CSC 170 Lab 8: Preparing Images for the Web

Your task is to slice three "assets" (images) out of a Photoshop file (.PSD) and prepare them for use on the Web.
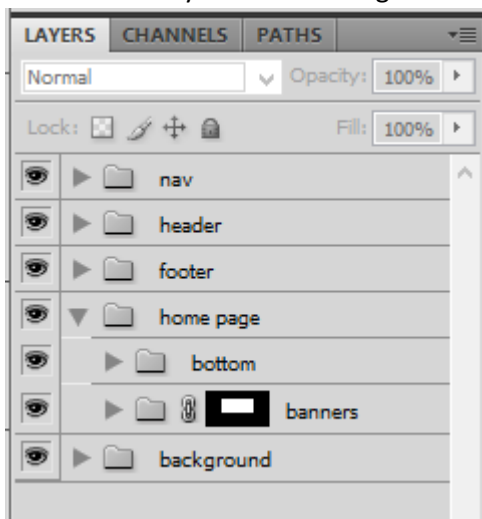
1. The "hero" image
2. The Barefoot logo
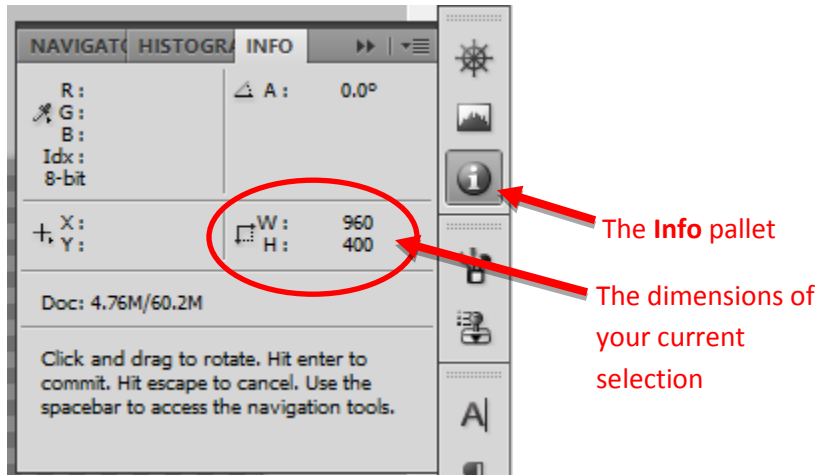3. The header background (grass)

Step 1: download the PSD

- Download the Photoshop file: Barefoot.psd and open it in Photoshop. (If any warning messages appear upon opening, disregard them.)

Step 2: Slice the Hero Image

- Explore the **Layers** pallet, opening and closing sections and clicking on the eye icons to turn off elements until you have nothing but the hero image.

Notice the extra tuff of grass. It's from a second (nearby) layer. It should be turned on.

- In the **Tools** pallet, click the Crop tool ⌖ to turn it on.
- In the Workspace, use the Crop tool to closely select the hero image. Make sure you get right-up to the edges, without cutting off any part of the image.
- In the **Info** pallet, click the Info button to show you the dimensions of your current selection. Notice the "W" and "H" measurements. They should specify "960" and "400" (measured in pixels). [1]
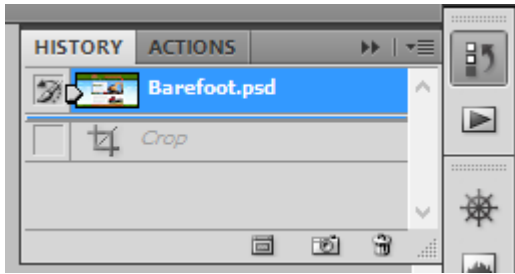

The **Info** pallet

The dimensions of your current selection

- When your selection is correct, click the **Commit** button to complete the crop.

The **Commit** button

- Click the **File** menu and select **Save for Web & Devices…** to show the Save dialog box.

- *Careful here…*
  Select the *appropriate file type and compression level* to create an image that's less than 100K, but still looks as good as possible.
- Click the **Save** button and save the file with the name "hero" (and the appropriate file-type extension).
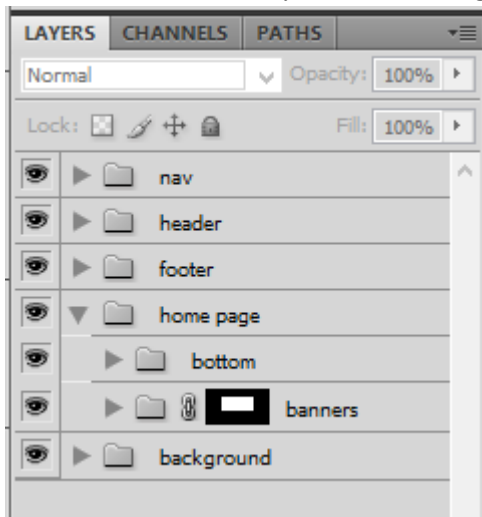
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[1] This exercise assumes Photoshop preferences have been set to show units as "Pixels". If not, click the **Edit** pull down menu, select **Preferences** and then **Units & Rulers**. Change **Rulers** to "pixels" and then click OK

- After the file is saved, revert to the state when you first open the PSD file by using the **History** pallet and selecting the top-most history item. (The crop will undo itself and you'll be looking at the complete page again.)
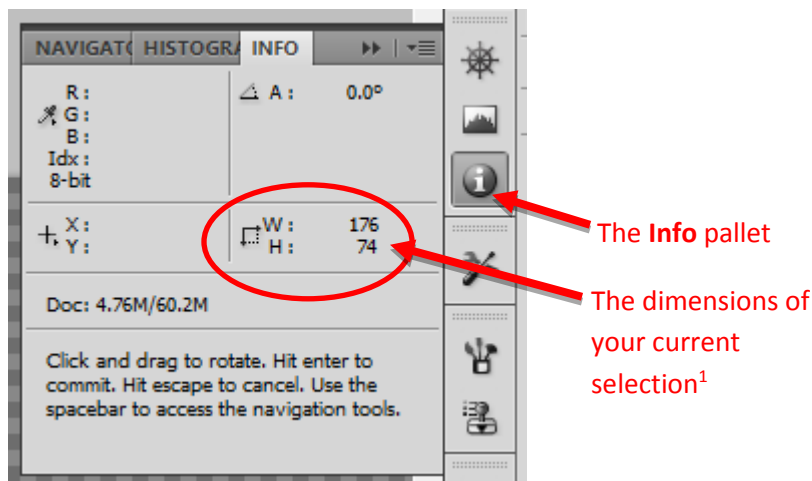

Step 3: slice the Barefoot logo

- Explore the **Layers** pallet again, opening and closing sections and clicking on the eye icons to turn off elements until you have nothing but the logo image.

- In the **Tools** pallet, click the Crop tool to turn it on.
- In the Workspace, use the Crop tool to closely select the hero image. Make sure you get right-up to the edges, without cutting off any part of the image.
- In the **Info** pallet, click the Info button to show you the dimensions of your current selection. Notice the "W" and "H" measurements. They should specify "176" and "74" *or larger* (measured in pixels).
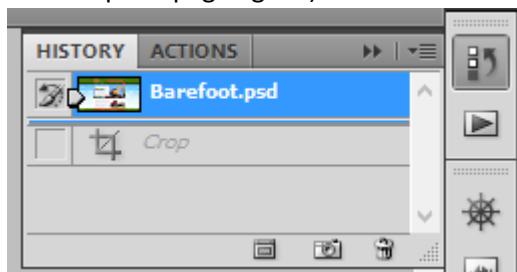
The **Info** pallet

The dimensions of your current selection[1]

- When your selection is correct, click the **Commit** button to complete the crop.
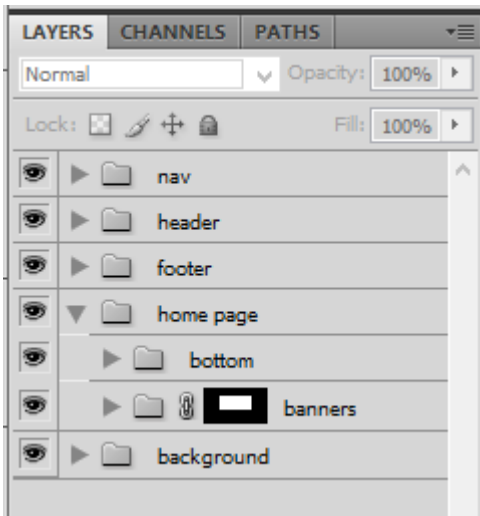

The **Commit** button

- Click the **File** menu and select **Save for Web & Devices…** to show the Save dialog box.

- *Careful here…*
  Select the *appropriate file type* to create an image that uses high-quality and supports transparency.

- Click the **Save** button and save the file with the name "logo" (and the appropriate file-type extension).

- After the file is saved, revert to the state when you first open the PSD file by using the **History** pallet and selecting the top-most history item. (The crop will undo itself and you'll be looking at the complete page again.)
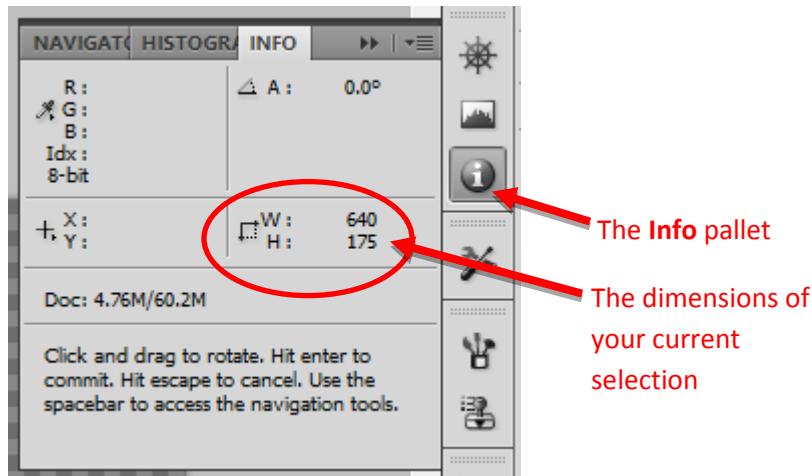
Step 4: slice the Header Background

- Explore the **Layers** pallet again, opening and closing sections and clicking on the eye icons to turn off elements until you have nothing but the header background (the grass). In this case, notice that there are *three* layers that make-up that strip of grass. You only need one, so pick one and turn-off the other two.

- In the **Tools** pallet, click the Crop tool to turn it on.
- In the Workspace, use the Crop tool to closely select the hero image. Make sure you get right-up to the edges, without cutting off any part of the image.

- In the **Info** pallet, click the Info button to show you the dimensions of your current selection. Notice the "W" and "H" measurements. They should specify "640" and "175" (measured in pixels).

The **Info** pallet

The dimensions of your current selection

- When your selection is correct, click the **Commit** button to complete the crop.
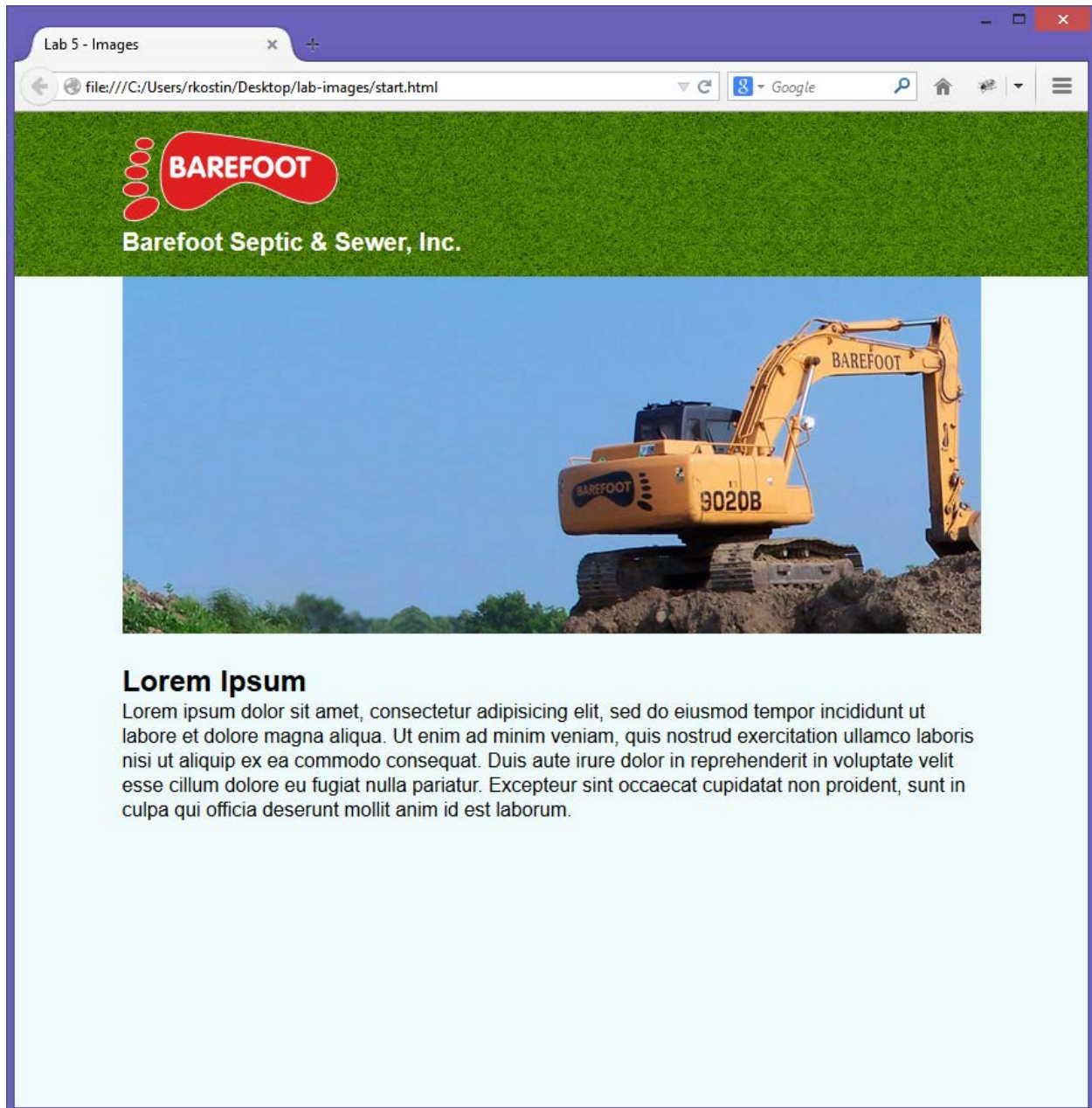

The **Commit** button

- Click the **File** menu and select **Save for Web & Devices…** to show the Save dialog box.

- *Careful here…*
  Select the *appropriate file type and compression level* to create an image that's less than 50K, but still looks as good as possible.

- Click the **Save** button and save the file with the name "header_bg" (and the appropriate file-type extension).

- After the file is saved, you can close Photoshop. Do ***not*** save the file upon closing! If all goes well with the rest of the lab, you won't need the Photoshop file anymore. You can discard it.

Step 5: use the Three Images in a Webpage

Your task is to replicate this webpage using HTML, CSS and the three images you sliced from the Photoshop file.

- Download the starter files and open the HTML and CSS files in your code editor. Open the HTML file in a web browser.
- Copy the three images you created from the Photoshop file to the **images** directory.
- Edit the CSS file to set the **header_bg** image as the background for the **<header>** element using this CSS declaration:
  background-image: url("../images/header_bg.jpg");
- Edit the HTML file to place the logo in the proper place in the document.

- Edit the HTML file to place the hero image in the proper place in the document.[2]
- Resize the browser window (large, down to very small) to see how the hero image reacts to small browser sizes. (It doesn't react. It stays big.)
- To make the hero image "responsive" (mobile friendly), add the following class to your CSS file: **.fill { width: 100%; }**
- Apply that CSS class (**.fill**) to the hero image in the HTML document.
- Resize the browser window again to see how the hero image reacts.

Step 6: Upload your work

When you are done with your webpage, close everything and use an FTP tool (like *WinSCP*) to access your account on **urcsc170.org** and upload your files:

- ❑ In a web browser (any), go to this address to check your handiwork:
  www.urcsc170.org/*accountname*/lab08/start.html
  (where "*accountname*" is your account name)

Report your work

Remember: Use the W3C HTML validator (**validator.w3.org**) AND the W3C CSS validator (**http://jigsaw.w3.org/css-validator**) to check your work before you report it!

- In our Blackboard section, in Lab 8, post a link to your webpage to receive credit for this Lab.

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[2] Be sure to *not* use width="" or height="" attributes in your image tag. Generally speaking, you should never use them – but definitely not in this case.