

Dead Drop

- Connection status shown at the time of login by the red or green color
- Username Passwords stored in encrypted form
- New user creation checks for existing username and other redundant cases.
- On login, syncing of files takes place.
- User can change password after login takes place.
- User can Share files with both read and write permissions and see which files have been shared. On trying to share file with a user who doesn't exist, then an error is shown.
- On trying to upload read only files, error message is shown.
- When a file is shared from a to b and b makes a modification in it, a file gets changed automatically when sync takes place.
- The files on the server can be viewed.
- De duplication of files is done. Only 1 copy of the same file is stored on the server.
- In the server UI, the IP and port is visible for ease of connection. List of online users and all users can be seen. Even the files stored on the server can be seen.
- The entire UI and backend is threaded in such a way that the UI becomes inactive when the back end is active which ensures that multiple interfering processes do not take place.

- The core data about all the files is stored in 7 files in a hidden folder. These are initially transferred from the server to client to generate further syncing instructions.
- Logo for the application has been added.
- File history was not done because we could not get diff files properly and others who have done it have done it by storing multiple copies which is against the specification clearly.
- Doxygen has been used to generate documentation of the entire code.