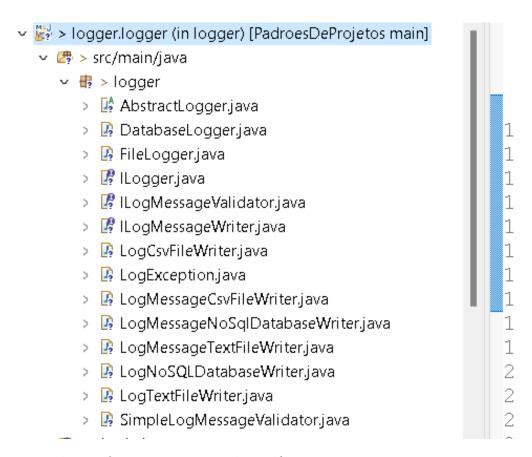
Nome: Lucas Ertel Soares RA: 2096960

Link projeto Git

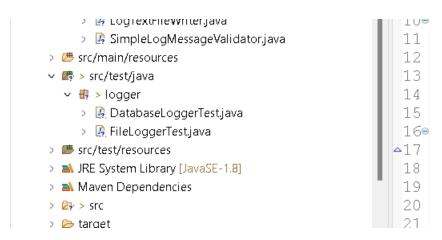
Criação dos pacotes necessários



Criação da interface para gerenciar dependência

```
□ □ • Breakpoin
Padrões de Projeto/logger/pom.xml 🗓 FileLoggerTest.java 🗓 AbstractLogger.java 🗵
   1 package logger;
   3 public abstract class AbstractLogger implements ILogger
        private ILogMessageValidator messageValidator = null;
        private ILogMessageWriter messageWriter = null;
   8
   9
  10⊖
        public AbstractLogger(ILogMessageValidator msgValidator, I)
  11
  12
              this.messageValidator = msgValidator;
  13
              this.messageWriter = messageWriter;
  14
  15
  169
        @Override
        public final void log(String logMessage) throws LogExceptic
 △17
  18
           messageValidator.valitade(logMessage);
  19
             messageWriter.write(logMessage);
  20
  21
22
  23 }
  24
```

Criacao dos testes



Ok classe database teste

```
🌣 Debug 💪 Project Explorer 🚜 Servers 🚜 Unit × 💮 🗖 🔛 Padrões de Projeto/lo... 🛽 FileLoggerTestjava 🔟 AbstractLoggerjava 🔟 DatabaseLoggerTestjava × 💆 🗖 🖠 Br
                  1 :age logger;
Finished after 0,077 seconds
                                         3⊕rt static org.junit.jupiter.api.Assertions.*;□
Runs: 2/2
            ■ Errors: 0
                         ■ Failures: 0
                                         7 :s DatabaseLoggerTest
> 🛅 DatabaseLoggerTest [Runner: JUnit 5] (0,013 s)
                                         9⊖ @Test
                                         0 void ShouldNotThrow()
                                               ILogger logger = (ILogger) new DatabaseLogger();
                                         4 String logMessage = "Login a first message";
                                         6 assertDoesNotThrow(()->logger.log(logMessage));
                                 显译智
■ Failure Trace
                                        19⊖ @Test
                                        20 void ShouldThrow()
                                               ILogger logger = new FileLogger();
                                        23
                                               final String nullMessage= null;
                                        24
                                        25 assertThrows(LogException.class, ()->logger.log(nullMessage));
```

Ok classe file log teste

```
🏇 Debug 웥 Project Explorer 🚜 Servers 🗗 JUnit 🗴
                                         □ □ Padrões de Projeto/lo... □ FileLoggerTestjava × □ AbstractLoggerjava □ DatabaseLoggerTestjava □ □ ● Breakpoints × □
                     1 package logger;
Finished after 0,081 seconds
                                                  3⊕ import static org.junit.jupiter.api.Assertions.*; [
Runs: 2/2
              Errors: 0
                              ■ Failures: 0
                                                    class FileLoggerTest
> 🛅 FileLoggerTest [Runner: JUnit 5] (0,014 s)
                                                         @Test
                                                         void ShouldNotThrow()
                                                             ILogger fileLogger = new FileLogger();
                                                         final String logMessage = "Login a first message";
                                                         assertDoesNotThrow(()->fileLogger.log(logMessage));
                                        Failure Trace
                                                         @Test
void ShouldThrow()
                                                 19⊜
                                                20
21
22
23
24
25
26
                                                              ILogger logger = new FileLogger();
                                                         final String nullMessage= null;
assertThrows(LogException.class, ()->logger.log(nullMessage)
```