

OS-assignment-3

This project implements a global chat system where everyone can talk to everyone. Follow the instructions below to run the project.

Prerequisites

- Ensure you have the necessary tools installed to run **make** commands and execute binary files.

Getting Started

1. Download the project to your local machine.
2. Navigate to the project root directory in your terminal.
3. Run the following command to build all necessary components:

```
make all
```

This command will call **make all** for all subdirectories.

Running the Server

- To run the server from directory A or directory C, navigate to the respective directory and execute:

```
./server
```

- **Note:** If you're running the server from directory C, make sure you have already run **make** in directory B. This is not necessary if you've run **make all** at the beginning for all directories as instructed.

Running the Client

- To run the client, navigate to directory A and execute:

```
./client
```

Closing the Client

- To close the client, type **exit** or press **Ctrl+C**.

Closing the Server

- To close the server, press **Ctrl+C**. All connected clients will receive a message that the server is shutting down, and the connection will be closed.

Troubleshooting

- If you encounter any issues, ensure that you have followed all the instructions correctly and that all necessary components have been built using `make`.