ECEN-602 Programming Assignment 3

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Team Number: 10

Member 1 # Sama, Avani (UIN: 724004372)

Member 2 # Li, Wan (UIN: 824009186)

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Design:

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For the http\_client.c

* Command line is in the following format: /client.o <proxy address> <proxy port> <URL to retrieve>
* Connect() used to connect to server
* Domain name and page name are separated from URL
* GET function sent to proxy server
* Date recieved from server is stored in a recvfile.txt

For the http\_server.c

* Command line is in the following format: /server.o <proxy address> <proxy port>
* Bind() used to connect to client while connect used for connecting to web server
* Select() used to multiplex between different client request
* QueryCache () Handles functions within a cache- insertion,deletion,getting data from cache
* Depending upon the output of QueryCache()-
  + Webpage is sent from cache
  + Webpage requested from web server
  + Webpage modified using conditional GET

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Implementation:

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Command line for client- /client.o <proxy address> <proxy port> <URL to retrieve>

Command line for proxy\_server: /server.o <proxy address> <proxy port>