

CSE 324: Computer Networking Lab

Project: File Server System using Socket Programming

Goal:

In this Project, each group, consisting of **two** members, will develop a File Server System in Java or C/C++ to allow users/clients to download a file from the server or upload a file into the server using sockets. The system should at least have the following basic functionalities.

Base Features:

- When the server system is loaded, it will initiate the required communication setup so that clients can join in the system.
- When the client system is loaded, an option to provide the IP address/port number of the server.
- A proper GUI with a directory service that can show the available directories and files.
- A proper context-menu (a right-click mouse operation) for uploading a file in the server.
- A proper context-menu (a right-click mouse operation) for downloading a file from the server.

Extra Features:

- Any additional feature implemented will carry additional marks depending on their functionality and usefulness, e.g. a user can delete a file from the server etc.

Submission:

Each group should submit the complete source code(s) for the working solution, as well as a brief text file called **readme.txt** documenting how to run the system with an explanation of how it works. The file also should contain the names and registration numbers of the group members

Deadline:

TBA.

Grading Guidelines:

- For implementing the base features and extra features.
- Documentation on how to run the system with an explanation of how it works; i.e. how well the readme.txt file is written.
- Viva.

Note: This Project will cover the 40% of the course grade. Good luck!