Marking Guide
CPSC 441 – Assignment 1
Total Points = 100

*We have to be able to **compile** and **run** your code using Java command line tools (i.e., `javac` and `java`) with default options (as installed on CPSC Linux machines). Otherwise, you will receive a mark of 0 regardless of the actual implementation and the amount of code submitted.*

General features:
1. Sending and receiving operations are deadlock free with interleaved reads and writes.
2. Read and write operations are implemented using a buffer.
3. Streams and socket are closed properly.
4. Server name and port number are not hard coded.
5. Both text and binary files are compressed correctly.

General Requirements

Description	Penalty
Program includes concepts or libraries that are not allowed	-50
Method signatures do not conform to the specification	-50
Submission instructions have not been followed	-20
Design document not submitted or unacceptable.	-20
Program does not have proper code structure and comments	-10

Design Requirements

Description	Penalty
Serial Read and Write operations (as opposed to parallel IO)	-50
Byte-by-Byte Read and Write operations (as opposed to block IO)	-20

Comments:

Functionality

Marks	Description	Grade
Typical Case: *Run the server remotely on a CPSC server. Run the client locally. Compress a medium size binary file of a few 100 KBytes.*		

50	1. Expected outcome:
	      a. The client runs and transfer is completed quickly.
	      b. The file is compressed correctly.
	      c. There is no stalling or exceptions.	

10	2. Correct console output format	
Special Cases: *Change the value of the parameters mentioned below. For others, use the default values.*		

20	3. Effect of file size and type
	      a. A small text file of a few Bytes (10)
	      b. A large binary file of several MBytes (10)	

20	4. Error handling
	      a. Wrong server name or port (10)
	      b. Non-existent input file (10)	