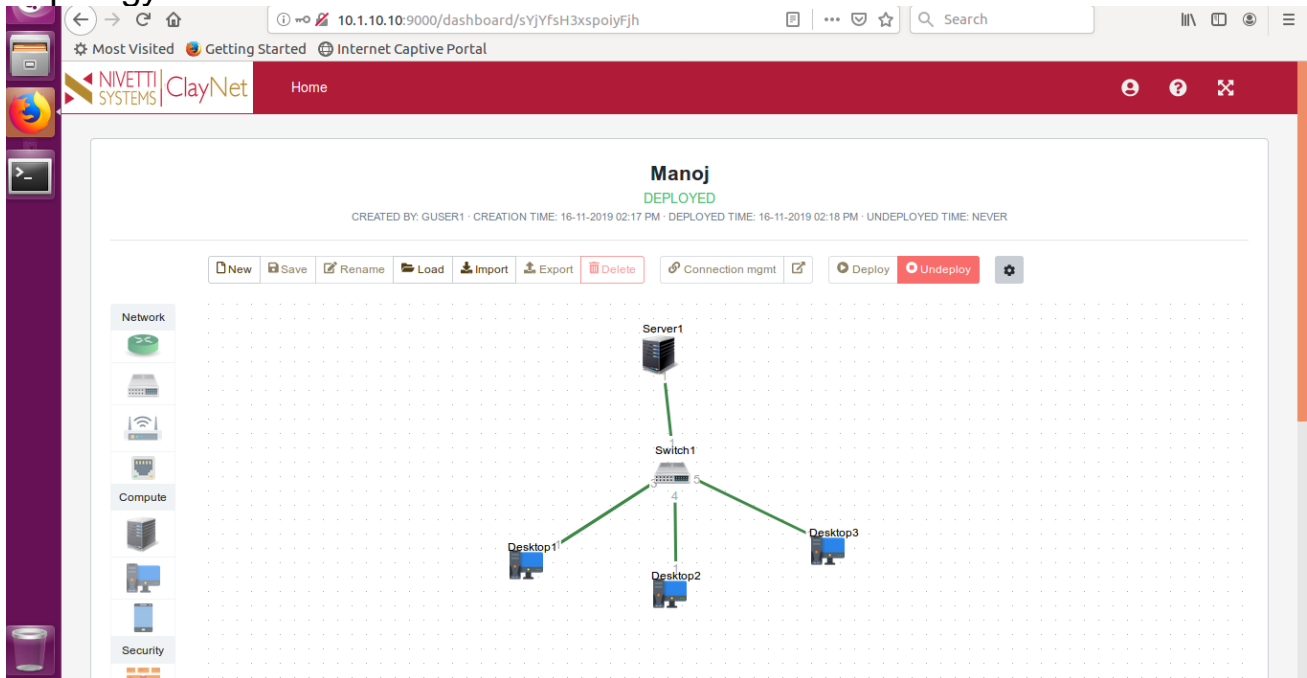


To create a File Transfer System using Socket Programming.

Topology:



Modules:

- socket
- tkinter
- sys
- os

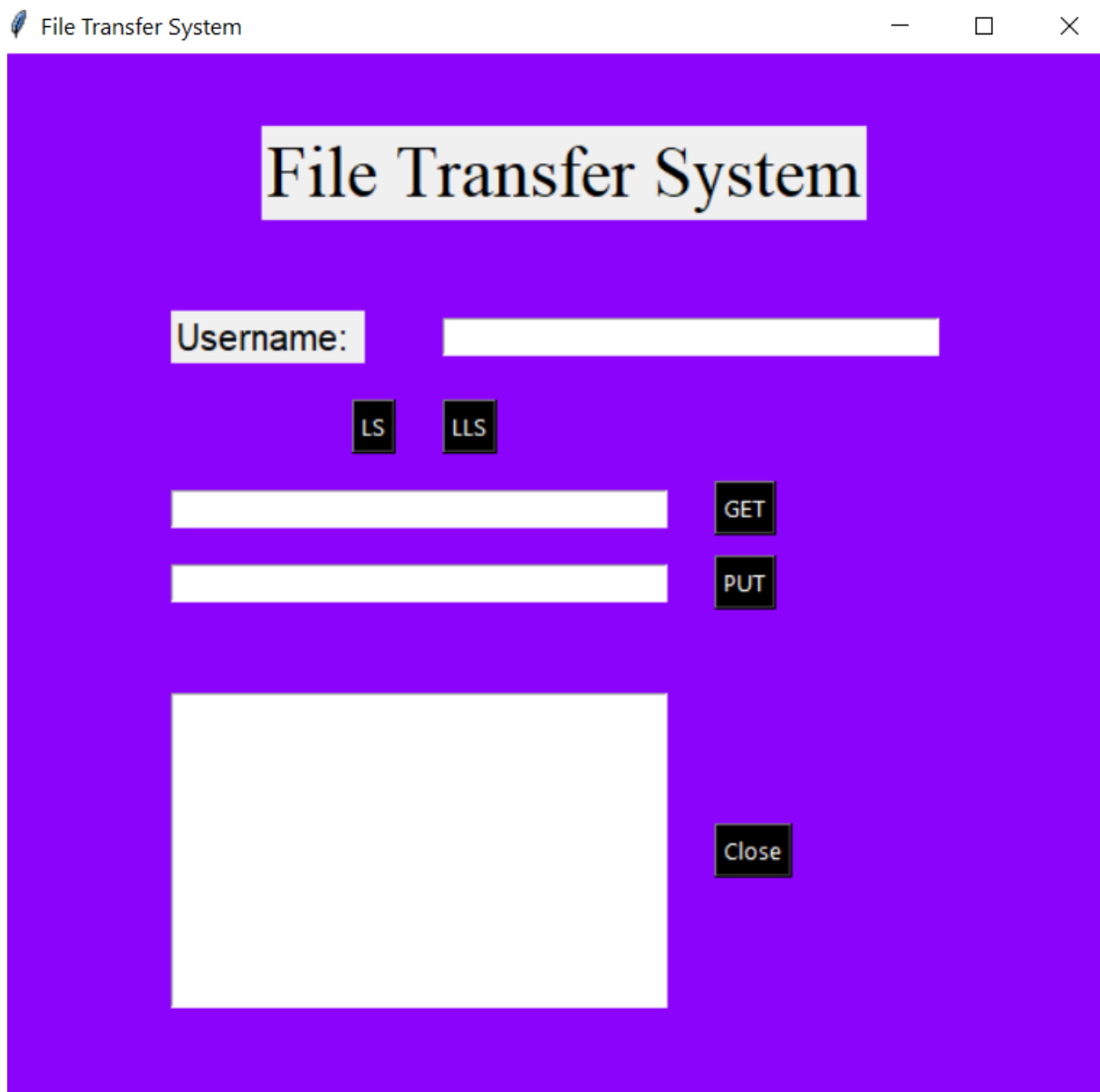
Network concepts:

- Socket Programming
- TCP
- File Transfer Protocol

Features:

- Supports almost all formats including videos.
- Multiple clients can access (download) the same file from the server simultaneously.
- Multi-way transfer of files from client to server and vice-versa is supported.

- Validates whether the file exists on the client/server before sending/receiving.
- Fast and reliable transfer.
- User friendly.



The File Transfer System was created using Socket Programming (TCP). The UI was built using tkinter (Python Module).

The File Transfer System provides the following functionalities:

- **LS**: To show the files present on the client system.
- **LLS**: To show the files present on the server.
- **GET**: To download files from the server to the client system.
- **PUT**: To upload files from the client system to the server.
- **Close**: To close the file transfer system window and end the socket connection.