

Version: 1

Due: March 4

### **Problem Set 3**

You are to develop a simple Web server in C that is capable of handling one request at a time. Your server will:

- create a connection socket when contacted by a client (a web browser)
- receive the HTTP GET request for this connection
- parse the request and determine the specific file being requested
- create an HTTP response containing the contents of the file preceded by header lines
- send the response of TCP connection to the browser
- if the browser request a file that does not exist on the server, your server should return a “404 Not Found” error message.

As usual, you have to submit your homework through ICON.

The following resources may be useful in solving the homework:

- HTTP RFC -- <https://tools.ietf.org/html/rfc2616>