## Guide projet client-serveur 2020

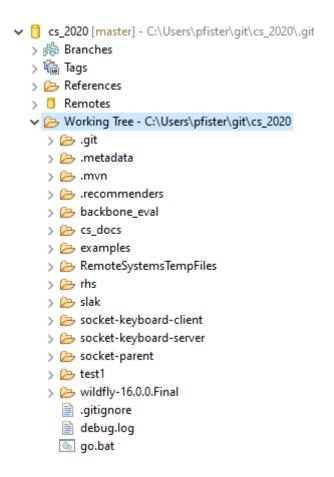


Figure 1: perspective git

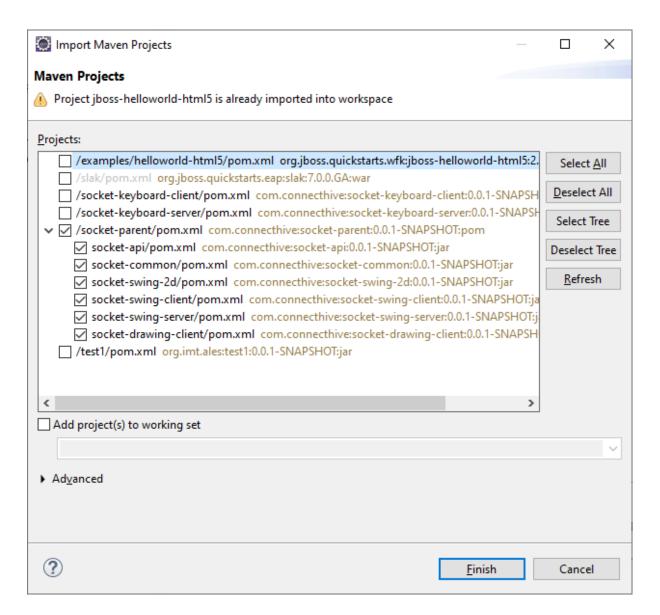


Figure 2: importer les projets

```
🖫 JVM Explo... 🚦 Package E... 💢 🖳 🗖
                                                                                                                     - -
                                       1⊖ kproject xmlns="http://maven.apache.org/POM/4.0.0"
                       xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
> | slak [cs_2020 master]
                                               xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apach
> socket-api [cs_2020 master]
                                               <modelVersion>4.0.0</modelVersion>
> socket-common [cs_2020 master]
                                               <groupId>com.connecthive</groupId>
                                               <artifactId>socket-parent</artifactId>
> socket-drawing-client [cs_2020 master]
                                               <packaging>pom</packaging>

▼ bocket-parent [cs_2020 master]

                                        8
                                               <version>0.0.1-SNAPSHOT</version>
  > 🗁 socket-api
                                        9
                                               <name>socket labs</name>
  > 済 socket-common
                                               <url>http://maven.apache.org</url>
                                       10
  > 済 socket-drawing-client
                                       110
                                               properties>
  > 済 socket-simple-servers
                                       12
                                                   .
<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
                                       13
                                                   <maven.compiler.source>1.8</maven.compiler.source>
  > 🔓 socket-swing-2d
                                       14
                                                   <maven.compiler.target>1.8</maven.compiler.target>
  > 済 socket-swing-client
                                                   <junit.version>5.3.1</junit.version>
                                       15
  > 済 socket-swing-server
                                       16
                                               </properties>
    mvnw
                                       17
    mvnw.cmd
                                       18
                                       19⊝
                                               <modules>
    pom.xml
                                       20
                                                   <module>socket-api</module>
    README.md
                                                   <module>socket-common</module>
                                       21
> socket-swing-2d [cs_2020 master]
                                       22
                                                   <module>socket-swing-2d</module>
> socket-swing-client [cs_2020 master]
                                       23
                                                   <module>socket-swing-client</module>
                                       24
                                                   <module>socket-swing-server</module>
> socket-swing-server [cs_2020 master]
                                       25
                                                   <module>socket-drawing-client</module>
                                       26
                                               </modules>
                                       27
                                       28
                                       29
                                       30⊝
                                               <build>
                                       31⊖
                                                   <plugins>
                                                       <plugin>
                                       32⊕
                                                           <groupId>org.apache.maven.plugins
                                       33
                                       34
                                                           <artifactId>maven-dependency-plugin</artifactId>
                                       35
                                                           <version>3.1.1
                                       36
                                                       </plugin>
                                                   </plugins>
                                       37
                                       38
                                               </build>
                                       39
                                       40
                                       41
                                           </project>
                                       42
                                                                                     📃 socket-parent (pfist 🛭
Microsoft Windows [version 10.0.19041.685]
```

Figure 3: build avec maven

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C:\Users\pfister\git\cs\_2020\socket-parent>mvn clean install

```
| INFO | MEIA-INF/MANIFESI.MF already added, skipping
[INFO] META-INF/maven/ already added, skipping
[INFO] META-INF/maven/com.connecthive/ already added, skipping
[INFO]
[INFO] --- maven-install-plugin:2.4:install (default-install) @ socket-drawing-client ---
[INFO] Installing C:\Users\pfister\git\cs 2020\socket-parent\socket-drawing-client\target
r to C:\Users\pfister\.m2\repository\com\connecthive\socket-drawing-client\0.0.1-SNAPSHOT
0.0.1-SNAPSHOT.jar
[INFO] Installing C:\Users\pfister\git\cs 2020\socket-parent\socket-drawing-client\pom.xm
m2\repository\com\connecthive\socket-drawing-client\0.0.1-SNAPSHOT\socket-drawing-client-
[INFO] Installing C:\Users\pfister\git\cs 2020\socket-parent\socket-drawing-client\target
r-with-dependencies.jar to C:\Users\pfister\.m2\repository\com\connecthive\socket-drawing
socket-drawing-client-0.0.1-SNAPSHOT-jar-with-dependencies.jar
[INFO] --- maven-antrun-plugin:1.3:run (copy-commands) @ socket-drawing-client ---
[INFO] Executing tasks
   [copy] Copying 2 files to C:\Users\pfister\git\cs_2020\socket-parent\socket-drawing-
[INFO] Executed tasks
[INFO] -----
[INFO] Reactor Summary for socket labs 0.0.1-SNAPSHOT:
[INFO]
0.676 s]
2.667 s]
[INFO] ------
[INFO] BUILD SUCCESS
[INFO] ------
[INFO] Total time: 8.879 s
[INFO] Finished at: 2020-12-18T15:49:13+01:00
[INFO] ------
```

C:\Users\pfister\git\cs\_2020\socket-parent>

Figure 4: build ok

```
'void main' - 13 matches in workspace (*java)

▼ Language Socket-drawing-client [cs_2020 master]

  🗸 🗁 src
     🗸 🗁 main
        🗸 🗁 java
           🗸 🗁 client
              MClientRunner.java
                   20: public static void main(String[] args) {
> 😽 socket-parent [cs_2020 master]
> Maj socket-swing-2d [cs_2020 master]
> Key socket-swing-client [cs_2020 master]

▼ William Socket-swing-server [cs_2020 master]

  🗸 🚰 src
     🗸 🗁 main
        🗸 🗁 java
           🗸 🗁 server
              MServerRunner.java
                   20: public static void main(String[] args) {
```

Figure 5: quels sont les exécutables ?

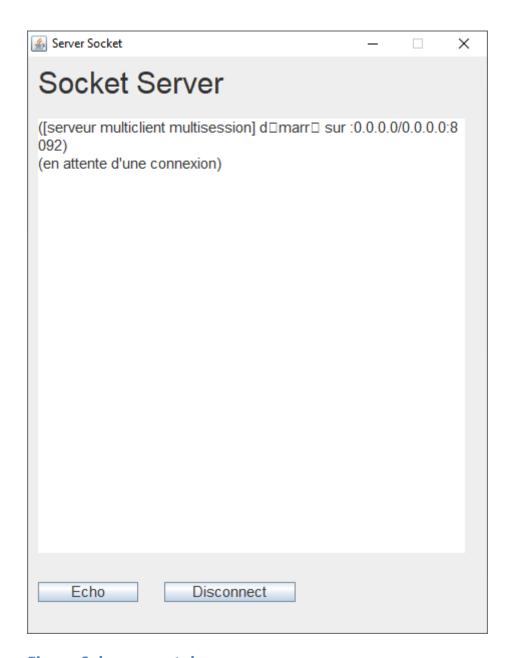


Figure 6: lancement du serveur

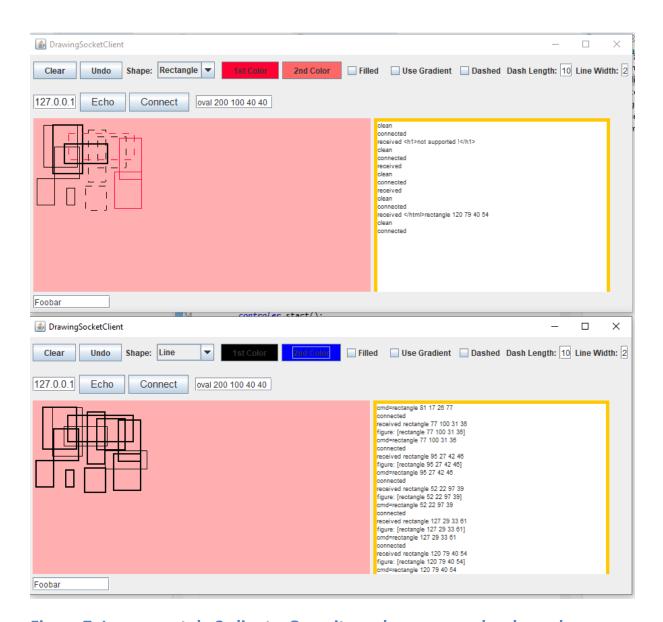


Figure 7: Lancement de 2 clients. On voit que les commandes de couleur ne sont pas propagées de client à client. Par contre le type de trait l'est. S'inspirer de la commande de trait pour implémenter la commande de couleur.