Marking Scheme
CPSC 441 – Assignment 3
Total Marks = 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.*

Requirements

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

Comments:

Functionality

Marks	Description	Grade
Base Case: *Run the server remotely. Set the connection timeout parameter to a few second.* *Send GET requests to the web server.*		

40	• 200 OK – the request is formatted correctly:
	   a. *Small text* object transmitted correctly (10)
	   b. *Large binary* object transmitted correctly (10)
	   c. Shutdown works correctly including cleanup code (5)
	   d. Console output is correct:
	      a) Request info (5)
	      b) Response info (5)
	      c) Client info (5)	

30	• Error cases handled correctly:
	   a. 400: Malformed request line (10)
	   b. 404: Request for non-existing object (10)
	   c. 408: non-responsive client (10)	

Additional Cases: *Test for multi-threading functionality. Set the connection timeout parameter to 0.*		

30	• Properly formatted request for medium binary object:
	   a. Multi-threading works correctly (20)
	• Shutdown works correctly when quitting the server with multiple clients:
	   a. Shuts down and terminates without problem (10)	