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CREATING WEB ASSETS USING ADOBE GENERATOR BONUS ONLINE LESSON

Lesson overview

In this lesson, you will learn the following:

- How to access and set up Photoshop Generator
- How to create web assets using Photoshop Generator



This lesson will take about 45 minutes to complete. If you have not already done so, download the project files for this lesson from the Lesson & Update Files tab on your Account page at www.peachpit.com, store them on your computer in a convenient location, and define a new site in Dreamweaver based on this folder, as described in the “Getting Started” section at the beginning of the book. Your Account page is also where you’ll find any updates to the chapters or to the lesson files. Look on the Lesson & Update Files tab to access the most current content.

Working with Adobe Generator

● **Note:** This exercise should work with any version of Photoshop CC and the lesson-04bonus lesson files. Be aware if you use a different version than the one pictured, the dialog and menu option may vary.

► **Tip:** It's a good idea to save the file under a different name so you can refer to the original assets should you make an error.

Adobe Generator is one of the web-oriented tools that allows you to export web assets from a Photoshop file in a variety of sizes, resolutions, and even file types. Best of all, this feature works in real time, exporting image assets from your file based on user-specified attributes added to the layer name. Let's take a closer look at this great tool.

In this exercise, you'll work with an Adobe Photoshop document to prepare assets for your web project.

- 1 Launch Photoshop CC (2017 release).
- 2 Open **GreenStart_mockup.psd** from the lesson04bonus/resources folder.

● **Note:** The sample file used in this exercise requires the font Bree Serif, which you can download and install for free from Adobe Typekit. To access this font, and the entire Typekit library, choose Type > Add Fonts from Typekit in Photoshop CC 2015 or higher.

The Photoshop file contains a complete mock-up of the GreenStart site design, which is composed of various vector-based design components as well as image assets stored in separate layers. Note the use of colors and gradients in the design.


- 3 Choose File > Save As and name the file **resources/myGreenStart_mockup.psd**.



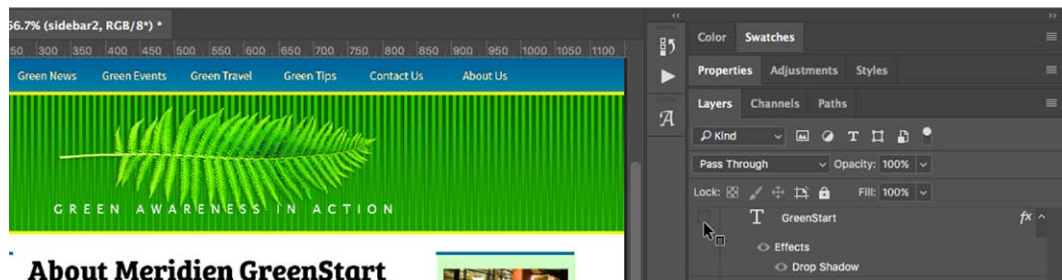
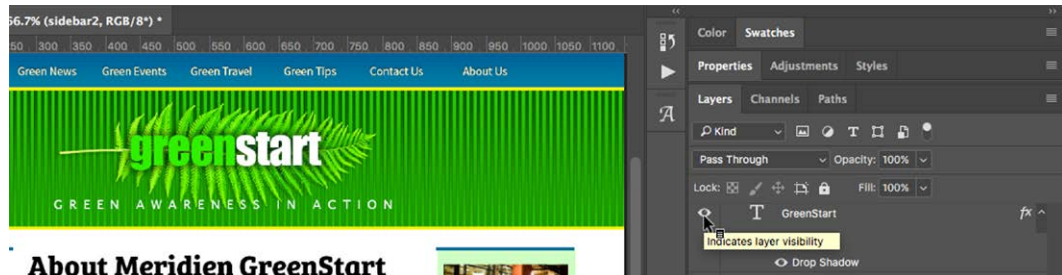
- 4 If necessary, choose Window > Layers to display the Layers panel. Observe the names and contents of the layers and layer groups. The layers and layer groups are named for the webpage components.

- 5 Open the header layer group and observe the contents.


The header group contains two text elements and four graphical elements. Often, it's difficult to understand how a graphic component is built or for what purpose it is intended by looking at the layer names alone.

- 6 In the GreenStart text layer, click the eye icon  to toggle the layer visibility off.

● **Note:** The motto text uses the font Lucida Grande, which may not be installed on every computer and is not available from Typekit. Feel free to substitute Arial or Verdana for this font in this exercise.



The text “greenstart” disappears from the layer.

- 7 In the fern layer, click the eye icon  to toggle the layer visibility off.

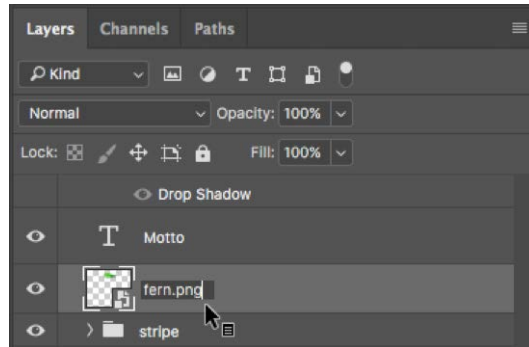
The image of the fern disappears. Using this method, you can identify each element of the header and see what role it plays in the creation of the overall design. The number and type of layers and the level of detail used here aren't necessary for a mock-up that you merely want to use for a client approval. This file was set up specifically to create many of the final assets for the page design.

- 8 Click the eye icon  to toggle the GreenStart and fern layers back on.

Exporting assets from Photoshop

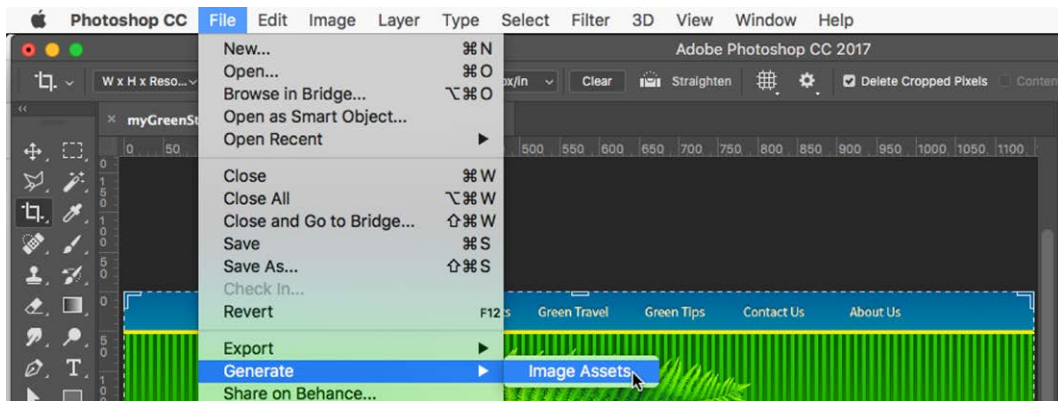
The fern layer will be used to create one component of the header background. Photoshop generates a web asset automatically if you add a file extension to the layer name.

- 1 Double-click the name of the fern layer, type **fern.png**, and press Enter/Return to complete the name.



When activated, Generator works in the background exporting assets in real time.

- 2 Choose File > Generate > Image Assets.

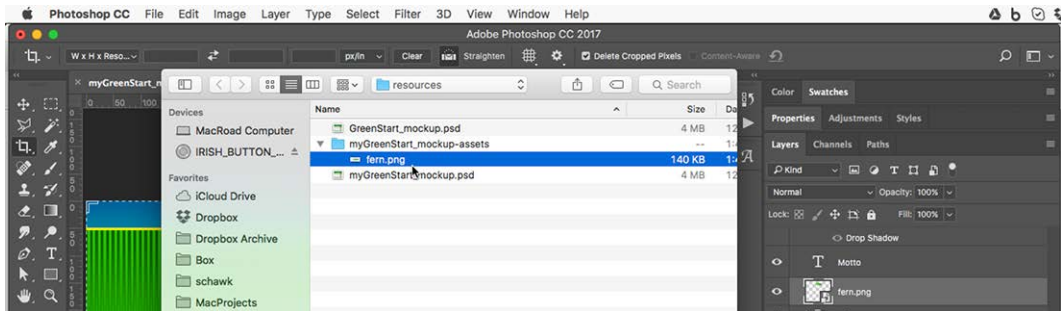


The next time you look at the Generate menu option, a checkmark will appear beside Image Assets, indicating that Generator is active.

- 3 Choose File > Open. Navigate to the lesson04bonus > resources folder.

A new folder has been created and named **myGreenStart_mockup-assets** by Generator. Whenever you add file extensions to the layer names and enable Generator, it creates a folder and fills it with assets automatically, based on the layer names and settings.

- 4 Navigate to the **myGreenStart_mockup-assets** folder created by Photoshop.



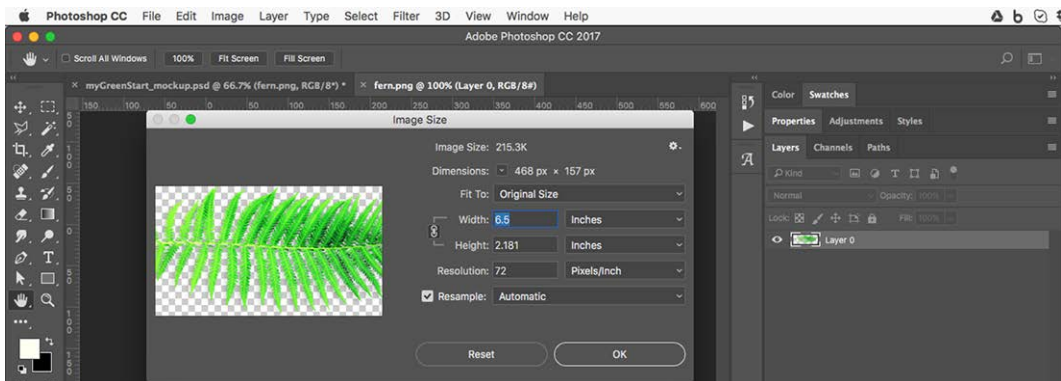
The folder contains a single image: **fern.png**.

- 5 Open **fern.png**.

The file contains the fern with a transparent background. Note that the image displays a drop shadow. The shadow is a permanent part of the image, no longer created by a Photoshop effect.

- 6 Choose Image > Image Size.

Note the dimensions and resolution of the image.



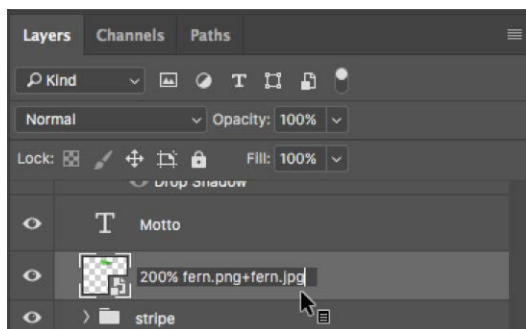
The image is 468 pixels by 157 pixels, at 72 pixels per inch (ppi).

- 7 Click OK to close the Image Size dialog. Close **fern.png**.

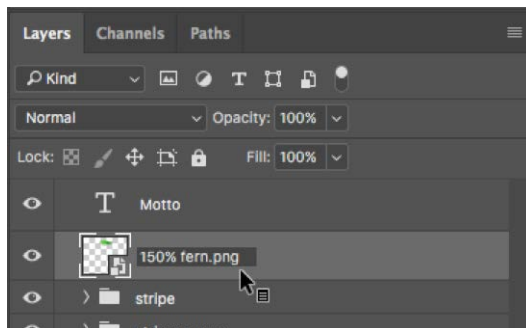
Creating multiple assets using Generator

Generator can also modify the default export specifications and even create multiple assets at multiple resolutions.

- 1 Change the layer name `fern.png` to **200% fern.png+fern.jpg** and press Enter/Return to complete the name.



- 2 Choose File > Open.
If necessary, navigate to the `myGreenStart_mockup-assets` folder.
The folder contains two images: **fern.png** and **fern.jpg**, both created by Generator. Older files with the same names are replaced automatically.
- 3 Select **fern.png** and open the file.
The file contains the fern, but it appears twice as large as the previous image.
- 4 Open **fern.jpg**.
The file contains the same fern image, but at the original size. JPEGs do not support transparency, so the background is white. There's no need for the JPEG version of the image. Generator can remove assets automatically too.
- 5 Close `fern.jpg` and `fern.png`.
- 6 In **myGreenStart_mockup.psd**, change the layer name from **200% fern.png+fern.jpg** to **150% fern.png** and press Enter/Return to complete the name.

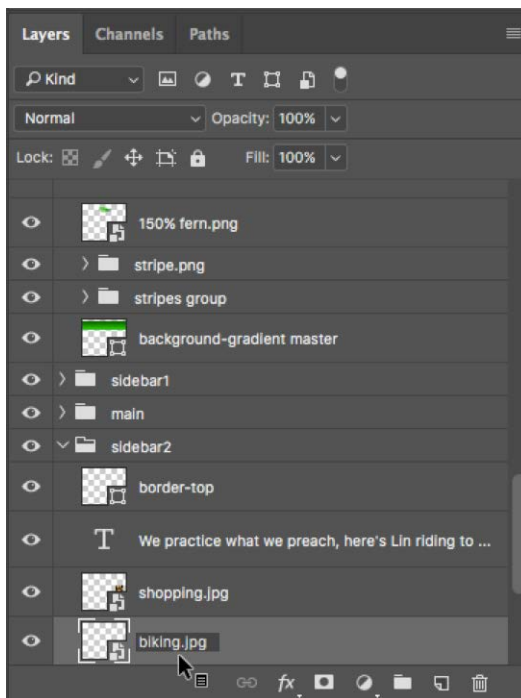


The specification creates a larger, higher-quality image that will display well in regular browsers and on new higher-resolution devices. By removing “fern.jpg” from the layer name, Generator automatically deletes the JPEG version of the file.

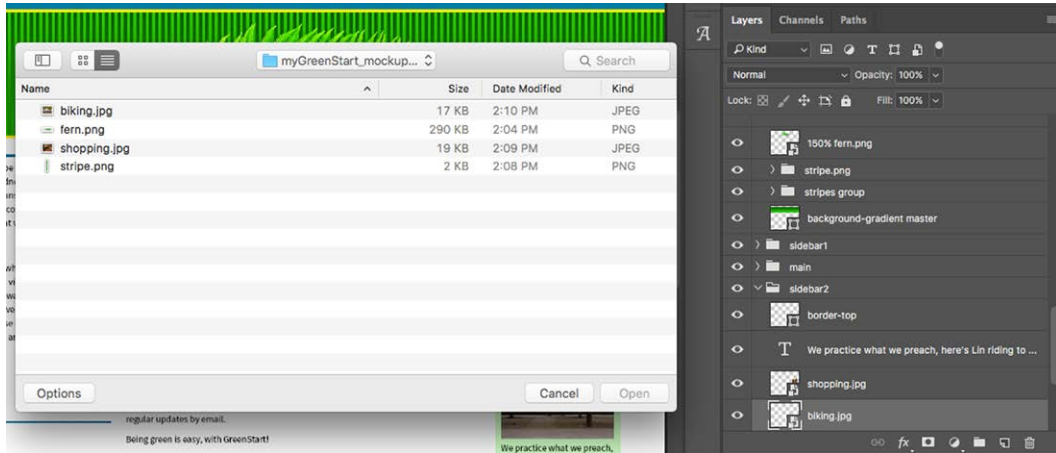
- 7 Choose File > Open. Navigate to the myGreenStart_mockup-assets folder.

The JPEG version of the file is no longer visible in the folder. As you can see, Photoshop generates assets based on the name of the layer. You can create an entire set of images for your site design from the layers in this file.

- 8 In the Layers panel, open the header layer group.
Change the name of the *stripe* layer group to **stripe.png**.
- 9 Open the sidebar2 layer group.
Change the layer shopping to **shopping.jpg**.
Change the layer biking to **biking.jpg**.



10 Choose File > Open. Navigate to the myGreenStart_mockup-assets folder.



● **Note:** If you do not see the images created as described, check to make sure that the command File > Generate > Image Assets is enabled as described in the previous exercise.

● **Note:** In Photoshop, the background is mocked up using two layers: stripe and stripes-group. You are exporting the web background from the smaller stripe (singular) layer group.

The myGreenStart_mockup-assets folder now contains four image files. These files are identical to the ones you will use to build the site template and populate articles in upcoming lessons.

11 Close the dialog. Close **myGreenStart_mockup.psd**.

Feel free to save your changes, if desired.

As you can see, Generator offers some handy tools for turning this mock-up into real web design assets, but the tricks don't stop there. Photoshop and Dreamweaver have even more collaboration tools to offer, as you will see in Lesson 10, "Working with Images."

Check out <http://helpx.adobe.com/photoshop/using/generate-assets-layers.html> to see a complete explanation of Adobe Generator and how to use it.