**User Guide for Client-Server Application**

**Introduction:**

This document provides instructions on running the Client-Server File Transfer Application. The application allows clients to request files from the server, and the server responds by sending the requested files to the clients.

**Running the Server:(**start the server which listens for incoming client connections.**)**

1. Open a terminal window.

2. Navigate to the directory containing the server executable.

3. Run the server executable using **./server**

**Running the Client:(**Establish a connection with the server, and the main menu will be displayed.**)**

1. Open a new terminal window.

2. Navigate to the directory containing the client executable.

3. Run the client executable using  **./client**

**Using the Application:**

**Client Features:**

The server provides the following options:

1. Display name and student ID
2. Display 5 random numbers and compute the sum
3. Display server uname information
4. Display a list of files in the 'upload' directory
5. Request a file from the server
6. Exit

**Server Features:**

- The server interacts with the client through a menu.

- Clients can request files from the server using the "Menu" option.

**Implemented Features:**

- File transfer from server to client.

- Displaying student information, random numbers, system information, and file lists.

**Known Issues:**

- After successfully receiving a file, the client application may freeze temporarily before returning to the main menu.

- Exiting the client forcefully using Ctrl+C might cause the server to enter into a loop when handling file requests.