

Sci-fi Sports Proxy Server, CPSC 441: Assignment 1

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User Manual:

Welcome to the sci-fi sports proxy. This manual instructs on how to run this proxy successfully.

1. Start by configuring your browser/system to connect to the proxy
 - a. if on windows
 - i. open your control panel
 - ii. click on "Network and Internet"
 - iii. click on "Internet options"
 - iv. navigate to the "Connections" tab on the pop-up window
 - v. click on "LAN settings"
 - vi. under the "Proxy server" header tick the box that says "Use a proxy server for your LAN"
 - vii. click on the "advanced" button
 - viii. Under HTTP type in your address the proxy should use and the port number (refer to step 2)
 - ix. Untick "use the same proxy server for all protocols"
 - x. Press ok
 - b. If using firefox (not recommended as firefox sends some protocols that can confuse the proxy)
 - i. Open options, and search "proxy in the search bar"
 - ii. Tick manual and enter in an address for HTTP and a port number (refer to step 2)
 - iii. Press ok
 - c. Else navigate to your system's proxy settings and change the HTTP proxy address and port (refer to step 2)
2. Choose an address and port
 - a. For port you can use any port higher than 1000 I used 8888 and it was tested on my personal windows 10 machine and even when I had the proxy running on the CPSC linux machine
 - b. For Address, if you are running proxy on a windows machine type ipconfig in your command prompt and use the IPv4 address. If you are using a CPSC linux machine, open the command prompt and type ifconfig and use the inet address that pops up.
3. Navigate to the directory where the source file is
4. Compile the code using the following line in your command prompt "javac Proxy.java HttpRequest.java HttpResponse.java" (without " ")
5. Run the proxy by typing in the command prompt "java Proxy {port number}" (replacing {port number} with the port number you configured)
6. Open your browser (better in private mode so that it does not cache the webpage and you can reload it) and type in <http://pages.cpsc.ucalgary.ca/~sina.keshvadi1/441/web/index.html>
7. enjoy
8. if you want to turn it off simply press ctrl+c in your console and the proxy terminates. Make sure to return to your proxy settings afterwards and set it back to the default. (untick the use proxy server option) or just erase what you put in it