The project is a distributed file system. Which is done in python language.
The type of system implemented here is of NFS type. And database used is sqlite3
Total four types of servers are implemented here:

Directory server:
It is responsible for mapping all the file names into the file server. It stores all the full names of the files in the file server which are maintained by this server within the local repository.

File server:
It provides access to the files by using NFS file mode mechanism. It focusses more on the read and write access of the files.

Lock server:
Lock server will help in checking the status of the file- if it is locked or not.
If any client requests for read mode (reading of the file) then the file status will be in unlocked status.
But if any client requests for write mode, then it will have changed locked status

Authentication:
It's a basic server, that verifies with the database if a new user signs up, the username and password of the user will be added into the database.
It checks if any existing user logs in - whether the user has entered the correct credentials.