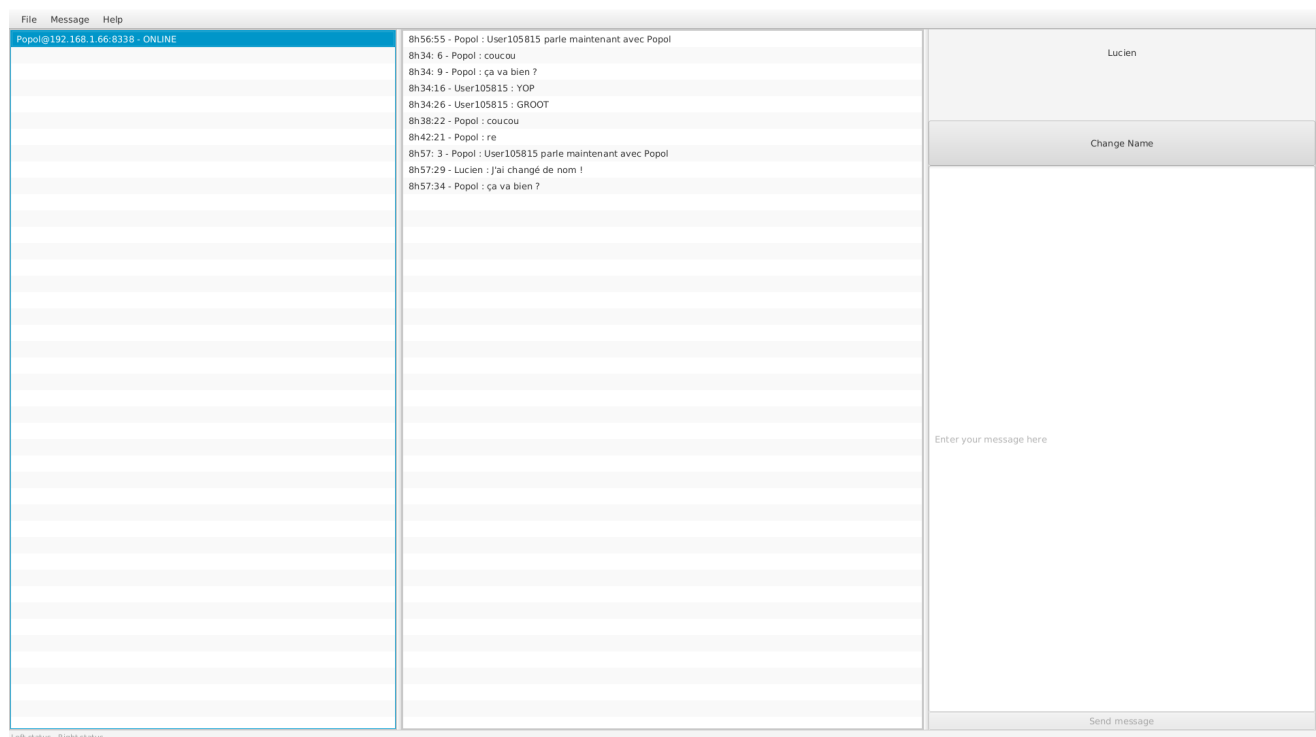


Chat project INSA by Paul FLORENCE & Lucien MENASSOL

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Screenshot



Supported Features

- Windows, OS X and Linux client
- Easy to run executable (no installation)
- Small software (< 50 Mb)
- Choose your username
- Change your username seamlessly
- Discover other users in your local network or use a presence server
- Unique identifier (!= pseudonyme)
- Timestamped messages
- Message history (data persistence)
- Small memory footprint (< 100 Mb)
- Nice user-friendly interface
- Manually connect to a user by specifying his IP address
- REST API endpoint to allow for plugin developpement

Unsupported Features

- Color support
- User authentication
- User pictures (avatars)
- Encrypted communication

Installation Instructions

Get the project

Prerequisite

You need to have the following dependencies installed to compile the project:

- Java 8 or newer
- The Maven build system
- A running local instance of MongoDB

You can use these one liners to install these dependencies:

On Ubuntu:

```
apt-get install mongodb-org default-jre maven
```

On Arch-compatible distributions:

```
pacman -S mongodb jdk8-openjdk maven
```

Download with git (development version)

Get the project through git (latest developement version) :

```
git clone https://git.florencepaul.com/gbip/poo
```

Download from the latest release

You can simply download the binary from the [latest release](#).

On *Ubuntu Mate* you can run the application by right-clicking on it and selecting `Ouvrir avec OpenJDK Java 8 Runtime`.

Otherwise you need to open a terminal, go into the folder containing the jar you downloaded and execute :

```
java -jar NewClav3000.jar
```

If you want to use the presence server instead of launching the app in p2p mode, use

```
java -jar NewClav3000.jar --presence-server <presence-server-ip>
```

Build the project

You need to have **maven** installed to build this project.

If you have already downloaded the sources, go in the project folder :

```
cd NewClav3000
```

You can then build the whole project with

```
mvn compile
```

To run, just execute :

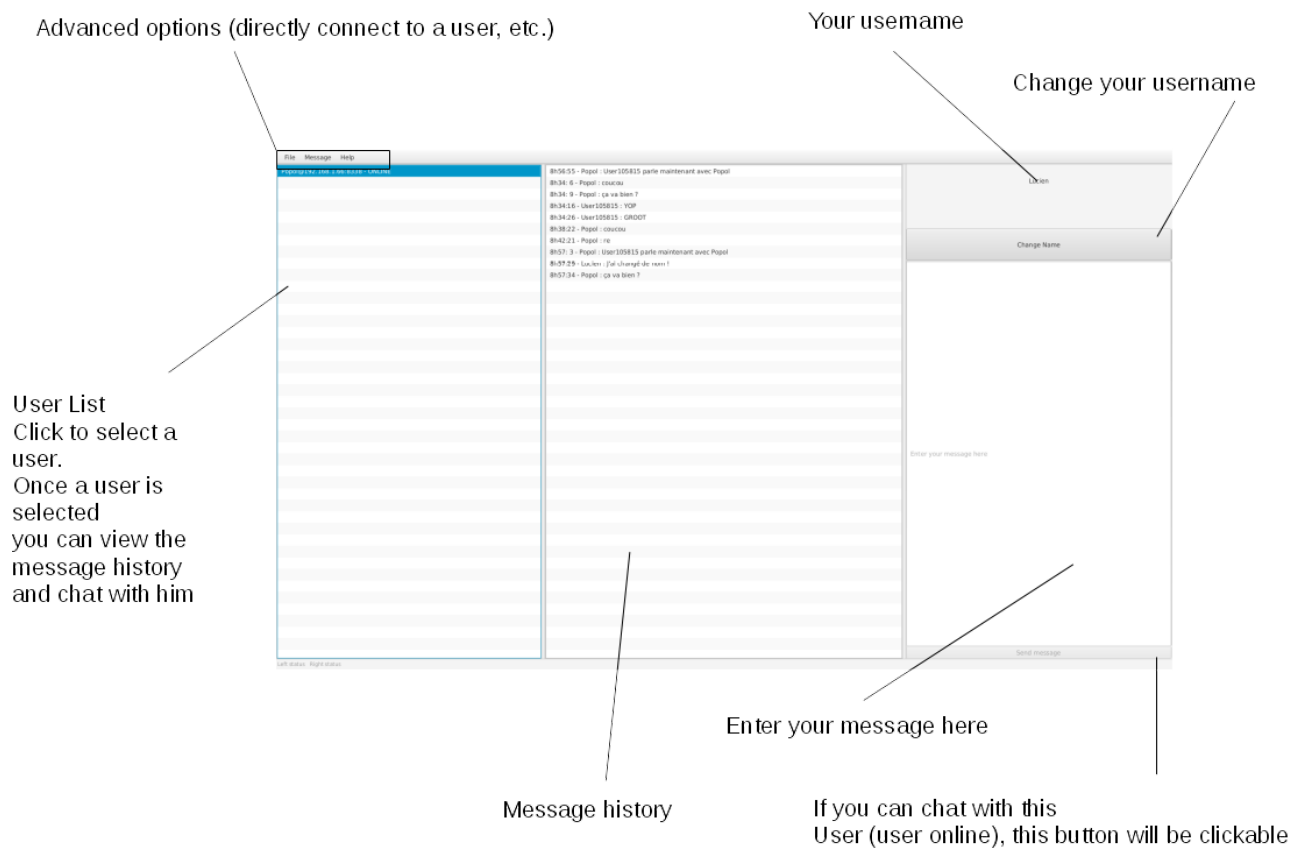
```
mvn exec:java [ -Dexec.args="--presence-server <presence-server-ip>"]
```

To package a jar with all the dependencies, execute :

```
mvn compile assembly:single
```

If you want to build and run the presence server, replace `mvn exec` with `mvn exec -Dexec.mainClass="com.insa.app.server.Server"`.

Use the GUI



Requirements

In order to successfully run the application you need to :

- have a running MongoDB server
- be on a network that support broadcast
- have a firewall that let the traffic flow through ports 8338, 44444 and 56765
- run Java8 or higher