

How to run the application:

From IntelliJ

Step 1: Download the app.

Download the code from the GitHub. ([GitHub](#))

Step2: From IntelliJ

Open the downloaded project.

Step 3: Run the Server

Open the Server file and click on the green arrow next to the main method to run the server.

Step 4: Run the Client

Open the Client file and click on the green arrow next to the main method to run the client.

repeat this step to run multiple clients.

Step 5: Test the Chat Application

Follow the prompts in the client console to enter usernames and passwords.

Observe the messages being broadcasted when clients send messages.

From Terminal

Step 1: Download the Code

Download the server and client java files:

- [Client.java] ([GitHub](#))
- [Server.java] ([GitHub](#))
- [ClientHandler.java] ([GitHub](#))

Step 2: Compile the Code

Server:

1. Open the terminal / command prompt.

2. Navigate to the directory containing the Server.java.
3. Compile the server code:

```
javac Server.java
```

Client:

1. Open another terminal/command prompt.
2. Navigate to the directory containing Client.java.
3. Compile the client code:

```
javac Client.java
```

Step 4: Run the Code

Server:

1. In the server terminal, run the server:

```
java Server
```

Client:

1. In the client terminal, run the client:

```
java Client
```

2. Follow the prompts to enter a username and password.
3. If authentication is successful, you can start chatting by entering the message.

Step 5: Test the Chat Application

1. Open multiple client terminals and run the client code in each.
2. Enter different usernames and passwords for each client.
3. Observe the message being broadcasted when clients send messages.