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CST205-40_FA14: Multimedia Design & Progmng

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Lab #1: Digital Media Creation (45-90 min)

CST 205: Fall 2014
Lab #1: Digital Media Creation

Over the next few weeks, we will be working with image files. We'll discuss how image files are stored and we'll use Python open, create, manipulate, and store digital images. In order to be able to do all these things, we will need some image files to work with. Today's lab will help you build a collection of images to use in class for the next three weeks.

Since we do not yet have assigned partners, you may do this lab in groups of up to four. Make sure you read through all of the instructions before starting.

Step 1: Find a Digital Camera
Make sure that one person in your group has a digital camera that can be used for this assignment. Note that a camera phone works great - you don't need anything fancy. If nobody in your group has a camera (phone or otherwise) please re-group so that each group has access to at least one camera.

Step 2: Read up on Taking Good Pictures
Just in case you haven't already guessed, today's lab is going to involve taking some pictures. Before you get started, it is a good idea to review some basic photo composition "rules" and some tips for getting the most out of your smart phone camera. I've linked two articles below, but feel free to find your own resources as well. If you find (or know of) a good source, please share it with the class.

- Some basic tips on photo composition
- Life Hacker article on Taking better pictures with a Smart Phone (stop before the extreme editing section, you want to make sure you turn in unedited pictures for this assignment)

Step 3: Take Some Pictures
Your group will need to take 10 total pictures. Make sure you take each of the pictures required below. You will want to make sure that you have a wide variety of pictures (people, landscapes, close ups, different color-palattes, different lighting conditions, etc).

You will be using these pictures for the next three weeks.

Required Photos:

1. Group photo: include all members of your group (be creative if your group meet virtually)
2. A portrait. This can be of a group member or any other willing victim.
3. A CSUMB landscape
4. A photo featuring an otter (can be stuffed, on a sign, or real)
5. - 10. One photo for each of the letters P-Y-T-H-O-N. It is up to you how to interpret this. You can find items/people that look like each letter, start with each letter, or pretty much anything else as long as you can make the case that some how your collection of photos represents P-Y-T-H-O and N. Have fun and just remember that you'll want a variety of photo types and compositions available for future labs.

Step 4: Share Your Pictures
Your group should store all of your photos in some way that allows all group members (and your other classmates) to access them.

Step 5: Post a Link
Each group should create **one** post on the **Lab #1 Photo Sharing Form** on iLearn. This post should include:

1. Your group member names
2. The link to your shared pictures
3. A short paragraph explaining why you chose the storage/sharing method that you did for your photos
4. One of your P-Y-T-H-O-N pictures (pick your favorite)
5. Your group photo

Both photos should be included as attachments to the forum post.

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