

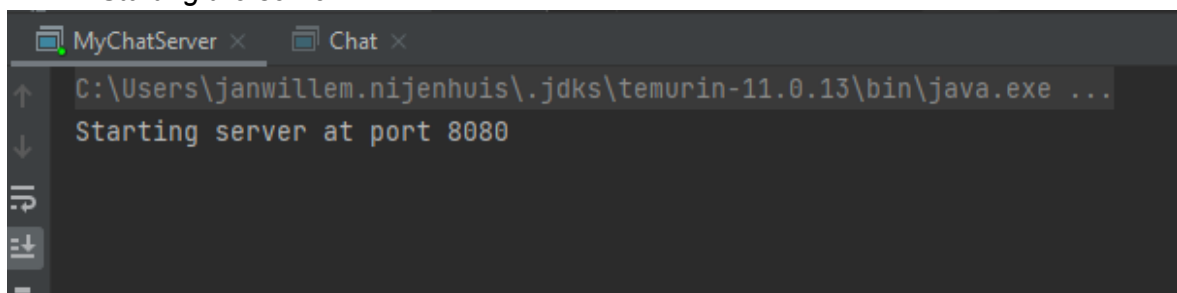
Testing report for FR 1

FR 1: Chat application

Expected behaviour: The server should start and show the port it is connected to. Multiple clients can connect to the server on this very port, on the localhost. Each client can set his/her name. If a client connects, it should display "name: joined the chat" and it should display the message "Accepted new client" on the server side. If a client sends a message, it should be visible as "name: message", where name is the chosen name. This should be visible on each client instance. If a client quits all other clients should receive the message "name: left the chat". The server should not quit if a client leaves the chat.

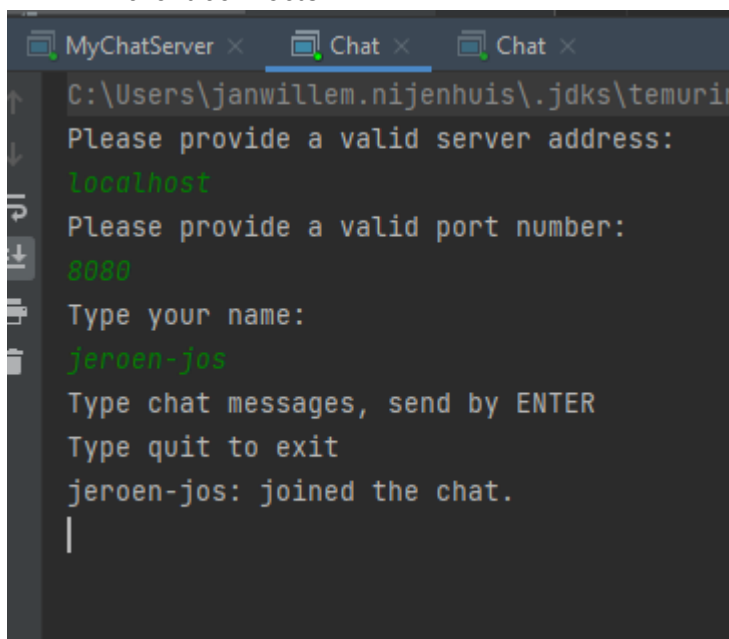
Testing result

- Starting the server

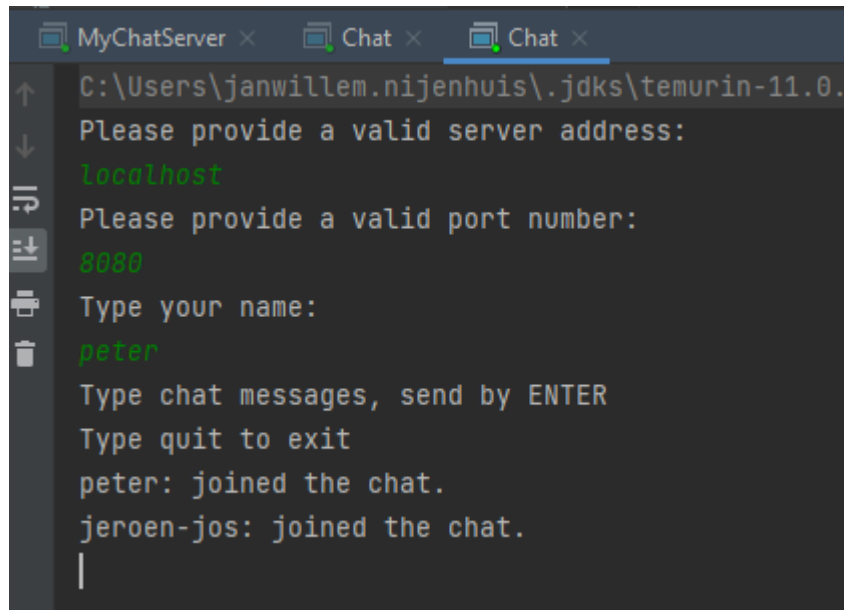


```
MyChatServer x Chat x
C:\Users\janwillem.nijenhuis\.jdk\temurin-11.0.13\bin\java.exe ...
Starting server at port 8080
```

- A client connects

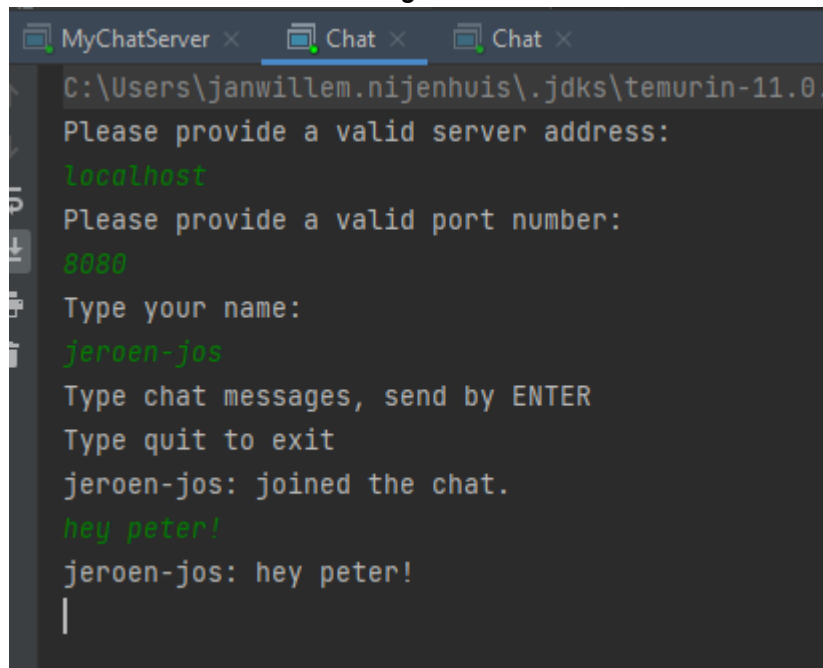


```
MyChatServer x Chat x Chat x
C:\Users\janwillem.nijenhuis\.jdk\temurin-11.0.13\bin\java.exe ...
Please provide a valid server address:
localhost
Please provide a valid port number:
8080
Type your name:
jeroen-jos
Type chat messages, send by ENTER
Type quit to exit
jeroen-jos: joined the chat.
|
```

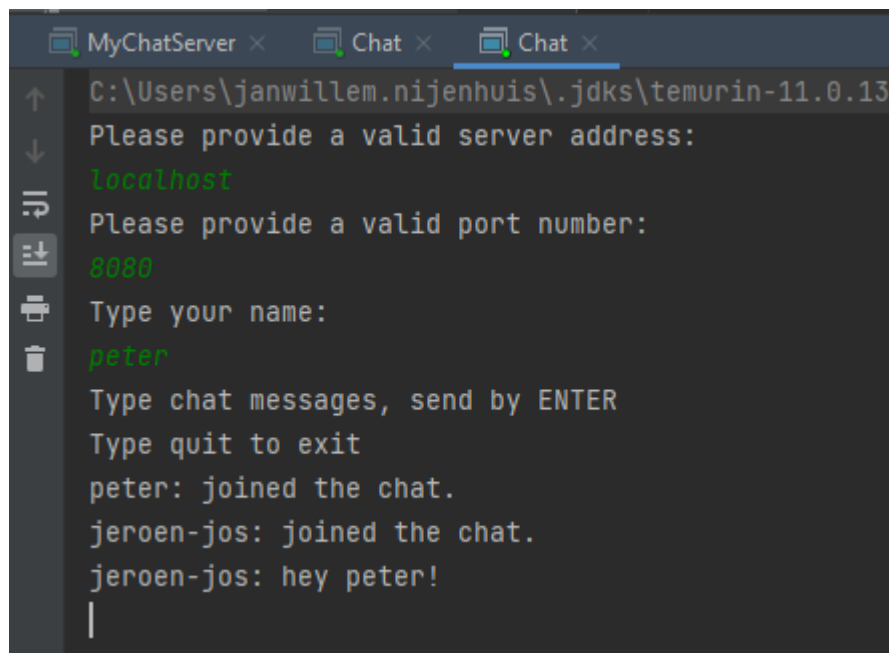


```
MyChatServer x Chat x Chat x
C:\Users\janwillem.nijenhuis\.jdk\temurin-11.0.
Please provide a valid server address:
localhost
Please provide a valid port number:
8080
Type your name:
peter
Type chat messages, send by ENTER
Type quit to exit
peter: joined the chat.
jeroen-jos: joined the chat.
|
```

- *A client sends a message*

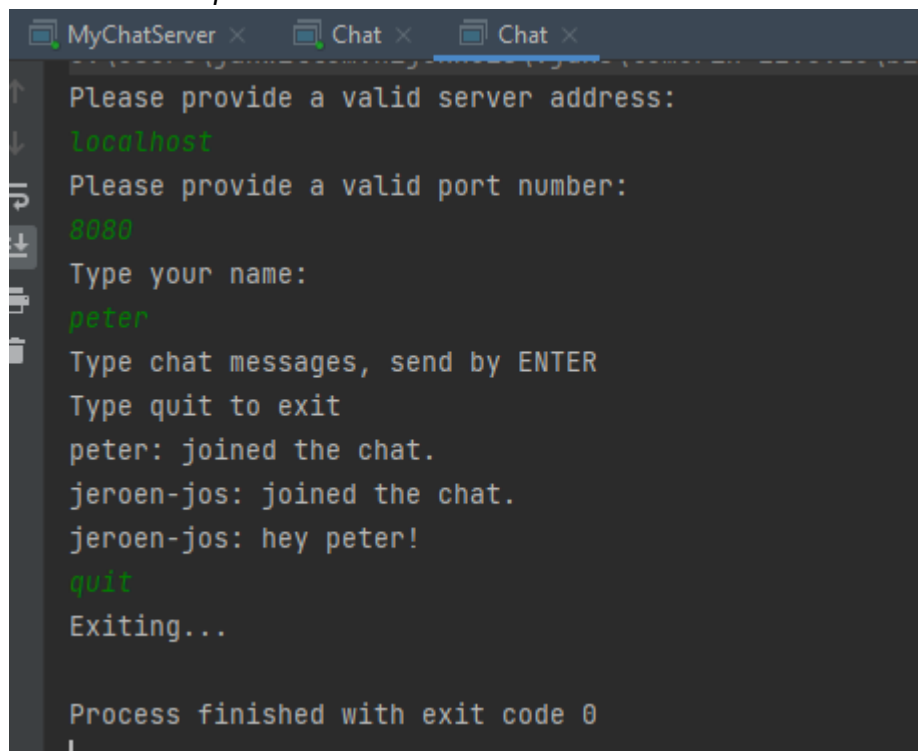


```
MyChatServer x Chat x Chat x
C:\Users\janwillem.nijenhuis\.jdk\temurin-11.0.
Please provide a valid server address:
localhost
Please provide a valid port number:
8080
Type your name:
jeroen-jos
Type chat messages, send by ENTER
Type quit to exit
jeroen-jos: joined the chat.
hey peter!
jeroen-jos: hey peter!
|
```



```
MyChatServer x Chat x Chat x
C:\Users\janwillem.nijenhuis\.jdk\temurin-11.0.13
Please provide a valid server address:
localhost
Please provide a valid port number:
8080
Type your name:
peter
Type chat messages, send by ENTER
Type quit to exit
peter: joined the chat.
jeroen-jos: joined the chat.
jeroen-jos: hey peter!
|
```

- *A client quits*



```
MyChatServer x Chat x Chat x
Please provide a valid server address:
localhost
Please provide a valid port number:
8080
Type your name:
peter
Type chat messages, send by ENTER
Type quit to exit
peter: joined the chat.
jeroen-jos: joined the chat.
jeroen-jos: hey peter!
quit
Exiting...

Process finished with exit code 0
|
```

```
MyChatServer x Chat x Chat x
C:\Users\janwillem.nijenhuis\.jdk\temurin-11.
Please provide a valid server address:
localhost
Please provide a valid port number:
8080
Type your name:
jeroen-jos
Type chat messages, send by ENTER
Type quit to exit
jeroen-jos: joined the chat.
hey peter!
jeroen-jos: hey peter!
peter: left the chat
|
```

```
MyChatServer x Chat x Chat x
C:\Users\janwillem.nijenhuis\.jdk\te
Starting server at port 8080
Accepted new client.
Accepted new client.
|
```