

Class ServerGUI

java.lang.Object
ServerGUI

```
public class ServerGUI
extends Object
```

The GUI for the chat server. It displays the server IP, server Port, and a list of the clients that are connected to the server.

Field Summary

Fields

Modifier and Type	Field and Description
private static JTextArea	clientListDisplay Text area to display connected clients
private MainServer	server Access to the main server in order to close the socket and I/O streams when the server is closed

Constructor Summary

Constructors

Constructor and Description
ServerGUI(String ip, int portNum, MainServer server) The constructor for the server's GUI.

Method Summary

All Methods	Instance Methods	Concrete Methods
Modifier and Type	Method and Description	
void	displayGUI(String ip, String port)	The GUI for the server.
void	displayText(String newText)	

Displays the client information for each new client that connects to the server on the server GUI.

Methods inherited from class `java.lang.Object`

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Field Detail

clientListDisplay

```
private static JTextArea clientListDisplay
```

Text area to display connected clients

server

```
private MainServer server
```

Access to the main server in order to close the socket and I/O streams when the server is closed

Constructor Detail

ServerGUI

```
public ServerGUI(String ip,
                  int portNum,
                  MainServer server)
```

The constructor for the server's GUI. It calls the method that displays the server information

Parameters:

`ip` - The IP address of the server

`portNum` - The port number the server is listening on

Method Detail

displayGUI

```
public void displayGUI (String ip,  
                        String port)
```

The GUI for the server. Is displays a box of the Ip and Port

displayText

```
public void displayText (String newText)
```

Displays the client information for each new client that connects to the server on the server GUI.

Parameters:

newText - The clients information