Networks web server diary

16/10/2017

Started programming of web server in C. Was able to quickly make a socket, bind it to an address and listen on it for any messages.

17/10/2017

Used my time to look up the protocols for web serving, made a simple response to a client request that always served the same web page no matter what they specify, this was done for testing purposes.

19/10/2017

The sever can now correctly get the specified page a client sends, if nothing is specified, it returns the index page. Currently, the content type is always assumed to be text/html. To allow for images and other file types to be served I've added a structure and an array of the most common file types, this will be used to specify file type to be sent in the server response. Started working on threading using thread control blocks.

22/10/2017

Difficulty with correctly sending the contents of the buffer to the client. Fixed, due to incorrect threading, once one request was processed, the web server stopped working. Once threading was implemented correctly, the client was able to send multiple different requests without any errors.

27/10/2017

Implemented HEAD requests.

29/10/2017

Added bad request handling.