

Computer Network Laboratory

Assignment given on: 17-10-2011

Submission deadline for “specifications.txt”: 21-10-2011 (2:00 PM)

Submission deadline for the complete assignment: 31-10-2011 (2:00 PM)

Assignment 5: Design and implementation of a text based conferencing system

In this assignment, you are to design and implement a server based text based conferencing system with the following features.

- A server will maintain the accounts of the various users, through a simple user registration process.
- Users can log onto the system whenever they want.
- A designated user will be authorized to initiate a conference, view the users presently logged on, and invite them selectively to the conference.
- During the conference, any user can type some text at his/her terminal which can be seen by all other users participating in the conference.
- During the conference, users can also share files by uploading them to the server, which can be downloaded by the other users.
- Multiple simultaneous such conferences should be possible.

Just the outline of the requirements has been specified. You are also required to first chalk out the detailed specifications of your design before starting to implement the same.

What To Submit:

Submit the following C files: *conference-server.c*, *conference-client.c*, *specifications.txt*