

CSC 020, Computer Graphics, Spring 2010, Dr. Dale E. Parson, Assignment 1:  
Introduction to the Mac for image processing, **due 5:50 PM January 26.**

Dale E. Parson, Screenshot Project, begun January 19, 2010.

READ <http://www.apple.com/support/mac101/tour/> as part of this assignment.

1. Create the following folders on your networked drive under Student-Projects:  
FirstLast/ (First is your first name and Last is your last name, e.g., DaleParson).  
FirstLast/FirstLastScreenShot/ (Your name is embedded in the project folder name.)
2. Use the Finder to locate and run Application TextEdit. This tool is a simple text editor similar to NotePad in Windows.
  - Enter your name, "Screenshot Project" and a start date entry at the top of this text file.
  - Save the file as "README" using the default format within the FirstLast/FirstLastScreenShot/ folder.
  - Keep this file open within TextEdit and create a log that includes dates of the major steps that you use to manipulate your image files.
  - **Keep this log file as an outline, bullet list of steps that you take.** It does not need to use complete sentences. **It needs to give me a trail through the work that you have turned in.** Every assignment will include maintaining a project-specific README file that is a log with dates of the steps you use in creating your initial image, mid-project working image, and final image. Keep a log for this project in README.
3. Use the Finder to locate Application "Photo Booth" and take some self-portraits until you have one that satisfies you. Delete the others. From "Photo Booth -> File -> Reveal in Finder" copy the image file, save it in your FirstLast/FirstLastScreenShot/ folder, and rename it FirstLastBooth, where "First" is your first name and "Last" is your last name. You can rename a file in the Finder by highlighting it, hitting Enter (return), and then typing the new name. Note the ".jpg" extension for the JPEG file.
4. Within Photo Booth delete all photos, and then "Quit Photo Booth" via the "Photo Booth" menu.
5. Within the Finder examine the image by clicking. Note the default application that runs. Also, right-click the file and examine its properties via "Get Info."
6. Right-click the file again and "Open with -> Adobe Photoshop."
7. Using the "Horizontal Type Tool" and the "Move Tool" from the Tools palette (P pages 7 & 8), enter your first and last name, position your name for readability via the Move Tool, color your name for readability from within the Horizontal Type Tool by using the "Set the text color" option on the Options bar.
8. Using "Windows -> Layers" or the F7 key, examine the layers making up the composite Photoshop image. Try turning layer visibility on and off.
9. Save this image as FirstLastInitial.psd in your FirstLast/FirstLastScreenShot/ folder, saving for maximum compatibility with other tools.
10. Leave Photoshop running with this image open while closing or minimizing all other applications running on the computer.
11. Using the Command-Shift-4 key combination, sweep your entire screen. OSX deposits a PNG image file on your desktop that you can inspect. Repeat this step until you get a screenshot of the entire screen.
12. Close FirstLastInitial.psd from within Photoshop. Then right-click your PNG screen shot and "Open with -> Adobe Photoshop." Save this image as FirstLastMid.psd in your FirstLast/FirstLastScreenShot/ folder. Save "As a Copy" in Photoshop format along with the PNG color profile.

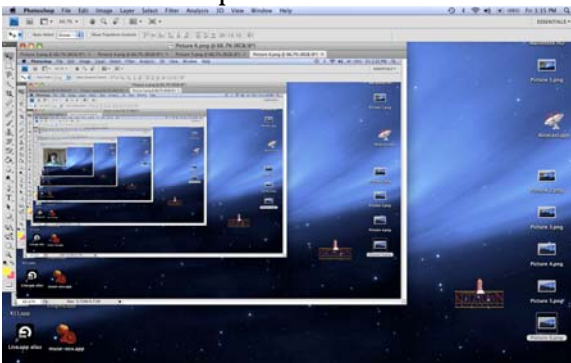
13. Using a sequence of subsequent steps similar to those above – Command-Shift-4, create a PNG file of the entire screen, and open it in Photoshop – create a final image that recursively shows Photoshop screen shots within Photoshop screen shots. See the image on page 2 of this handout for an example. Save this image as FirstLastFinal.psd in your FirstLast/FirstLastScreenShot/ folder. You should not save the other intermediate Photoshop copies of the PNG files.
14. Exit Photoshop from the Photoshop -> Quit Photoshop menu item. Drag your temporary PNG files to the trash can.
15. Enter your final log entries into README via TextEdit and save this log as a plain text file, UTF-8 encoding.
16. After ensuring that all of your work is within the FirstLast/FirstLastScreenShot/ folder, highlight folder “FirstLastScreenShot” within Finder, then right-click select “Compress FirstLastScreenShot” to create file FirstLastScreenShot.zip, which is a compressed archive file containing all of your work. This ZIP file archive is the file format that you will always turn in by the due date. It contains all files specified by the assignment handout. It must always contain a “README” file that is a log of **your name** and the steps you used to go from your initial to final image. Typically you will save a mid-project image file as well.



DaleParsonInitial.psd



DaleParsonMid.psd



DaleParsonFinal.psd