

# *Proxy Server User Manual:*

## Instructions:

1. Unzip proxy.zip file in your desired location containing the HttpResponse and HttpRequest class files
2. Open up a terminal in that directory
3. Compile with "javac Proxy.java"
4. Run with "java Proxy \*\*\*\*", replacing \*\*\*\* with a port number above >1000
5. Open Firefox
  - a. Go to options / settings
  - b. Type "proxy"
  - c. Click on "Settings..."
  - d. Select "Manual proxy configuration"
  - e. Under HTTP Proxy, type in the address of the machine that is running the proxy server (localhost if using the same machine)
  - f. Under Port, type in the same port number that you used at step 4
  - g. Click "OK"
6. Visit any http website (for example <http://pages.cpsc.ucalgary.ca/~sina.keshvadi1/441/web/>).

The program was tested on a Windows machine, using localhost, port 8080.

## Disclaimers:

1. The program was crashing on my machine due to a NullPointerException raised by a line in HttpRequest.java randomly. This may not be the case with your iteration of HttpRequest.java
2. "Error writing response to client" due to SocketException is caught by the program 99% of the time when sending packets over.

Despite the issues above, the Proxy program *does* meet the requirements, switching the strings "NBA", "2019", "World", "Drummond" to "TBA", "2219", "Titan", "Kobe-B24" respectively, as well as replacing the photos of the original website with newer ones.