Implementation Plan

Step	Proposed Actions	Priority	Deadline	Result
Main function selection	Print a simple help message when entering the app	Low	Jul-14	Done
	Check input parameters, decide which mode (server/client) the app would run.	High	Jul-11	Done
Server-side: Receive files and save to local directory	Create a socket and wait for connection from the client side. Prompt error message and give suggestion	High	Jul-11	Done
	Respond to client's connection request, print status update	High	Jul-11	Done
	Receive 8-byte packet header, decide the number of files that will be transferred	Medium	Jul-13	Done
	Loop to receive all files: • Receive file name and size • Receive file content • Write received file to local directory	High	Jul-12	Done
	Print status update	Low	Jul-15	Done
Client-side: Send files to the target computer	Get the IP address of the target computer: • Check the input parameter • Get IP address from the input parameter • Get IP address from "send4me.ini" configuration file	High	Jul-12	Done
	Get the list of the files to be sent: • Check the input parameter • Get list of file name from the input parameters • Get list of file name from the local directory • Exclude those file with a name start with "send4me"	Medium	Jul-13	Done
	Create a socket and connect to the target IP	High	Jul-11	Done
	Send 8-byte packet header, specify the number of files that will be sent	Medium	Jul-13	Done
	Loop to send all files: • Get the size of the file to be sent • Send file name and size in a 64-byte header • Send the file content	High	Jul-12	Done
	Print status update	Low	Jul-15	Done
	Save the IP address in the configuration file	Low	Jul-15	Done
Shell script to install and run the app	Check if Python is installed Pass the shell parameter to Python	Low	Jul16	Done