Assignment 1

Instructions
Complete all of the following steps:

IMPORTANT! Before you start the assignment, make sure you understand the history command. You will be submitting a snapshot of your history that needs to contain all of the commands used to complete the assignment. DO NOT CHANGE OR REMOVE ANYTHING from the snapshot. Marks will not be deducted for having a couple of extra attempts containing errors, AND marks will be deducted if any commands are missing or if the content of the file has been modified, or contains unrelated entries! This is not a time-consuming assignment and it is worth your while to complete the assignment in its entirely a second time!

1) Create the directory sub-tree depicted in Figure 1 at the end of this document. The tilda (~) represents your home directory (which already exists). Make sure all names are as they appear in the diagram—case sensitivity.

2) Navigate to the **lab5** directory. Using the **whatis** command, create a file called **cList**, which will contain the definition list, with a single-line entry for each of the following commands: **ls, pwd, cd, cp, sort, nl, mkdir, rm, grep, cat**. *(If there is no entry in the manual, create one yourself, following the same format.)*

3) Use the **sort** command to sort the file and the **nl** command to number the lines. Save the sorted and numbered list as **commandList** in the lab5 directory.

4) Navigate to **classNotes** directory. Here, create an empty file (using the **touch** command) called **assign1.notes**. Using the **cat** command add your full name as the first line of the document. Add the current date and time (default format) to appear as the second line of the document. Add the absolute path to our home directory (using **pwd**) as the third line of the document. Add the content of the **commandList** to the end of this file.

5) Set permissions to **assign1.notes** so that you have the read and write permissions, other students have no permissions, and your instructors have the read permissions only.

6) Navigate to the **archive** directory. View your history and find the first command used to complete this assignment. Note the line number. Save the history from, and

including, the line you just identified to the end of your history in a file called **snapshot1.txt** in the archive directory.

Submission

7) Create an electronic printout of assign1.notes (called notes.pdf) and of snapshot1.txt (called history.pdf). Make sure both files show line numbers.
Using Notepad++, make sure you have the appropriate add-in that allows you to connect to the atlas server. Once you are connected, you can open the appropriate file, print it to pdf, and then just close it. Alternately, you can download copies of your files using FileZilla.

8) Submit both pdf files in SLATE Dropbox.

9) In the Comments area of the SLATE Dropbox, type (or copy) the absolute pathname to your home directory.

Note:
- Marks will be deducted for improper submission.
- This is a summative evaluation instrument—individual effort. Ask questions and discuss the problem only, NOT THE SOLUTION.

Figure 1