



# Software Engineering II

Student:

Jeremy Martinez

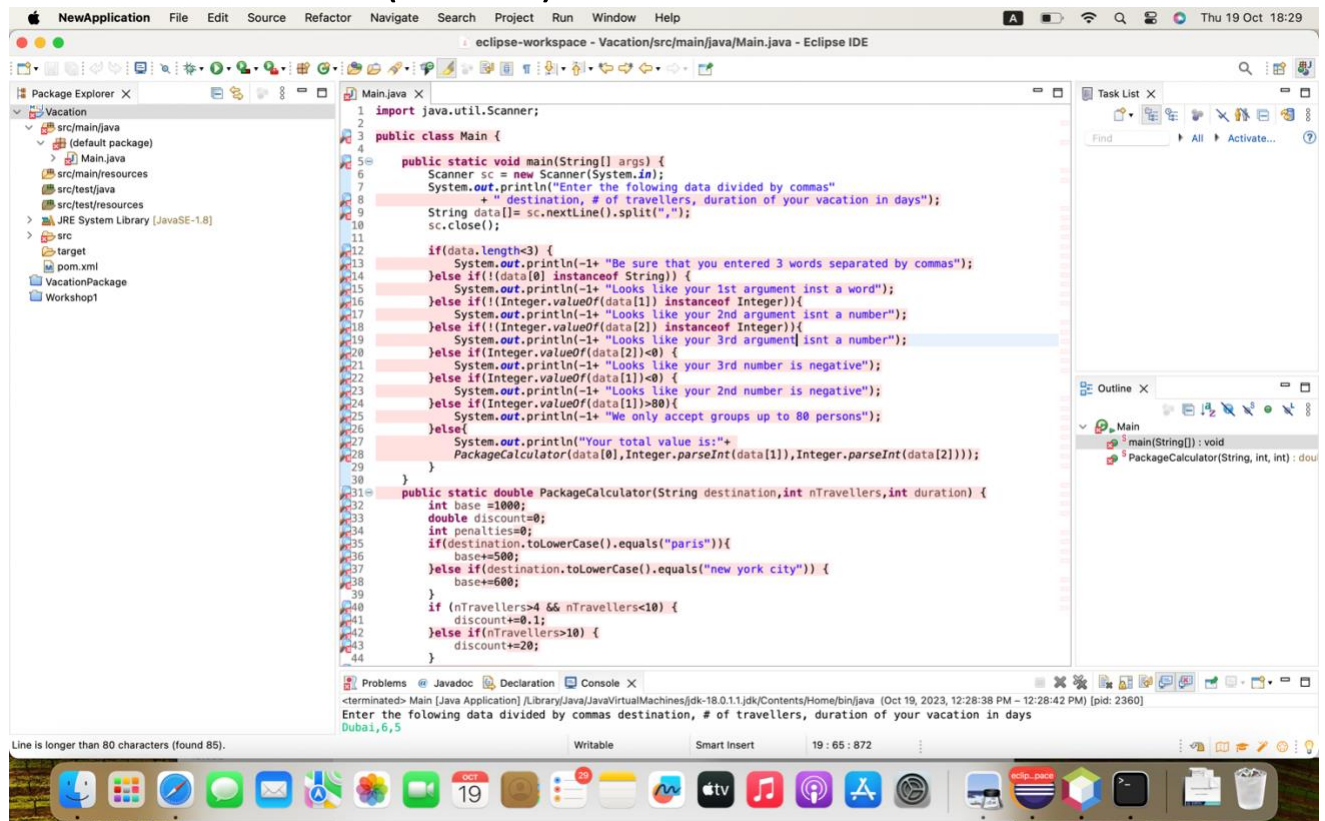
Teacher:

Mercedes Mawyin

Workshop:

Coding standards

# Code with errors (before):

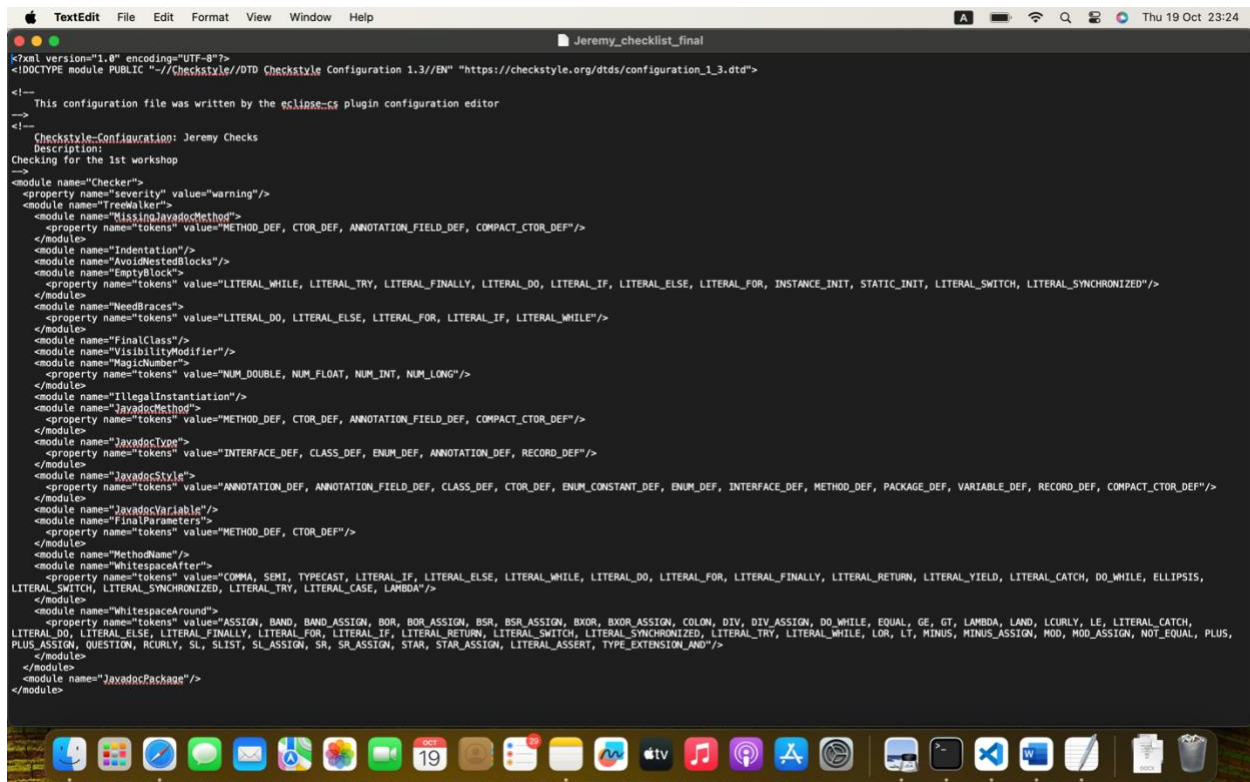


## Report1:

[illegible]



# Xml file used for checklist:



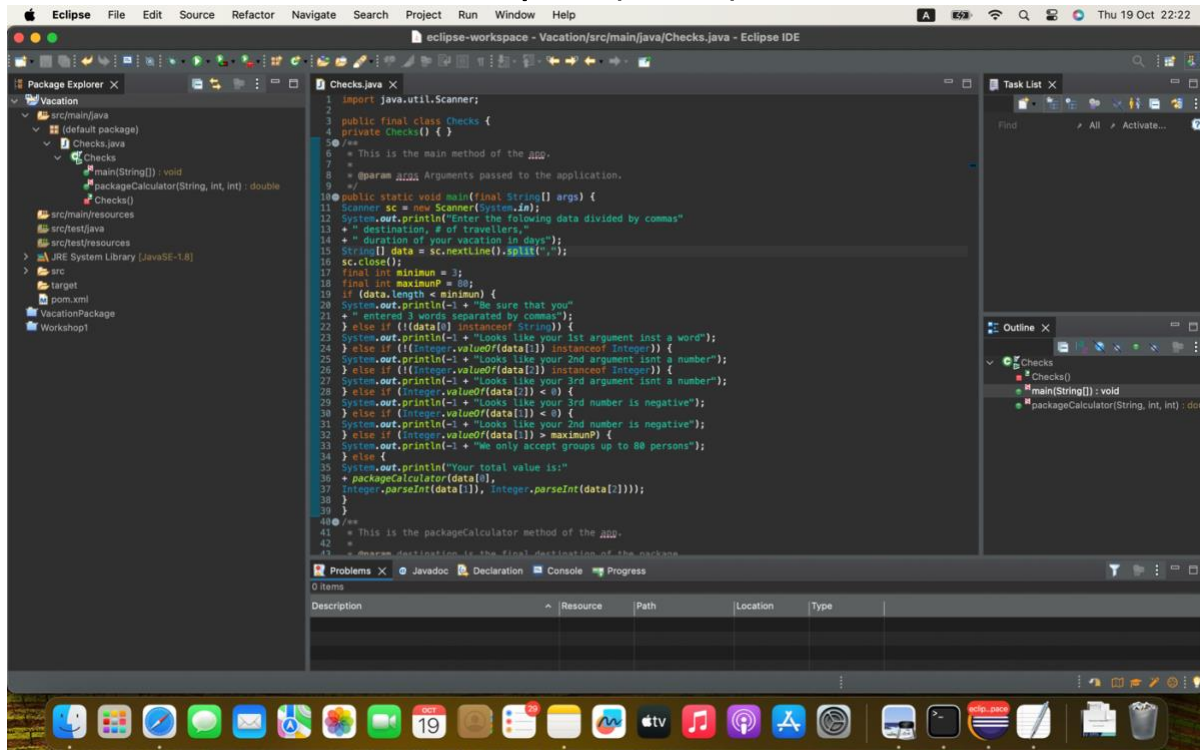
```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE module PUBLIC "-//Checkstyle//DTD Checkstyle Configuration 1.3/EN" "https://checkstyle.org/dtds/configuration_1_3.dtd">

<!--
    This configuration file was written by the eclipse-cs plugin configuration editor
-->

<!--
    Checkstyle-Configuration: Jeremy Checks
    Description:
    Checking for the 1st workshop
-->

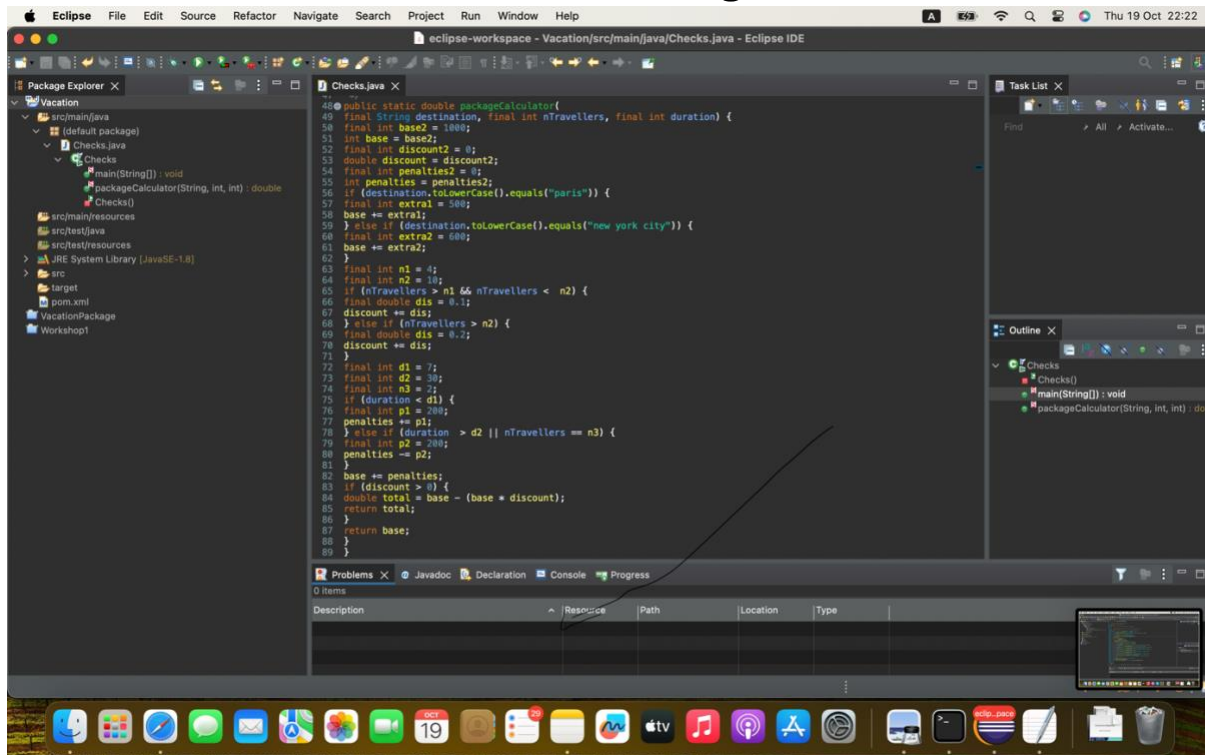
<module name="Checker">
    <property name="severity" value="warning"/>
    <module name="TreeWalker">
        <module name="MissingJavadocMethod">
            <property name="tokens" value="METHOD_DEF, CTOR_DEF, ANNOTATION_FIELD_DEF, COMPACT_CTOR_DEF"/>
        </module>
        <module name="Indentation">
            <module name="AvoidNestedBlocks"/>
            <module name="EmptyBlock">
                <property name="tokens" value="LITERAL_WHILE, LITERAL_TRY, LITERAL_FINALLY, LITERAL_DO, LITERAL_IF, LITERAL_ELSE, LITERAL_FOR, INSTANCE_INIT, STATIC_INIT, LITERAL_SWITCH, LITERAL_SYNCHRONIZED"/>
            </module>
            <module name="NeedBraces">
                <property name="tokens" value="LITERAL_DO, LITERAL_ELSE, LITERAL_FOR, LITERAL_IF, LITERAL_WHILE"/>
            </module>
            <module name="FinalClass"/>
            <module name="VisibilityModifier"/>
            <module name="MagicNumber">
                <property name="tokens" value="NUM_DOUBLE, NUM_FLOAT, NUM_INT, NUM_LONG"/>
            </module>
            <module name="IllegalInstantiation">
                <property name="tokens" value="METHOD_DEF, CTOR_DEF, ANNOTATION_FIELD_DEF, COMPACT_CTOR_DEF"/>
            </module>
            <module name="JavadocType">
                <property name="tokens" value="INTERFACE_DEF, CLASS_DEF, ENUM_DEF, ANNOTATION_DEF, RECORD_DEF"/>
            </module>
            <module name="JavadocStyle">
                <property name="tokens" value="ANNOTATION_DEF, ANNOTATION_FIELD_DEF, CLASS_DEF, CTOR_DEF, ENUM_CONSTANT_DEF, ENUM_DEF, INTERFACE_DEF, METHOD_DEF, PACKAGE_DEF, VARIABLE_DEF, RECORD_DEF, COMPACT_CTOR_DEF"/>
            </module>
            <module name="JavadocVariable">
                <module name="FinalParameters">
                    <property name="tokens" value="METHOD_DEF, CTOR_DEF"/>
                </module>
            </module>
            <module name="MethodName">
                <module name="WhitespaceAfter">
                    <property name="tokens" value="COMMA, SEMI, TYPECAST, LITERAL_IF, LITERAL_ELSE, LITERAL_WHILE, LITERAL_DO, LITERAL_FOR, LITERAL_FINALLY, LITERAL_RETURN, LITERAL_YIELD, LITERAL_CATCH, DO_WHILE, ELLIPSIS, LITERAL_SWITCH, LITERAL_SYNCHRONIZED, LITERAL_TRY, LITERAL_CASE, LAMBDA"/>
                </module>
            </module>
            <module name="WhitespaceAround">
                <property name="tokens" value="ASSIGN, BAND, BAND_ASSIGN, BOR, BOR_ASSIGN, BSR, BSR_ASSIGN, BXOR, BXOR_ASSIGN, COLON, DIV, DIV_ASSIGN, DO_WHILE, EQUAL, GE, GT, LAMBDA, LAND, LCURLY, LE, LITERAL_CATCH, LITERAL_DO, LITERAL_ELSE, LITERAL_FINALLY, LITERAL_FOR, LITERAL_IF, LITERAL_RETURN, LITERAL_SWITCH, LITERAL_SYNCHRONIZED, LITERAL_TRY, LITERAL_WHILE, LOR, LT, MINUS, MINUS_ASSIGN, MOD, MOD_ASSIGN, NOT_EQUAL, PLUS, PLUS_ASSIGN, QUESTION, RCURLY, SL, SLIST, SL_ASSIGN, SR, SR_ASSIGN, STAR, STAR_ASSIGN, LITERAL_ASSERT, TYPE_EXTENSION_AND"/>
            </module>
            <module name="JavadocPackage">
            </module>
        </module>
    </module>
```

# Code without errors 1<sup>st</sup> part(after):



```
1 import java.util.Scanner;
2
3 public final class Checks {
4     private Checks() {}
5
6     /**
7      * This is the main method of the app.
8      * @param args Arguments passed to the application.
9      */
10    public static void main(final String[] args) {
11        Scanner sc = new Scanner(System.in);
12        System.out.println("Enter the following data divided by commas");
13        // destination, # of travellers,
14        // duration of your vacation in days");
15        String[] data = sc.nextLine().split(",");
16        sc.close();
17
18        final int minimum = 3;
19        final int maximum = 80;
20        if (data.length < minimum) {
21            System.out.println(-1 + "Be sure that you"
22                + " entered 3 words separated by commas");
23        } else if (!data[0].instanceof String) {
24            System.out.println(-1 + "Looks like your 1st argument isnt a word");
25        } else if (!Integer.valueOf(data[1]).instanceof Integer) {
26            System.out.println(-1 + "Looks like your 2nd argument isnt a number");
27        } else if (!Integer.valueOf(data[2]).instanceof Integer) {
28            System.out.println(-1 + "Looks like your 3rd argument isnt a number");
29        } else if (Integer.valueOf(data[1]) < 0) {
30            System.out.println(-1 + "Looks like your 3rd number is negative");
31        } else if (Integer.valueOf(data[2]) < 0) {
32            System.out.println(-1 + "Looks like your 2nd number is negative");
33        } else if (Integer.valueOf(data[1]) > maximum) {
34            System.out.println(-1 + "We only accept groups up to 80 persons");
35        } else {
36            System.out.println("Your total value is:");
37            packageCalculator(data[0], Integer.parseInt(data[1]), Integer.parseInt(data[2]));
38        }
39    }
40
41    /**
42     * This is the packageCalculator method of the app.
43     * @param destination is the final destination of the package
44     */
45    packageCalculator(String destination, int travellers, int duration) {
46        // ...
47    }
48 }
```

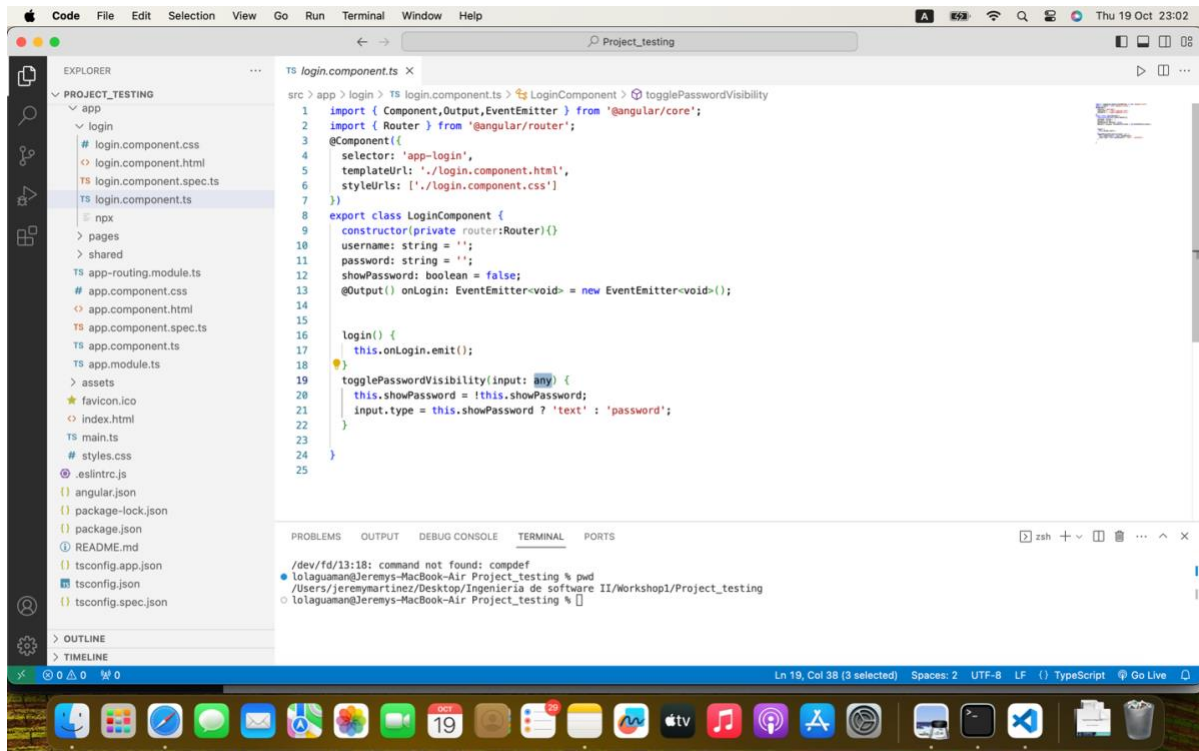
Code without errors 2<sup>nd</sup> part – There is no report2 because there is no error/warning



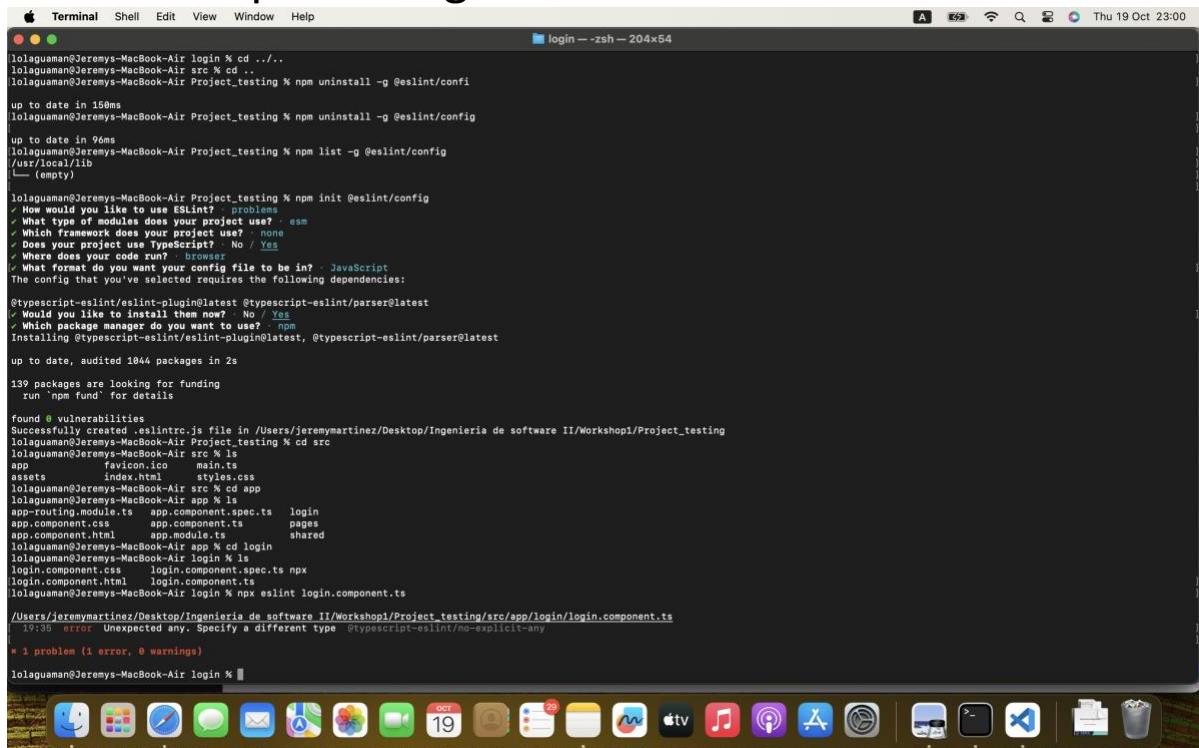


# Challenge:

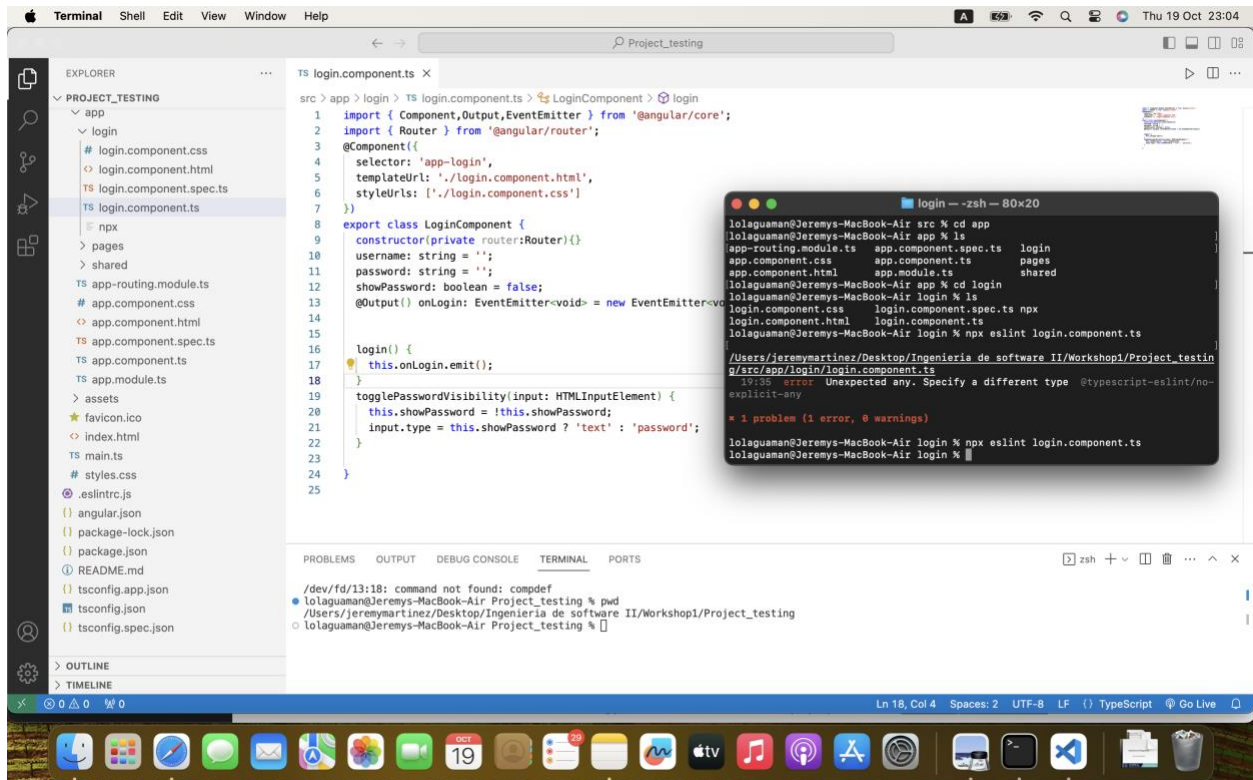
## Source code:



## Terminal report using ESLint:



Corrected code and no error report shows up from the terminal:



This lab was performed on the following url:

<https://github.com/jeremymartinez01/Workshop1>