NPSquare ChatBox

Chat Client for PC

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Synopsis/Abstract

NPSquare ChatBox is a chat client for PCs. It is used for chatting or communicating with another client.

Installations required

Java JDK and JRE

Java JDK and JRE (latest version would be better) are required in order to run our chat client.

If you do not have Java JDK or JRE pre-installed in your device, then you could download from link provided below :

Java JDK 14 : https://www.oracle.com/java/technologies/javase-jdk14-downloads.html

Java JRE 8 : https://www.oracle.com/java/technologies/javase-jre8-downloads.html

Java IDE

Although this is not necessary to have in your device, it will be better and easier to run our project with the help of an IDE.

If you do not have any editor which supports the Java language, following are some links to famous and commonly used editors for download.

Visual Studio Code : https://code.visualstudio.com/download

Eclipse IDE : https://www.eclipse.org/downloads/

IntelliJ IDE : https://www.jetbrains.com/idea/download/#section=windows

How to Run?

With Java IDE

If you have Java IDE installed in your device, simply run our project source code by clicking on the "Run" button of IDE.

Without Java IDE

1. Open Terminal (Command Prompt/Powershell)
2. Navigate through to directory where you have stored our project source code (with the help of cd command)
3. Type exactly the same commands as given :

   > javac launch.java

   And then press **Enter**.

   > java launch

   And then press **Enter**.

   (**Note** : Do not include ">" in your command)

   This will launch our project and then you could use it.

How to Use?

1. Enter your username as asked. Then click "**OK**".
2. In the Host/Join dialogue box,
   a. If you are running for the first time, click on "**Host**" to host a new chat.
   b. If you want to join an existing chat, click on "**Join**".
3. Now ask your friend (must be present in the same network as yours)to run the same source code in his/her device.
4. Friend should click on "**Join**" in order to join chat.
5. On clicking "**Join**", he/she should enter the IP address of the device and then click "**OK**".
6. In order to know your IP address, follow these steps :
   a. Open Terminal
   b. Type exactly the same command as given :

      > ipconfig

      And then press **Enter**.

   (**Note** : Do not include ">" in your command)

7. Now, after giving an IP address, you and your friend can now chat using our NPSquare ChatBox.
8. To send a message, type in your message in the message area, and then to send the message, click on "**Send**".

9. To quit chatting, click on "**File**", and then click on "**Quit**".

Features

Erase Messages

This feature will erase all your previous messages.

To use this feature, do the following step :

Click "**File**" -> Click "**Erase**".

Your all previous messages will be erased.

Restore Messages

This feature allows you to restore all your previously cleared/erased messages.

To use this feature, do the following step :

Click "**File**" -> Click "**Restore**".

Your all previously erased messages will be restored.

Change Font Color

This feature allows you to change the font color of your chat.

To use this feature, do the following steps :

Click "**Color**" -> Click "**Font**".

By default tab is Swatches, where you have a variety of options to pick a color. Click on any color of your choice (You could also preview your text as shown in the same dialogue box) and then click "**OK**".

To reset font color to default, Click on "**Reset**".

Other options to change font color are **HSV**, **HSL**, **RGB** and **CMYK**.

Change Background Color

This feature allows you to change the background color of your chat.

To use this feature, do the following steps :

Click "**Color**" -> Click "**Background**".

By default tab is Swatches, where you have a variety of options to pick a color. Click on any color of your choice (You could also preview your text as shown in the same dialogue box) and then click "**OK**".

To reset background color to default, Click on "**Reset**".

Other options to change font color are **HSV**, **HSL**, **RGB** and **CMYK**.