Making a Photo Gallery

SUMMARY:

During my junior year in Programming and Web Development, I took the initiative to generate some galleries for my school's website. First, I sorted the pictures given to me from specific events. Next, I resized all of the pictures I used for both the images and thumbnails of the intended gallery. Finally, I appended the pictures to a new web page to create the digital gallery. Knowing how to organize images and incorporate them all into a webpage is a great tool that will be needed in the field of web design and computers.
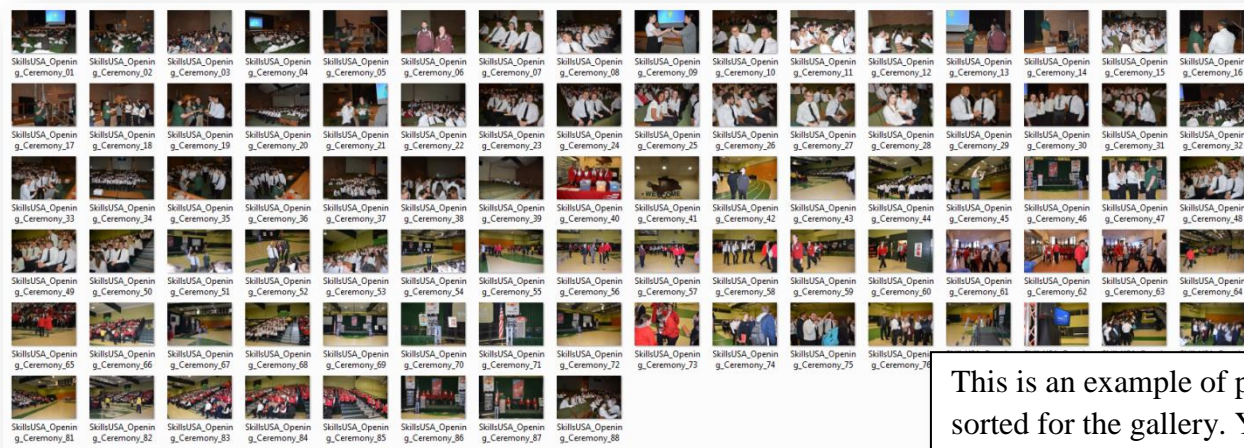
BACKGROUND:

Before beginning the project, I needed prior knowledge of a couple of computer concepts. The project required an extensive background in HTML. It is also mandatory to know the environment around Photoshop or any photo editor that you may choose (the procedure is exclusive for Photoshop). With this information in mind, the photo gallery can be assembled with ease.

SOFTWARE:

- o Adobe Photoshop CS5
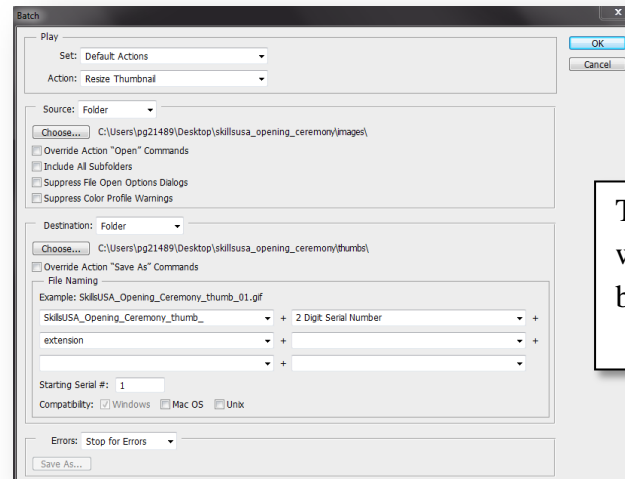- o Notepad
- o Windows Explorer

<u>PROCEDURE:</u>

To start the project, you need to receive the pictures that you're going to use for the photo gallery. For me, I took the pictures from my teacher's computer using a flash drive, but the location, quantity, and size of the pictures may vary. Next, with the flash drive allocated the pictures to, drop the photos onto your desktop for now, preferably into a folder. After that, open the folder and direct yourself to where the array of images is stored. Double click on the first image's thumbnail to view the full sized photo. If you like the picture, simply move on to the next one with the right arrow key. If you do not like the picture, you can delete it using the delete button. A pop up will ask you to confirm the action. Click the Yes button to delete the file. Do this until you've gone through all of the photos and have your desired amount.

This is an example of pictures sorted for the gallery. You can have as many as you would like.

Afterwards, since my pictures are far too big for the gallery, I need to resize them all. But seeing that I have a large amount of pictures, resizing them individually poses a problem. An alternative to this is performing an automated batch with Adobe Photoshop. First, open Photoshop, open one of the pictures, click "Window" in the ribbon, and press the "Actions" button from the dropdown menu. In the Actions window, click the "Create New Action" icon (it looks like a folded paper). After that, there should be a pop up in the center of the screen. Name the action to whatever you want and then click Record. After that, resize the picture by selecting "Image" in the ribbon and then "Image Size". Enter in the dimensions needed for the image. (I used 900 pixels x 600 pixels, 72 resolution). Once the image is resized, end the action by

pressing the "Stop Playing" button (the icon is a plain square). Do not save just yet. Once the action is complete, go to "File" in the ribbon, "Automate", and then "Batch". In the popup, make sure that the "Source" on the left side is set to "Folder" and the action is set to the one that was just made. Select the "Choose" button below and find the folder holding your pictures. Next, set the destination to "Folder" and choose the folder where you want the new images to be produced. The next steps pertain to renaming the files. In the first combo box, type the name you want for all of the files. A number will be added right after this name. To do that, select a "Digit Serial Number" in the next combo box relatable to the total number of pictures in the batch (for example, 5 pictures is one digit, 78 pictures is two, et cetera). Next in order, choose "extension" under the digit combo box. Lastly, click "OK". If an "Options" popup appears, always press enter or select "OK". Repeat the batch for thumbs as well with a smaller size.

This is the menu that popups when you create an automated batch.

Now that the pictures and thumbnails are set for the gallery, they need to be appended to the actual page. First, I copied an older example that I made months ago into Notepad. Make sure you save the file and have the file type as .htm or .html. If you do not have one, just copy an existing example of a photo gallery. After forging the new file, manipulate the information in the tags to conform to your page (for example, since my gallery was based on a SkillsUSA opening ceremony, I changed the title and header to fit that. The last and crucial step to making the photo gallery is to now add the pictures and thumbnails. This is possible by going to where the directories for the photos in the old gallery are and simply changing them to fit the directories for that you constructed.

This screenshot is a snippet of the code that I used to make the photo gallery for the school web site.

RESULTS:

What to expect from the project is a page with all of your thumbnails arranged into a table. When you click any thumbnail, the corresponding full sized image should appear in the center of the screen.

CONCLUSION:

In the end, when the tasks were finish, you should have a photo gallery with a bunch of images tailored to the topic of your photo gallery. This activity was used to teach how to obtain and sort out pictures, how to create an automated batch in Adobe Photoshop, and how to tinker with the HTML file to make your photo gallery. With a photo gallery, you can organize multiple pictures into a simple and attractive page for anyone to see.

Skills USA 2017 District 1 Opening Ceremony

Back to Main Gallery

This screenshot is the live photo gallery on the school web site.

Peter Gomes   Making a Photo Gallery   March 31, 2017