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2/29/2024
CSE 310 - Computer Networks
Professor Jain

README

Any external libraries used

No. I did import OS though.

Instructions on how to run the program

For webserver.py, just run it and it should work. I am utilizing PORT 6789 for webserver.py.
My HelloWorld.html file requires the train.png file to be in the same directory as the <img>
tag is used. You can run all three below and they all work for webserver

- http://localhost:6789/HelloWorld.html
- http://localhost:6789/train.png
- http://localhost:6789/textfile.txt

For proxyserver.py, just run it and it should work. I am utilizing PORT 8888 for
proxyserver.py. The cache created by the program is a folder/directory called 'web_cache'.

Websites do load when WiFi is off, however, I did notice that sometimes the CSS styling may
not apply so it may be plain HTML. I tested over 10 times and 9 out of 10 times, the CSS
loads. It may be due to the fact that I am testing too quickly and not giving the server time.
Also, I didn't see having to return an HTML for part B for 404 errors and I didn't see anything
about it on piazza so I left it.

Webpages that code successfully work for proxyserver.py

- http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file2.html
- http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file3.html
- http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file4.html
- http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file5.html
- www.google.com
- http://httpforever.com/
- http://localhost:8888/http://www.testingmcafeesites.com/testcat_au.html
- http://detectportal.firefox.com/success.txt
- http://http-password.badssl.com/

Correct Usage: localhost8888:/http://httpforever.com/