**CSE 5344 Computer Networks Project 1**

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**Instructions:**

1. The following project is in Python 2.7. If you have a version of python greater than 3 it may cause problems as there is a lot of change in the library.
2. Once you have Python 2.7 installed run the python file without any arguments.
3. The code automatically binds to Server Address 127.0.0.1 and port number 8080.
4. If you get an error, it might be that some other Server is running on the port 8080.
5. Once the Server starts successfully you get the message “Server started successfully”.
6. Then open any Browser and type in “localhost:8080/www.google.com”.
7. The web browser will display the web page.
8. A Cache folder is created in the current working directory and this Cache folder contains all the cached web pages and the log file.
9. When you use the same address again the Server will get the address from local Cache.
10. The Log file contains  
     Host Address: 31.13.66.36  
     Host Name: [www.facebook.com](http://www.facebook.com)  
     Local Port: 8080  
     Request Length: 659  
     Response Length: 0

HTTP Message  
 Round Trip Time: 3623

1. All of the above fields are set dynamically.
2. The web pages in the Cache folder contains cached web pages using with the address of website name like “www.facebook.com”.
3. The code also contains comments at every segment which explains why this part of the code is used.