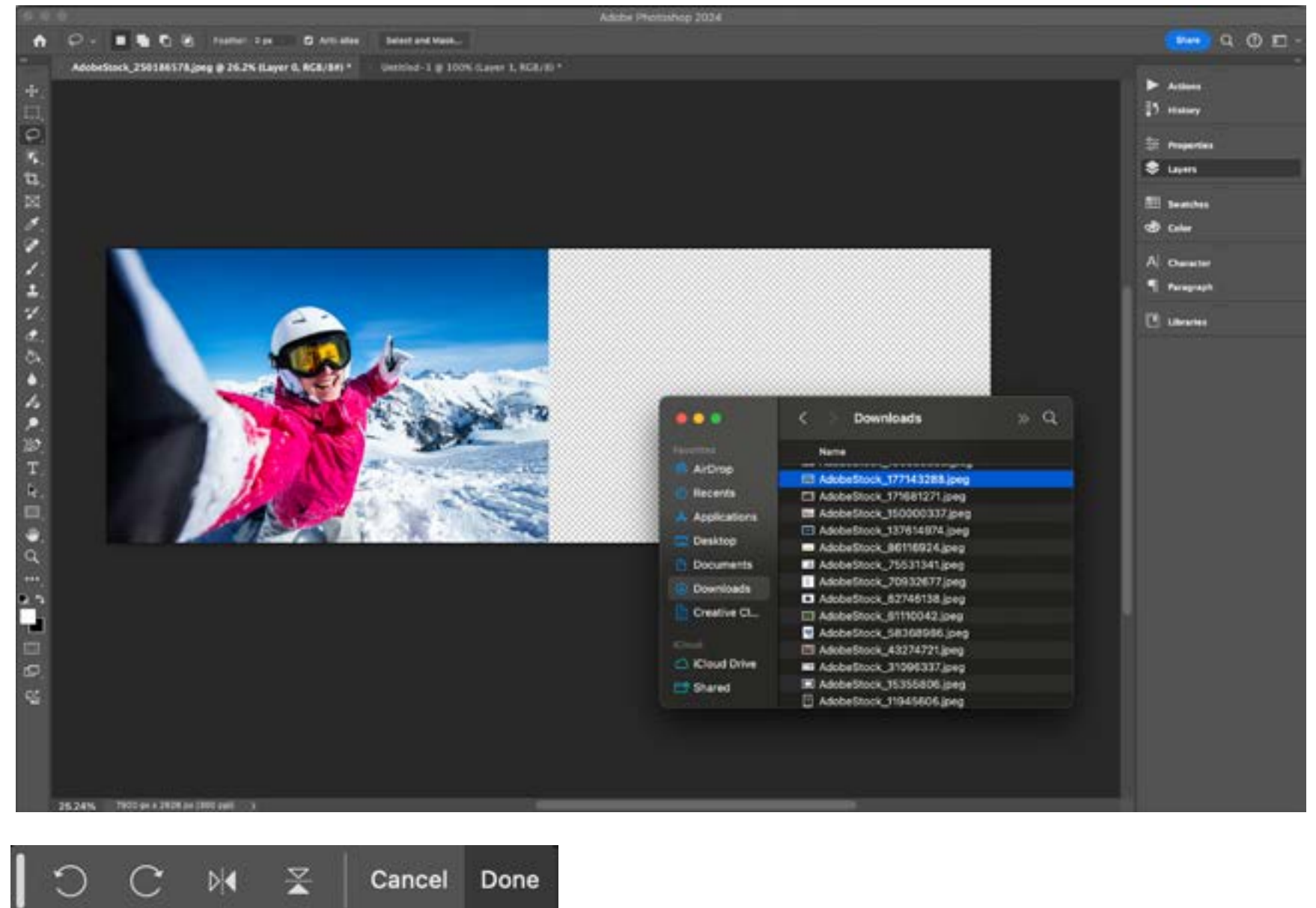


3. Navigate to the 'Layers' panel and click on the lock icon within the 'Background' layer to the right of the selected layer name to unlock the layer.
4. Next, navigate to the header menu and select 'Image' / 'Canvas Size'
5. In the 'Width' field append '*2' after the pixel width (ie: 3950*2), and in the Anchor section, select the left/middle option.

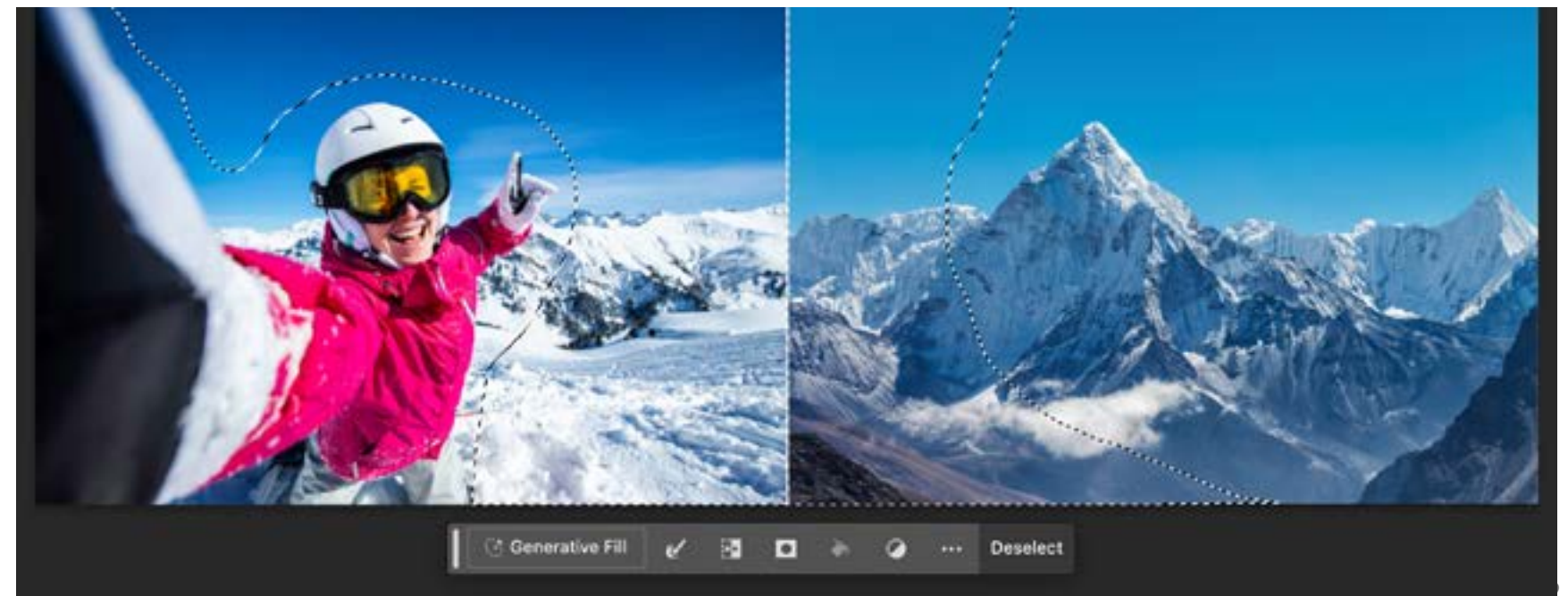
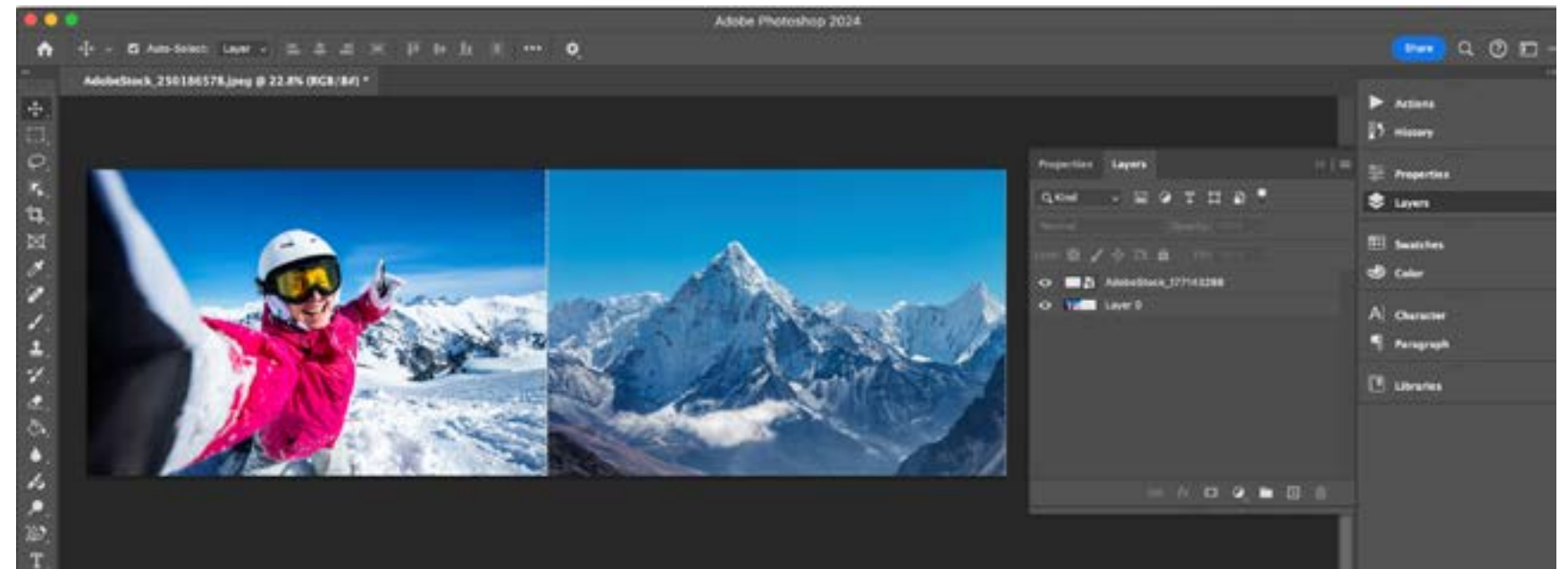
This will double the Photoshop canvas width and anchor the initial image to the left, giving us room to include another photo.



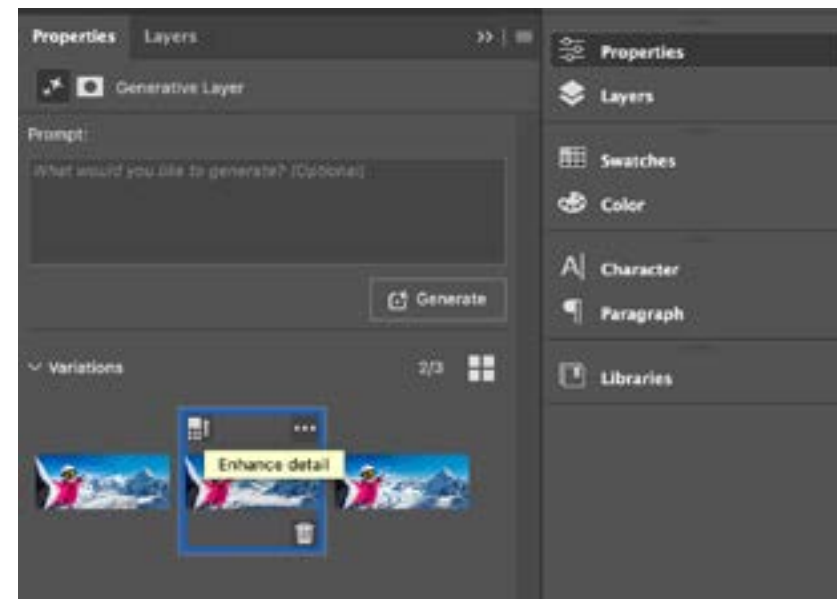
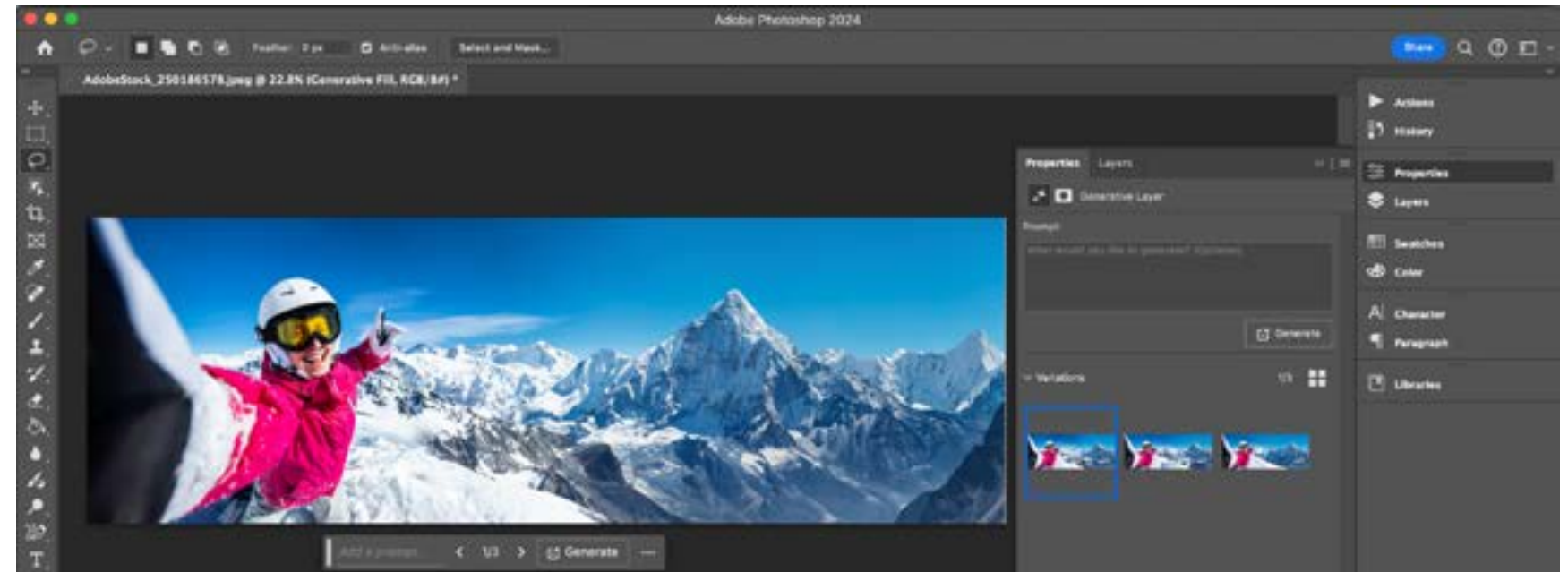
6. Open your 'Finder' window on top of Photoshop and locate the second image for this exercise (Snowy mountains of the Himalayas), then drag & drop the second image into the canvas area within Photoshop and place side by side, clicking the 'done' button in the context bar once the image is in place.



7. Once the two images are side by side, use the 'Lasso' tool to select the area that Firefly will blend. Select enough from each photo to give the best results for blending the two photos into one.
8. Once the selection is made, click on the 'Generative Fill' button within the context bar.
9. Leave the prompt field blank, and click 'Generate'



10. When Firefly is done generating the different variations, toggle through the variants within the context bar or within the Properties panel to find the best option.
11. Once you've found the best Generative Fill variant, save your newly merged image.
12. If you're working within high-resolution assets and need to 'Enhance' the detail to remove any pixelation or blending image errors with any of the Generative Fill or Generative Expand layer variants, you easily 'Enhance detail' of any variant upon hover in the 'Properties' panel.



Exercise Recap

1. [Add or remove content non-destructively with Generative Fill in Photoshop on desktop](#)
2. [Remove an object in your Photoshop canvas using Generative Fill.](#)
3. [Generate objects in your Photoshop canvas using Generative Fill.](#)
4. [Generate a background in your Photoshop canvas using Generative Fill.](#)
5. [Generate sharper variations with Enhance Detail](#)

Resources

[Firefly inside of Photoshop](#)

[Firefly inside of Adobe Express](#)

[Firefly inside of Illustrator](#)

[Firefly inside of InDesign](#)

[Firefly Enterprise Resources](#)

Overview and ethics

News and updates

Firefly surfaces and associated functionality

Use cases and creative workflows

Interoperability and collaboration

Community



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