
1 Introduction

- a. **Project name.** For the remainder we assume that you are submitting `mp`.
- b. **Conventions.** For the remainder we assume that the last four digits of an imaginary NJIT student (NOT YOUR SOCIAL SECURITY NUMBER) are `WXYZ`. (If they look like letters and not numbers, it is our intention to keep on reminding you they are example 'digits'.) The last four digits of your NJIT ID will also be used in the in-class exams. Memorize them! Even if you are a Rutgers student, you still have an NJIT ID. 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!**
- c. **Email.** Use the email address for the grader as specified on the course web-page under Email(Assistant) and the email of the instructor as in the syllabus (Handout 1) and also the Course Web-page.
- d. **Subject Line of Email.** Make sure that the subject line contains three words `cs435` , `mp` and the last four digits of your NJIT ID separated with spaces as in `cs435 mp WXYZ`.
- e. **Underscore character.** The symbol `_` we are using is the underscore symbol, not the minus/dash `-` symbol.

Checklist for submitting a mini-project

- 0: **Preparation.** Before you submit anything make sure that it works on either `afsconnect1.njit.edu` or `afsconnect2.njit.edu`. This includes the archive that you may submit through step 1 below.
- 1: **Name and Archive.** If we tell you to implement class `huffman` and you use java or C++ we expect a filename that also identifies you such as `huffman_WXYZ.java` or `huffman_WXYZ.cc`. If your code is buggy, submit a separate bug report in a text file named `mp_WXYZ.txt`. If you send more than one file YOU MUST archive them into a single `zip` or `tar` file. Name it `mp_WXYZ.zip` or `mp_WXYZ.tar`. No other archive type WILL BE ACCEPTED, including `rar`. We WANT only SOURCE CODE (including C or C++ header files as needed). Make-sure when we dearchive it, IT DOES NOT CREATE ANY DIRECTORIES (Apple OSX projects usually do so). DO NOT SEND US EXECUTABLES, CLASS FILES (eg `.class` Java files), nor Word documents.
- 2: **Compose.** You need to send ONE email minimally to BOTH the instructor AND the grader (aka assistant, TA) and ALSO to yourself. This ONE email MUST CONTAIN BOTH OPTIONS, if you plan to submit two options, in a SINGLE archive file. The instructor's email is `alexg+cs435@njit.edu` and the grader's will be posted on the course web-page.
- 2: **Subject of Email.** Make sure that your email has a **subject line** that indicates the course, the assignment and the last four digits of your NJIT ID as in `cs435 mp WXYZ`. Yes this is the second time you see it!
- 4: **Send.** When you are done with the composition of your email, make sure that you pressed a button (or clicked) to transmit the email. CC your email to one of your email accounts to verify TRANSMISSION. Some devices delay transmission. Try to use an NJIT account to send the email; NJIT's spamming filters might block emails from other accounts! **We acknowledge emails promptly and if they are received during regular hours, rather quickly.**

2 Programming

Note that underscores (`_`) are used throughout in file and function names.

2.1 C, C++ or Java compilation and testing

For C or C++, use ANSI C or C++. For Java, you are not allowed to use classes/packages that are external to the Java language. “C” or “C++” or “Java” is the facility and version of Java available on the NJIT AFS machines (linux machines, effective Spring 2016). We will probably do the testing on AFS. Make sure that your code thus compiles and runs on an AFS machine (e.g. `afsconnect1.njit.edu`). (If you login to an arbitrary `afs10.njit.edu`, this is an alias to `afsconnect1.njit.edu` or `afsconnect2.njit.edu` or may be `afsconnect3.njit.edu`.) The Lab machines with names such as `osl20.njit.edu` or so may also be used but tell us so!

2.2 Function, class names

Make sure that the entry points of your functions adhere to the name, case, and format outlined in the mini-project description. Thus if you are asked to implement a function `clrssrt`, do so by implementing `clrssrt_WXYZ`; if you provide a function named `CLRSsrt` or `CLRS_srt` or `clrssRT` or `CLRSsrt_WXYZ`, we will ignore it.

2.3 The first line of each file you submit

Make sure that the first line of any file you submit identifies you and the assignment in the form of comment lines. An example is given below for a C or C++ or Java style comments.

```
/* Alex. Gerbessiotis MP WXYZ: ggtest_WXYZ.c */  
or  
// Alex. Gerbessiotis MP WXYZ: ggtest_WXYZ.java
```

3 Grading

0. Microsoft-Word, Binaries, Class files, jar files. If you submit your code as a Microsoft-Word document, it means you don't know what you are doing. You get a 0. Likewise, all binary files, class files or jar files will be ignored. Moreover you will be penalized 50 points.

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 does not compile a source code compatible with the guidelines of the assignment. If your code fails to compile, we will not request retransmission. Read subsection 2.1 carefully!
3. No **partial credit** will be given for code that does not list its bugs (see also next item).
4. **Grading**. 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. (If you provide documentation of bugs, the grader might develop testing instances to evaluate the piece of your code that works. But this would depend on the documentation that your provide with your submission.)

3.1 Assistance/Questions

We respond only to questions strictly related to the clarification of the requirements/semantics/specifications of the mini-project. We do not respond to questions of the form `How do i debug a program?` `What is segmentation violation?`