

# CISC 3120 Fall 2012 Homework 6

## Instructions

- This assignment **is due by midnight on Wednesday October 31st** and you will submit this online — instructions below.
- **Follow these submission instructions:**
  1. Go to:  
`http://agents.sci.brooklyn.cuny.edu/parsons/cisc3120/`
  2. Login and submit the document you have prepared.
  3. You can submit as many times as you like before the deadline—only the final version of the homework will be graded.
  4. Failure to follow these instructions will result in points being taken away from your grade.  
The number of points will be in proportion to the extent to which you did not follow instructions.

## 1 Designing an interface

Based on what you have learned so far about user interfaces, design your own interface for sharing photos that will be able to handle (at least) 20 photos and will provide a creative way for doing 3 tasks with the photos.

Here is a list of possible tasks, or feel free to come up with task(s) of your own:

- annotate a photograph (i.e., associate a text tag with the image)
- search for one photo in one of the following ways:
  - perform a text-based search of annotations (match text tags)
  - perform a date-based search (match dates)
  - perform an image-based search (match images/image features)
- sort the photos in one of the following ways:
  - arrange photos based on similar text annotations
  - arrange photos based on similar dates
  - arrange photos based on similar image features
- manipulate images in one of the following ways:
  - zoom in and out
  - resize
  - change color

This step is the **DESIGN PHASE ONLY!** You should NOT write any code for this step.

## 2 What you need to do

- Design on paper (or using a digital drawing tool) what the user interface (i.e., the window(s)) will look like. Include drawings for each screen needed to facilitate each of the 3 tasks youve chosen to implement (as above).
- Your design should include a text description of how the interface will behave (e.g., “clicking on the sort button will rearrange the images in chronological order”). Include descriptions for how each of the 3 tasks will be performed from the user’s point of view what input do you need from the user and what output will the user see/receive?
- If your interface has multiple windows or screens (it probably will), then you should include in your design a drawing of a tree that shows the logical progression from one screen to another, including an indication of how the user will go from one to another (i.e., by clicking on button X...).
- Include an error analysis—what kinds of things might the user do wrong? how will your interface respond to user errors?

## 3 What to hand in

1. You should submit a single document which contains your design.
2. I will accept documents in one of the following formats:
  - A Word .doc
  - A PDF file.
3. Submit this through the website in the usual way.