

Project by: Utsav Dwivedi (100739272) and David Watt(100750864)

**Project Information:** This project is a multithreaded server-client based file sharing system. It allows multiple clients to connect to a server from which the clients can upload and download a file. The files are text files and when they are uploaded, their contents are added to an existing file. When downloaded, the contents of the file are written to another file. The system also has a dir command that shows the contents of the file on the server. The client side is handled through a UI with buttons for the commands.

**Improvements:** Improvements for the UI are adding color to it, along with changing the style of the buttons.

**How-to-run:** On start, the UI for the client will launch. First, the user must run the server class to open the server sockets. Then the user can launch the main, from which the client will be able to connect the socket and continue with using the program. The commands dir, upload and download are used through the UI and the use of buttons.

