Assignments on Object Oriented Software Systems and Real Time and Embedded Systems:

1. Write a client-server application for remote login using Java socket technology. The application should be simplified version of telnet application excluding user authorization part and should work as follows.

The client shows a prompt (such as ‘>’), where users types shell commands (such dir, copy etc.). The client then sends the command to the server for execution. The server, in turn, execute the command locally and sends the output (including error message, if any) of the command back to the client. The client finally displays this result on the screen and finally displays the prompt again. This process continues until user types “exit”. The server should be capable of handling multiple clients simultaneously.

1. Write a simple Java application that behaves like a web client. The application takes a URL of an HTML file as a command line argument and displays the content of the file on the screen. Now write a simple multi threaded web server. Test your server from a browser. For example, if your server is listening on port 8080, and you want to retrieve the file index.html, then you should use the following URL:

http://127.0.0.1:8080/index.html

1. Will be available soon