# Java RMI Chat App

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Introduction

The Java RMI Chat App with GUI is a project that enables real-time communication between multiple users over a network. It combines Java's Remote Method Invocation (RMI) technology with a graphical user interface (GUI) built using Swing. This project provides a platform for users to engage in chat conversations seamlessly, offering a user-friendly interface for an enhanced chat experience.

Project Objective

The primary objective of the Java RMI Chat App with GUI is to facilitate real-time communication between multiple users over a network. By leveraging RMI technology, the project aims to provide a reliable and scalable solution for chat applications. The GUI enhances the user experience by providing intuitive controls for sending and receiving messages
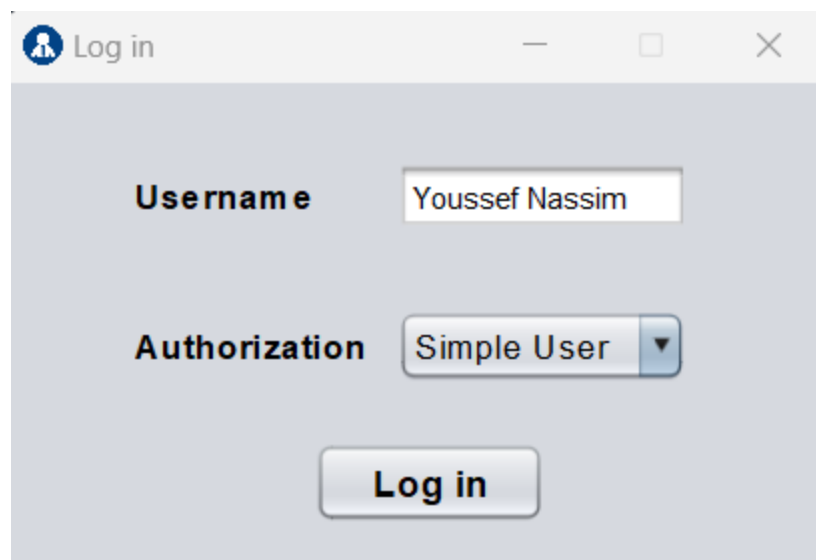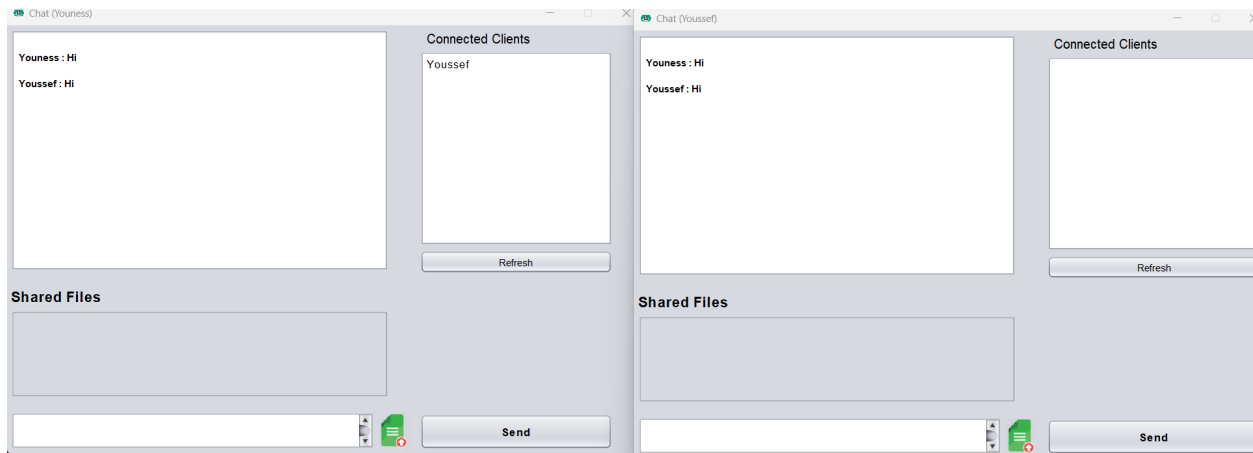
Stack Used

- Java RMI: For enabling communication between clients and the server.
- Swing (GUI): For creating the graphical user interface for the chat client.

How to Run the Code

For ChatServer:

1. **Change Directory to ChatServer:**

```
cd ChatServer
```

- **Compilation:**

  - Change Directory to Source Code:

    ```
    cd src
    cd com
    cd remote
    cd server
    ```

- Compile the Main.java file:

  ```
  javac Main.java
  ```

- **Execution:**

  - Run the Main class:

    ```
    java Main
    ```

For ChatClient:

1. **Change Directory to ChatClient:**

   ```
   cd ChatClient
   ```

- **Compilation:**

  - Change Directory to Source Code:

    ```
    cd src
    cd com
    cd remote
    cd client
    ```

- Compile the LoginView.java file:

```
javac LoginView.java
```

- **Execution:**

  - Run the LoginView class:

```
java LoginView
```

By following these steps, you'll be able to compile and run the `Main` class in the `ChatServer` directory and the `LoginView` class in the `ChatClient` directory. Adjust the directory paths and class names as needed based on your project structure.