Web Technologies – I
Semester Project

Title: File Sharing System Over LAN

Team Name: Styx

Group Members:

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Objective:

One of the issues in the current situation is the inability of sharing files efficiently. Software and Applications have a lot of Adware nowadays which disturb the users work environment. Our model stands as one of the better models in the business accounting that it is FOSS(Free open source), free of adware and faster transfer rates. Our main objective is to develop a client-server based webpage which can be used for sharing files between computers connected to the same network. It can also act as a sharing hub, from where users can download the temporarily uploaded files. Our webpage also comprises a messaging service which works for the computers present in the network. Every person who wants to host a file must have an account created in the domain. While for downloading the files you don't necessarily need an authentication. The DNS Server is set up by one computer which acts as the bridge for communication. We will be using CSS, JavaScript and Bootstrap 4 for designing the layout of the webpage and giving it responsive characteristics. We will be using My SQL Server to keep a track of the accounts created and their corresponding credentials. This would help in giving access to authorized people only. We would be using python for creating hosting servers and managing the file transfer. Our website would contain the following webpages

1. Homepage: It will contain the links to the signup page, login page, and file download section.

2. Sign up/Login page : Used to sign up or login into the server.

3. Dashboard : It gives you the recent file transfers from and to the computer to which you have logged on. It also contains links for transfer of files between two specific computers.

4. Sharing Hub: Here the files are uploaded as public. Unlike the file transfer where the file transfer is restricted to two specific computers, The Sharing hub allows a relatively generic access wherein any file hosted by the server , can be downloaded by anyone present in the network.

5. File Transfer: This is used in situations where the file sharing is done between one sender and one receiver, more of like a private file sharing.

6. Messaging: By providing a messaging service we wish to help in efficient communication during file transfer.

7. Usage and Documentation: The usage instructions with the terms and conditions of usage would be defined in this page.

8. About Us: It will contain the details and the work profiles of the developers. It will also contain the contact details, so that the user can get in touch with the developers in case of bugs or query regarding the webpage.