

1 What you need

Item-0. Your NJIT-ID (only last 4 digits). A homework will be denoted as hw. Retrieve the last four digits of your NJIT-ID (NOT YOUR SSN) per Handout 0 (section 2) guidelines. For the sake of an example let them be WXYZ. If you don't know it, login to `my.njit.edu` to find out your NJIT-ID.

In the remainder, we will be using the underscore symbol rather than the dash (minus) symbol, where needed. **The symbol `_` is the underscore symbol, not the minus/dash - symbol.** (Java detests dashes and prefers underscores in identifiers, so we use the latter for consistency.)

2 Rules: Moodle and filenames and filetypes

RULE-1. Moodle. You are expected to submit a homework through moodle. If the homework requires writing it should be a single pdf document that ends with the suffix `.pdf`. The name must (needs to) adhere to RULE-2 below. Make sure you **press the SUBMIT button in moodle**: then and only then will your submission count towards the final grade. If you press a SUBMIT by accident, an email to the address and protocol of Handout 0 (Section 5) will reset it but the time stamp is going to be that of the resubmission. Do not send files by email, they will be discarded.

RULE-2: File-name of submission. Any file you submit must have a `_WXYZ` before the filetype suffix; what WXYZ is, it was explained in Item-0 above. Moodle will reject submissions greater than (or equal to) 5MiB.

Example file name. The pdf submission for Homework 1 of a student whose ID ends with 1234 should be `hw1_1234.pdf`.

RULE-3: Submissions that deviate from RULE-1 and RULE-2 get 0 points. A late submission gets penalized 4 points starting at noon of submission time and every hour thereafter. Thus the submissions system would not close at noon-time but will be open through late that evening: only management system time stamps will be used for penalty point assignment.

3 Screen capture, PDF creation, and your name

Screen capture. If you plan to do screen capture you may use Microsoft's snipping tool or other similar tools. Export in `.JPG` (preferable) or `.PNG`. You can include/import/insert those `.JPG` or `.PNG` files into a Microsoft Word document. Capture only the relevant area and make sure information is viewable afterwards. (This matters for you to keep overall file size at less than 5MiB.)

PDF generation. There is a PDF printer driver in Microsoft Word that can be used to convert the resulting document in PDF. (I believe that Pages in OSX offers something similar.)

File size limitation. Be considerate: file sizes for submission larger than 5MiB will not be accepted in moodle! Include your name and four digits of NJIT on every document you submit.

4 VPN

If you connect to an NJIT computer from outside NJIT, you need to establish prior to this connection a VPN connection (eg your home-based PC will have an NJIT IP address).

(How can you verify the establishment of a connection? Type in google my IP address and if your public IP address starts with 128.235, it is an NJIT one.)

This requires you to download an NJIT supplied VPN client. Go to <https://ist.njit.edu/vpn/> or type in Google NJIT VPN client and follow through the instructions.

Our suggestion is for you to work inside NJIT and thus to avoid the use of VPN completely.

5 Linux and AFS

Sometimes we might ask you to work on a linux afs machine. If you know nothing about the Linux operating system and its command line-based commands, go to the course web-page and Section B3 has two links (URL) to tutorials that can help you.

AFS machines (AFS stands for Andrew File System, a network-based global file system) are located at G1TC (2nd floor) and have names such as oslX.njit.edu or oslXY.njit.edu where X,Y are numeric digits. Machines osl1.njit.edu through osl31.njit.edu should be accessible most of the time by you.

6 Terminal and MobaXterm

In order to access those linux machines from inside NJIT you need to have an ssh (secure shell) client. An ssh client can be accessible or retrievable through a Terminal window (application).

Windows users. NJIT has an enhanced terminal application named MobaXterm, available for download at <http://ist.njit.edu/software-available-download/>.

A terminal application is sometimes known as command window, or command prompt but MobaXterm does more than that. Download it, install it and familiarize with it. You will need it in at least one homework. Included with it there is an ssh client that can be used to connect to other NJIT linux or unix computers.

Mac-OSX users. If you do not own a Windows machine, Mac OSX already has such a program: a MAC terminal available through Applications->Utilities->Terminal.

Linux users. A terminal (xterm or uxterm) similar to the ones available to Mac-OSX users serves the same purpose.

NOTE for Course Management System: Whether it is moodle or canvas note that the deadline is always before NOON. The system might indicate a 11pm deadline or otherwise because students are allowed to submit through 11pm with penalty points deducted at NOON time and every hour thereafter. Grade-wise neither moodle or canvas can figure out the grading scheme of the course. Therefore ignore score accumulations or other grade statistics as well, whether they are nominal or percentages (out of one hundred).
