**Laptop to Laptop File Sharing System**



**Subject**

**Computer Network**

Session: 2022-26

**Submitted by**

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# Functionates Available in Project:

## Frontend:

1. User is able to Sign Up.
2. User is able to Sign In.
3. User is authenticated properly at the time of Sign In.
4. Proper Exception/Error handling is done.
5. User is able to navigate from Sign In to Sign Up Page.
6. User is able to navigate from Sign Up to Sign In Page.
7. User is able to send files from one system to another system.
8. User is able to view all the available files on server.
9. User is able to download any specific file from server.
10. User is able to send single/multiple files.
11. User is able to see the progress during file Uploading.
12. User is able to see the Status of the uploaded file.
13. User is able to see the available the devices lying under the same network.
14. Use is able to handle multi types files.
15. User is able to see the progress bar while sharing the file.
16. User is able to Drag Single/multiple files and drop to upload them.
17. User is able to choose multiple files by click.

## Backend:

1. Security Handling by encryption, decryption
2. Cros functionality is applied properly to avoid invalid paths.
3. Server will allow multiple users to connect at one time.
4. Server will accept all the files that users will upload.
5. Server will entertain all the requests of user or downloading files from the server.
6. Server will only allow authorize users to communicate over the network.
7. All files will get encrypted while sharing across the network.
8. Server will treat each user as a thread.
9. Server is able to fetch all the IP addresses using PING, lying under same network.