1   Introduction

The Guidelines for submitting a programming component of an assignment are outlined in this document. For the remainder we assume that you are submitting an implementation outlined in a fictitious assignment numbered K (in this course, K is 1 to 8) and the last four digits of your NJIT ID (NOT YOUR SOCIAL SECURITY NUMBER) are WXYZ. If you do not know your NJIT ID make sure that you find it out. It will be required in all exams/quizzes as well. The NJIT grading system records NJIT IDs; so login to my.njit.edu to get your NJIT ID. If you provide us with your SSN digits you will confuse us. Your SSN is a private piece of information. **WE WILL NEVER ASK YOU TO REVEAL YOUR SSN TO US!**

- Example Assignment, is HW K, and will appear as HW-K.

- Example last four digits of ID are WXYZ and will appear as WXYZ.

2   Checklist for submitting an assignment

1. Compose an email that will be sent to alg485@cs.njit.edu. Make sure that this is the address that you will use and not something else.

2. Make sure that your email has a **subject line** that indicates the assignment number and the last four digits of your id. HW-K-WXYZ is an acceptable subject that indicates a submission of HW number K by a student whose last four digits of his/her ID are WXYZ.

3. Send the assignment files as a single archive file containing all your files (one or more). The archive file can be a zip or tar file. If you want to include comments or remarks include a text file named with the MP number and your ID (eg. HW-K-WXYZ.txt). Name the archive file similarly, HW-K-WXYZ.zip or HW-K-WXYZ.tar. Do not use other archiving or compression formats.

4. When submitting, make sure that you had REALLY sent out the email by for example cc'ing the email to you as well; some email programs have the lousy habit of queueing emails and transmitting them at a later time/day. Try to use an NJIT account to send the email; NJIT's spamming filters might block emails from other accounts! Send the email early and do not wait untile the deadline. We acknowledge emails promptly if they are received during regular hours.

3   Programming

3.1   All or one or a subset of assignments?

Every assignment is worth 140 points. There is a Best-5-of-7-of-9 rule that applies to all assignments including programming ones. You can do one or the other or decide not to do any at all. No matter what you do plan to submit them promptly as late assignments incur a penalty per day delayed as explained in Handout 1.

3.2   Programming Language

We have no hard requirements. You can use, C, C++, Java or even interpreted languages such as Python, Perl, etc. However, the testing will be done on a machine to which access will be granted to you; such a machine is a Linux workstation using Fedora. Alternatively you are allowed to use or request an AFS machine for testing.

3.3   What files to submit

All files that need to be submitted will be submitted as a single zip or tar archive `HW-K-WXYZ.zip` or `HW-K-WXYZ.tar`.

3.4   Information in files

Every submitted file must include your name in full, the assignment number and the last four digits of your id. The last two items can just appear in the standard `HW-K-WXYZ` form as discussed earlier. Experimental results, if required, are included in the source code immediately after your proper identification or in the `HW-K-WXYZ.txt` comment/bug-report file.

An example of a preample is given below.

```
% Alex. Gerbessiotis  HW-K-WXYZ.
%
%   Experimental results are included here. This line
%   may extend on multiple  lines such as this
%   example.
%
```

3.5   Testing platform

The testing will be done on a machine to which access will be granted to you; such a machine is a Linux workstation using Fedora. Alternatively you are allowed to use or request an AFS machine for testing.

4   Grading

1. `No partial credit` will be given to submitted code that does not satisfy the previous guidelines.

2. `No partial credit` will be given to submitted code that is not interpreted/compiled error-free or is incompatible with the guidelines of the assignment. If your code fails to be interpreted/compiled error-free, we will not request retransmission.

3. `No partial credit` will be given for code that does not fully list its bugs.

4. The grader will decide testing instance(s) and grade your submission based on whether it passes successfully or not these testing instances. If your code does not pass any testing instances, it will get 0 points unless bug are fully listed to help grader in his/her assessment of the assignment.

5   Using tar or zip

To untar a tar file into its individual components from the command-line prompt on an AFS machine, run the following command.

```
% tar xvf HW-K-WXYZ.tar
```

To create a tar archive say `HW-K-WXYZ.tar` that includes individual files `A.c,B.java and C.c` do as follows.

```
% tar cvf HW-K-WXYZ.tar  A.c B.java C.c
```

All operations are case sensitive. For zip files use the former of the operations shown below if you just want to list the contents of the zip file; or the latter to extract the files.

```
% unzip -l HW-K-WXYZ.zip
% unzip HW-K-WXYZ.zip

% zip  HW-K-WXYZ.zip A.c B.java
```

6 Using pine to send an email from afs with an attachment

Suppose you want to submit `HW-K-WXYZ.tar` to `alg485@cs.njit.edu` using pine. The following is the sequence of steps that can be followed. (Search also the Web for additional information.)

1. Type pine followed by the recipient's address; you can include more recipient addresses (e.g. yours) by separating additional one with spaces. You will also be given to cc: other recipients in the next step; so it's fine if you do not include any more recipients in this step.

```
%  pine alg485@cs.njit.edu
```

2. After pressing Enter a template similar to the one shown below appears. The `To:` field will be filled with the recipient's address as specified in the previous step. Press Enter to move to the `Attchmnt` field. When you are over it either type the entire path to your attachment, or if it is in the current directory, type the name of the attachment, or furthermore press `CTRL-T` (i.e. while pressing the CTRL button press also the T button). In the latter `CTRL-T` case, navigate around the local directory structure using the UP, DOWN, LEFT, RIGHT arrow keys, and select your choice by pressing ENTER. You can fill in the Subject: line by moving on it, selecting it and filling it. You can type in the body of the messae some text as well.

```
To       : alg485@cs.njit.edu
Cc       :
Attchmnt:
Subject :
----- Message Text -----
```

3. When you are done composing the email, and you are ready to send the email, then and only then press `CTRL-X`. If you change your mind, you can still press `CTRL-C` and cancel the transmission of the email. Or respond to a confirmation request by typing `Y` to send the email.

Other options are list at the bottom of the windows/screen.