Project Instruction
Multi-Threaded Web Server
CSCI 4431/4431W/6431

Developing Environment
- Use JAVA
- Use your own computer/laptop to implement the program. (Since hobbes server does not allow you to open the socket (port), so it is hard to test in it. Also, it is also hard to submit the homework through hobbes server).
- You can use IDE (Integrated Development Environment) such as Eclipse.

Requirements
- Web server should continue to accept multiple requests from client browser
- Web server should print out logs: how many connections have been established and what is request method (GET or POST).
- The example web page you include within the web server should include one link leading to another web site or just another file and one picture.

Exemplary Steps:
1. Make web server program with JAVA code and compile it using javac (you should learn by yourselves): in this step, you should specify <port number> you would like to accept requests from clients.
2. Prepare simple web page you want to show to user when it is connected.
3. Using web browser in the same computer, connect to http://localhost:<port_number>
4. Connect multiple times and check whether your program spawns threads properly.

Report (not more than two pages)
- Include short description of how your web server works. DO NOT INCLUDE SOURCE CODE.
- Include output from web server (logs) and one screen shot of web browser when it is connected.

Submission
- Only through Blackboard
- All the materials (programming code + web page and report) must be compressed in .zip or .rar format and the filename of the compressed files must be in the form CSCI4431_FIRSTNAME_LASTNAME.zip (or rar). The course number could be CSCI4431, 4431W or 6431 as you registered. An example acceptable name is CSCI4431_JINHO_HWANG.zip.
- In a compressed file, you should include report file (formats can vary: pdf, doc, txt, etc) and (in one folder) programming including README.txt file describing how to compile and execute the web server.