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Test rapport Chatapp feature selection

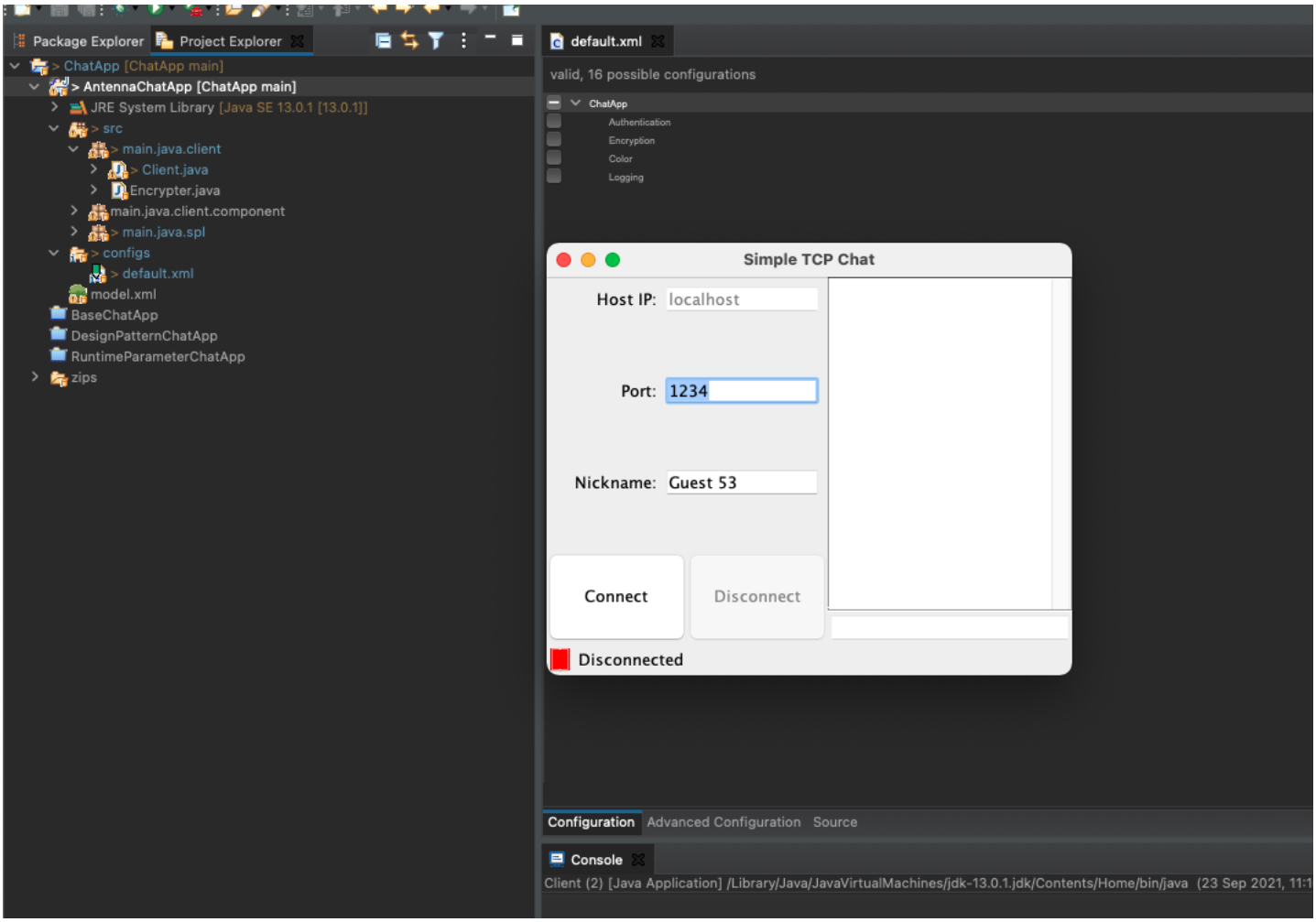
We have used the antenna preprocessing tool, by adding #if CONDITION ... #endif, we made sure to encapsulate each feature. A set of different combinations will be tested and the results will be shared in this document. For each manually test we made sure the config file and application are shown on the image for each test case. In the image shown there will be a selection panel for:

- authentication
- encryption
- color
- logging

we run the application with the given configuration shown on the image. The result is the running application.

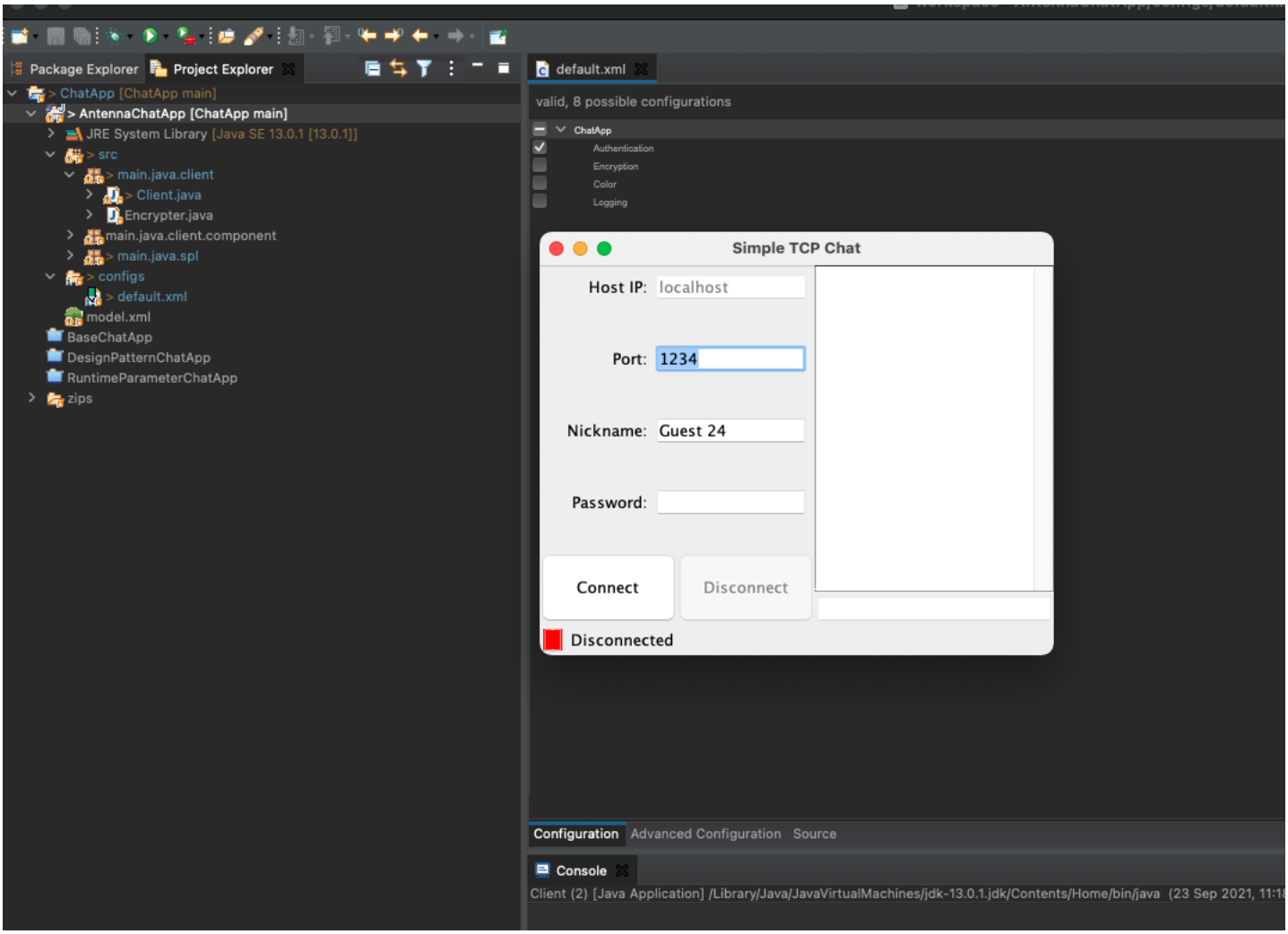
Base Chatapp

The app without any feature enabled



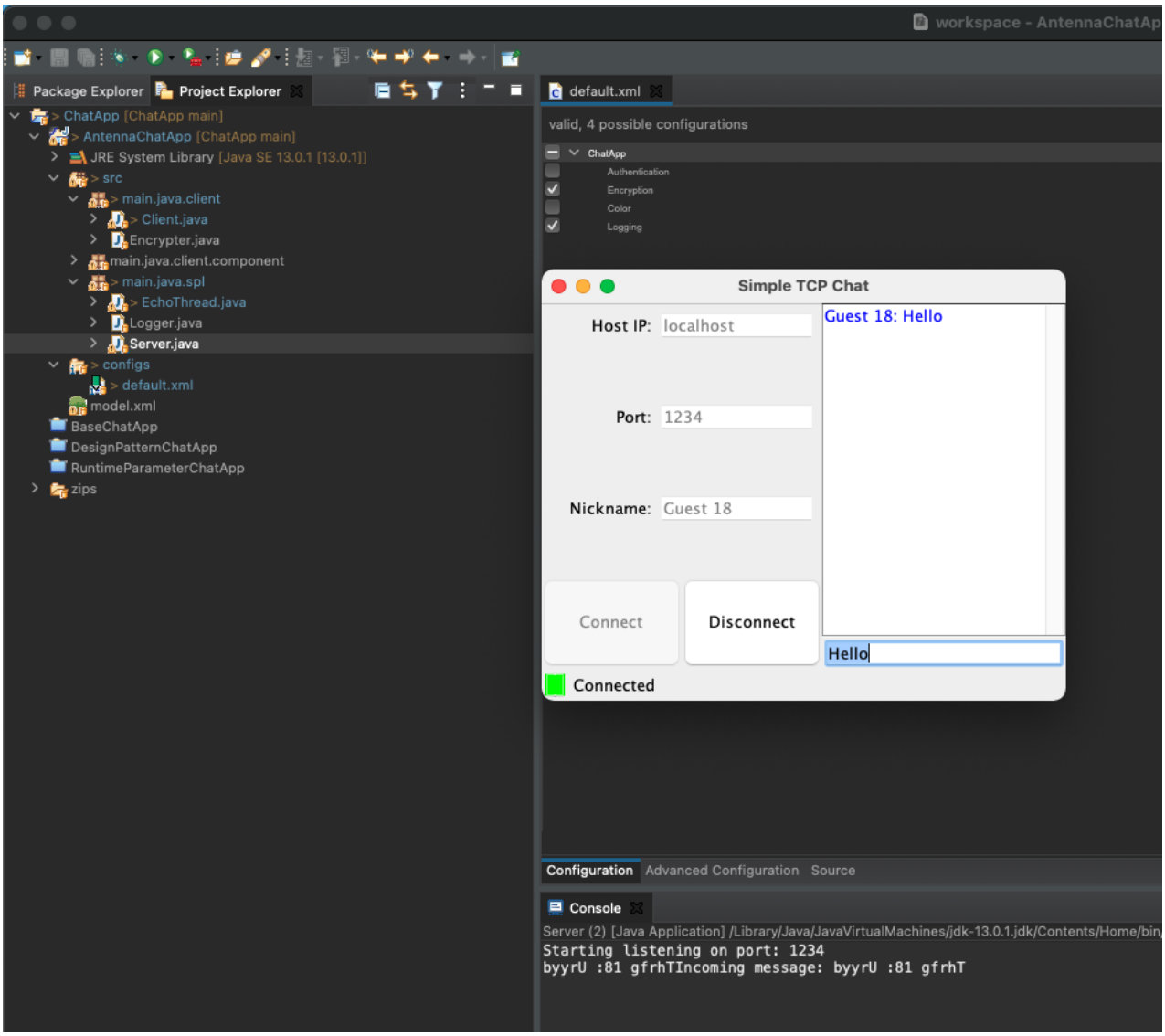
Authentication feature enabled

The app only with authentication enabled, should show login by password.

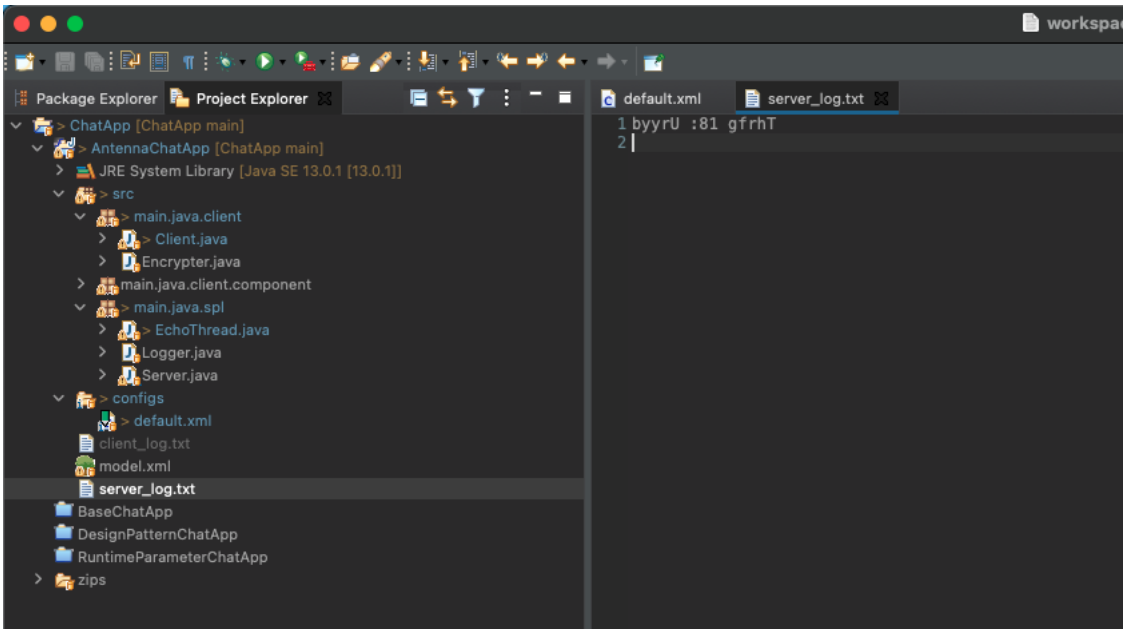


Logging and encryption feature enabled

Showing encryption is hard so we enable logging to show it encrypts all communication and also showing the logging function. Keep in mind both can still be disabled seperatly but makes it harder to show the working logging function.

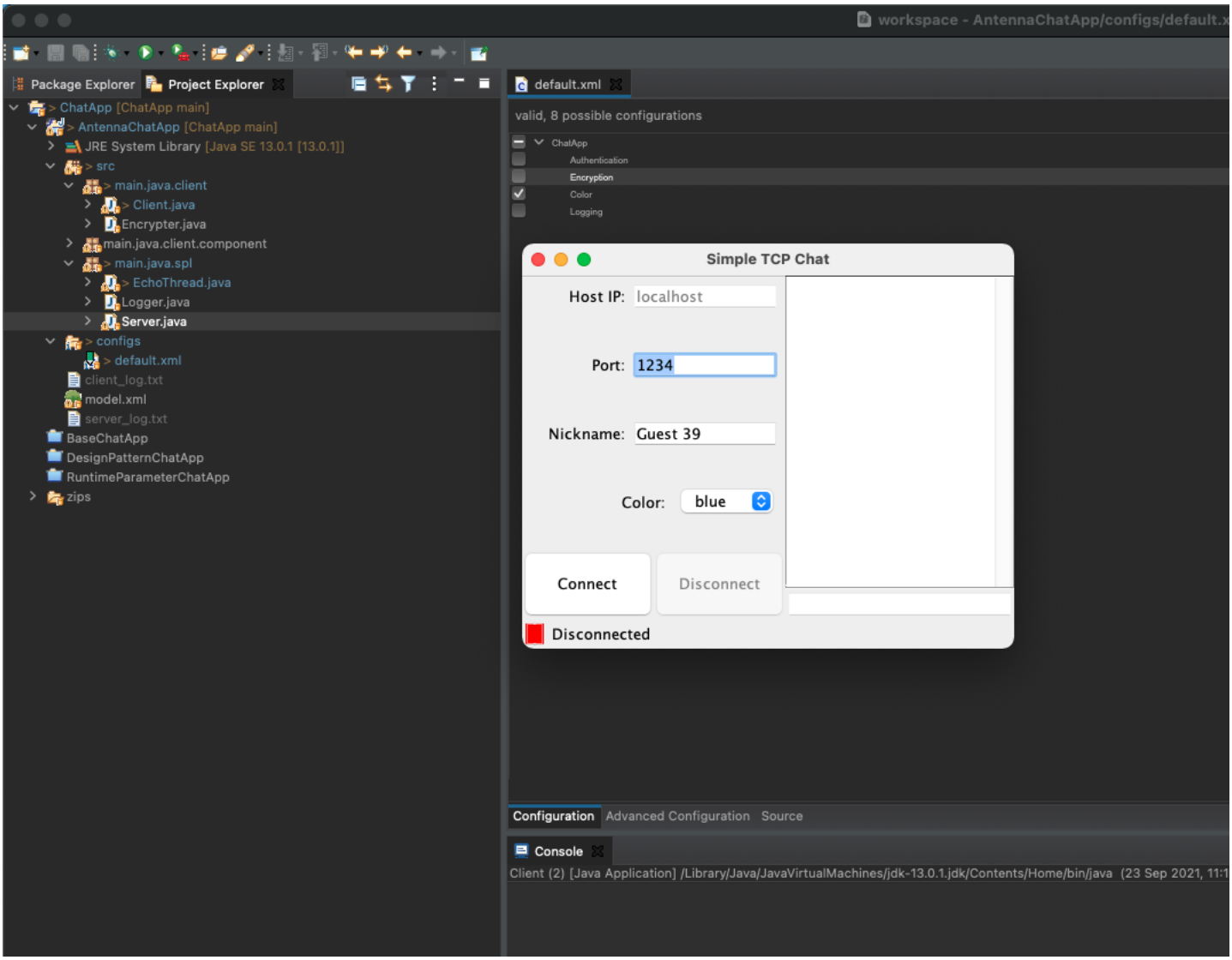


the logs are saved in a seperate log file see underneath.



color feature enabled

The app only with color enabled, should show color feature dropdown.


workspace - AntennaChatApp/configs/default.x
Package Explorer
Project Explorer
> ChatApp [ChatApp main]
> AntennaChatApp [ChatApp main]
JRE System Library [Java SE 13.0.1 [13.0.1]]
> src
> main.java.client
> Client.java
Encrypter.java
main.java.client.component
> main.java.spl
> EchoThread.java
Logger.java
Server.java
> configs
> default.xml
client_log.txt
model.xml
server_log.txt
BaseChatApp
DesignPatternChatApp
RuntimeParameterChatApp
zips
default.xml
valid, 8 possible configurations
ChatApp
Authentication
Encryption
Color
Logging
Simple TCP Chat
Host IP: localhost
Port: 1234
Nickname: Guest 39
Color: blue
Connect
Disconnect
Disconnected
Configuration
Advanced Configuration
Source
Console
Client (2) [Java Application] /Library/Java/JavaVirtualMachines/jdk-13.0.1.jdk/Contents/Home/bin/java (23 Sep 2021, 11:1