HOW TO RUN — CN File Transfer (Socket Project)

This project demonstrates client–server file transfer using Python Sockets with a modern Graphical UI.

Requirements:

- Python 3.10 or higher

- OS: Windows / Linux

- tkinter (comes with Python)

Project Structure:

CN-Project/

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■■■ server.py → Runs the File Server (Backend)

■■■ client.py → Desktop GUI App (Frontend)

Steps to Run:

Step 1 — Start the Server

Open Command Prompt inside the project folder:

python server.py

You should see message:

[*] Listening as 0.0.0.0:5001

Step 2 — Start the Client GUI

Open another Command Prompt window:

python client.py

Client will launch automatically

It will continuously retry until server connection is successful

Upload Files

- Click Upload Files

- Select multiple files

- Progress bar will show live upload progress

- Files will appear in server list instantly

Download Files

- Select any file from list

- Click Download

- Choose where to save file locally

Important Notes:

- Server must be started first

- Do not close server terminal while testing

Exit:

Click Quit button or close window

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Computer Networks — File Transfer Using Sockets