**Server Caching**

Created a multithreaded web proxy server that supports GET method and implements caching.

Project Tasks:

• Create a ServerSocket object to monitor the port 8080 or other ports from input;

• If receive client request, create a new thread to process the request. Also a new socket is

• created for the connection with client;

• The ServerSocket object continues monitoring;

• Parse the request line and headers sent by the client.

• If the new request matches a past one, the proxy server will directly return the cached data.

• Send request to “real” Web server. A HTTP response including the requested file will be

• received at the proxy server.

• The thread reads in the instream, get the file name and the content;

• Forward the content to the Client.

• Close the socket, and end the thread.

Technology : Python