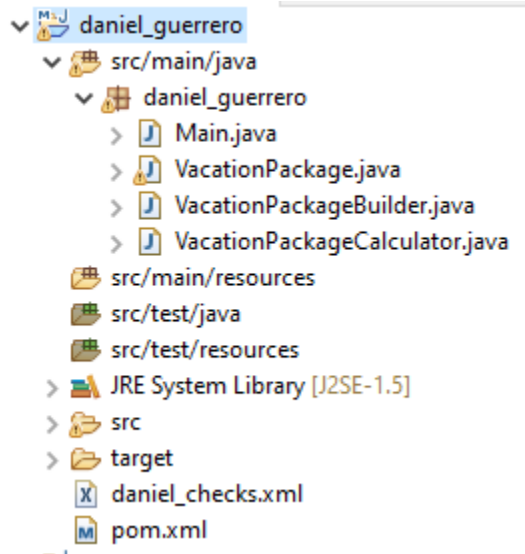


## Lab Report #01

### First:

The Maven project was created and the classes for the right functionality of the program was encoded.



The program works with a builder design pattern that creates the vacation package and have a list of cities that could be recognize when the user input information.

Then configurated the check configuration, setting this as a Sun Checks and create a Checkstyle document that returns an XML file. Add 3 modules and 1 header, like the following.

```
D: > ProyectosEclipse > daniel_guerrero > <> daniel_checks.xml
1  <?xml version="1.0" encoding="UTF-8"?>
2  <!DOCTYPE module PUBLIC
3  "-//Checkstyle//DTD Checkstyle Configuration 1.3//EN"
4  "https://checkstyle.org/dtds/configuration_1_3.dtd">
5  <module name="Checker">
6
7      <module name="Header">
8          <property name="header" value="// Copyright (C) 2020\n// All rights reserved"/>
9      </module>
10
11     <module name="TreeWalker">
12         <module name="LocalVariableName">
13             <property name="format" value="^[a-z](? [a-zA-Z0-9]+)*$" />
14         </module>
15         <module name="MissingJavadocMethod ">
16             <property name="scope" value="private"/>
17             <property name="allowMissingPropertyJavadoc" value="true" />
18         </module>
19         <module name="JavadocType">
20             <property name="authorFormat" value="\S" />
21         </module>
22     </module>
23 </module>
```

## Second:

Add a suppressing checkstyle test with the module SuppressionCommentFilter on Main.

```
14      //CHECKSTYLE: OFF
15      public static void main(String[] args) {
16      //CHECKSTYLE: ON
```

## Third:

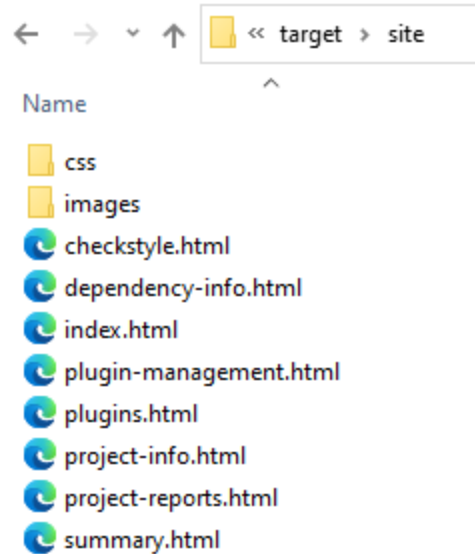
Add checkstyle with Maven adding some plugins on the pom.xml



```
1 <project xmlns="http://maven.apache.org/POM/4.0.0"
2   xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
3   xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
4   <modelVersion>4.0.0</modelVersion>
5   <groupId>com.espol.edu</groupId>
6   <artifactId>daniel_guerrero</artifactId>
7   <version>0.0.1-SNAPSHOT</version>
8   <build>
9     <plugins>
10      <plugin>
11        <groupId>org.apache.maven.plugins</groupId>
12        <artifactId>maven-site-plugin</artifactId>
13        <version>3.7.1</version>
14      </plugin>
15      <plugin>
16        <groupId>org.apache.maven.plugins</groupId>
17        <artifactId>maven-project-info-reports-plugin</artifactId>
18        <version>3.0.0</version>
19      </plugin>
20    </plugins>
21  </build>
22  <reporting>
23    <plugins>
24      <plugin>
25        <artifactId>maven-checkstyle-plugin</artifactId>
26        <configuration>
27          <configLocation>daniel_checks.xml</configLocation>
28        </configuration>
29      </plugin>
30    </plugins>
31  </reporting>
32
33 </project>
```

Then run the project as “Maven build...” and sett value site on Goals input.

Check for the html documents created on the target folder/ site folder.



Open index.html and search for the checkstyle results.

## daniel\_guerrero

Project Documentation

Project Information

Project Reports

Checkstyle

Built by:

Last Published: 2023-05-31 | Version: 0.0.1-SNAPSHOT

daniel\_guerrero

### Checkstyle Results

The following document contains the results of Checkstyle 9.3 with daniel\_checks.xml ruleset.

#### Summary

Files	src="images/icon_info_sml.gif" Info	src="images/icon_warning_sml.gif" Warnings	src="images/icon_error_sml.gif" Errors
4	0	0	12

#### Files

File	src="images/icon_info_sml.gif" I	src="images/icon_warning_sml.gif" W	src="images/icon_error_sml.gif" E
daniel_guerrero/Main.java	0	0	3
daniel_guerrero/VacationPackage.java	0	0	2
daniel_guerrero/VacationPackageBuilder.java	0	0	5
daniel_guerrero/VacationPackageCalculator.java	0	0	2

#### Rules

Category	Rule	Violations	Severity
header	<a href="#">Header</a> <ul style="list-style-type: none"><li>header</li><li>1: // Copyright (C) 2020</li><li>2: // All rights reserved</li></ul>	4	src="images/icon_error_sml.gif" Error
javadoc	<a href="#">MissingJavadocMethod</a> <ul style="list-style-type: none"><li>allowMissingPropertyJavadoc: "true"</li><li>scope: "private"</li></ul>	8	src="images/icon_error_sml.gif" Error

#### Details

### Fourth:

Add 6 more modules for add rules to be checked in the above code and build again to get the new results. Module `MethodName` and `WhitespaceAfter` are obligatory.



FileEditSourceRefactorNavigateSearchProjectRunWindowHelp

Package Explorer

daniel\_guerrero

src/main/java

daniel\_guerrero

Main.java

VacationPackage.java

VacationPackageBuilder.java

VacationPackageCalculator.java

src/main/resources

src/test/java

src/test/resources

JRE System Library [J2SE-1.5]

src

target

daniel\_checks.xml

pom.xml

robinson\_flores

daniel\_checks.xml

Main.java

VacationPackage.java

VacationPackageBuilder.java

VacationPackageCalculator.java

```
1 //Copyright (C) 2020
2 // All rights reserved
3 package daniel.guerrero;
4 public class VacationPackage {
5     private String destination;
6     private int numTravelers;
7     private int duration;
8 }
```

Problems

Javadoc

Declaration

Console

<terminated> daniel.guerrero (1) [Maven Build] C:\Users\Administrador\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86\_64.17.0.7.v20230425-1502

[WARNING] For this reason, future Maven versions might no longer support building such malformed projects.

[INFO] configuring report plugin org.apache.maven.plugins:maven-checkstyle-plugin:3.3.0

[INFO] 1 report detected for maven-checkstyle-plugin:3.3.0: checkstyle

[INFO] configuring report plugin org.apache.maven.plugins:maven-project-info-reports-plugin:3.0.0

[INFO] 15 reports detected for maven-project-info-reports-plugin:3.0.0: ci-management, dependencies, dependenc

[INFO] Rendering site with default locale English (en)

[WARNING] No project URL defined - decoration links will not be relativized!

[INFO] Rendering content with org.apache.maven.skins:maven-default-skin:jar:1.2 skin.

[INFO] Generating "Checkstyle" report --- maven-checkstyle-plugin:3.3.0:checkstyle

[INFO] There are 4 errors reported by Checkstyle 9.3 with daniel\_checks.xml ruleset.

[WARNING] Unable to locate Source XRef to link to - DISABLED

[WARNING] Unable to locate Test Source XRef to link to - DISABLED

[INFO] Generating "Dependency Information" report --- maven-project-info-reports-plugin:3.0.0:dependency-info

[INFO] Generating "About" report --- maven-project-info-reports-plugin:3.0.0:index

[INFO] Generating "Plugin Management" report --- maven-project-info-reports-plugin:3.0.0:plugin-management

[INFO] Generating "Plugins" report --- maven-project-info-reports-plugin:3.0.0:plugins

[INFO] Generating "Summary" report --- maven-project-info-reports-plugin:3.0.0:summary

[INFO] -----

[INFO] BUILD SUCCESS

[INFO] -----

[INFO] Total time: 9.679 s

[INFO] Finished at: 2023-05-31T23:21:04-05:00

[INFO] -----

daniel\_guerrero

Last Published: 2023-05-31 | Version: 0.0.1-SNAPSHOT daniel\_guerrero

Project Documentation

Project Information

Project Reports

Checkstyle

Built by

maven

Checkstyle Results

The following document contains the results of Checkstyle 9.3 with daniel\_checks.xml ruleset.

Summary

Files	src="images/icon_info_sml.gif" Info	src="images/icon_warning_sml.gif" Warnings	src="images/icon_error_sml.gif" Errors
4	0	0	0

Files

File	src="images/icon_info_sml.gif" I	src="images/icon_warning_sml.gif" W	src="images/icon_error_sml.gif" E
------	----------------------------------	-------------------------------------	-----------------------------------

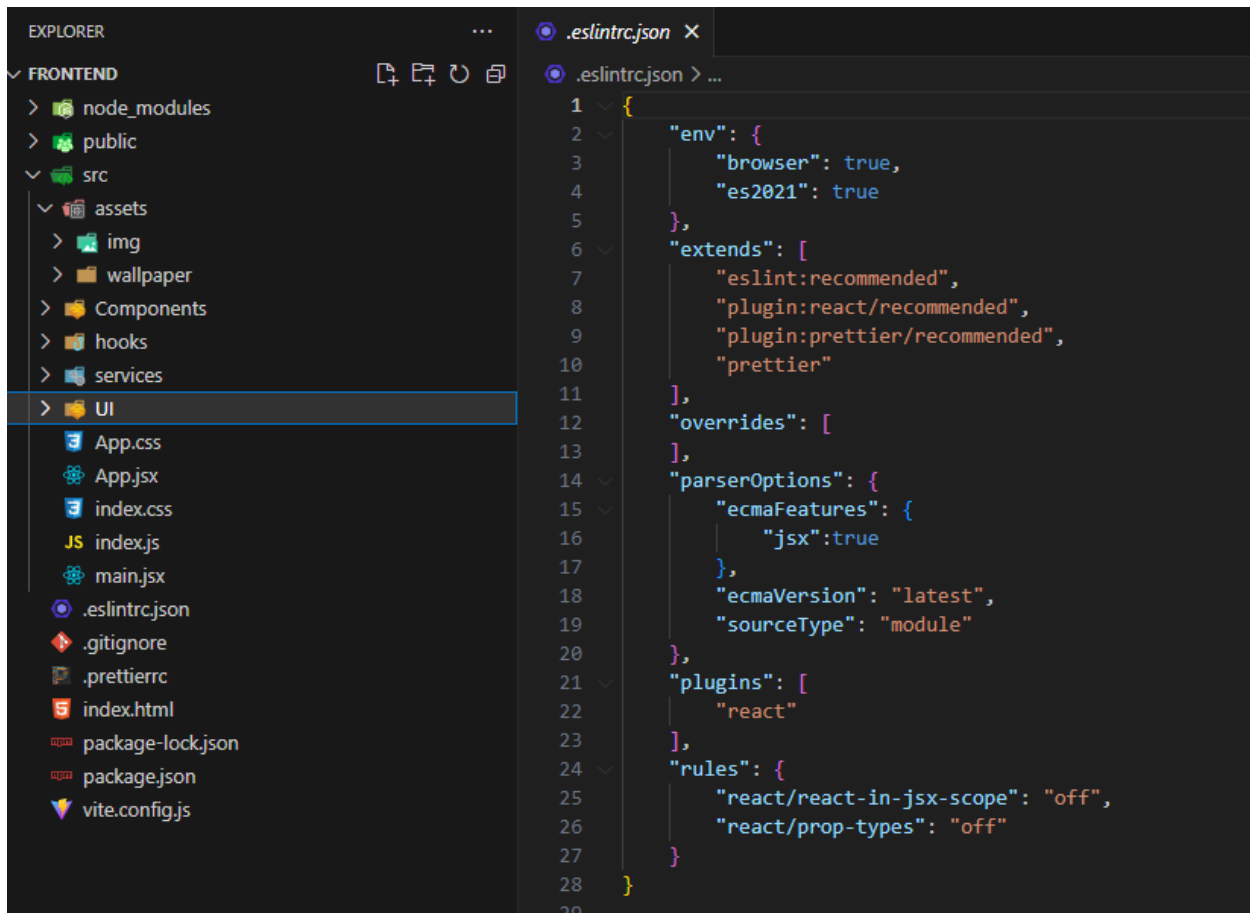
Rules

Category	Rule	Violations	Severity
----------	------	------------	----------

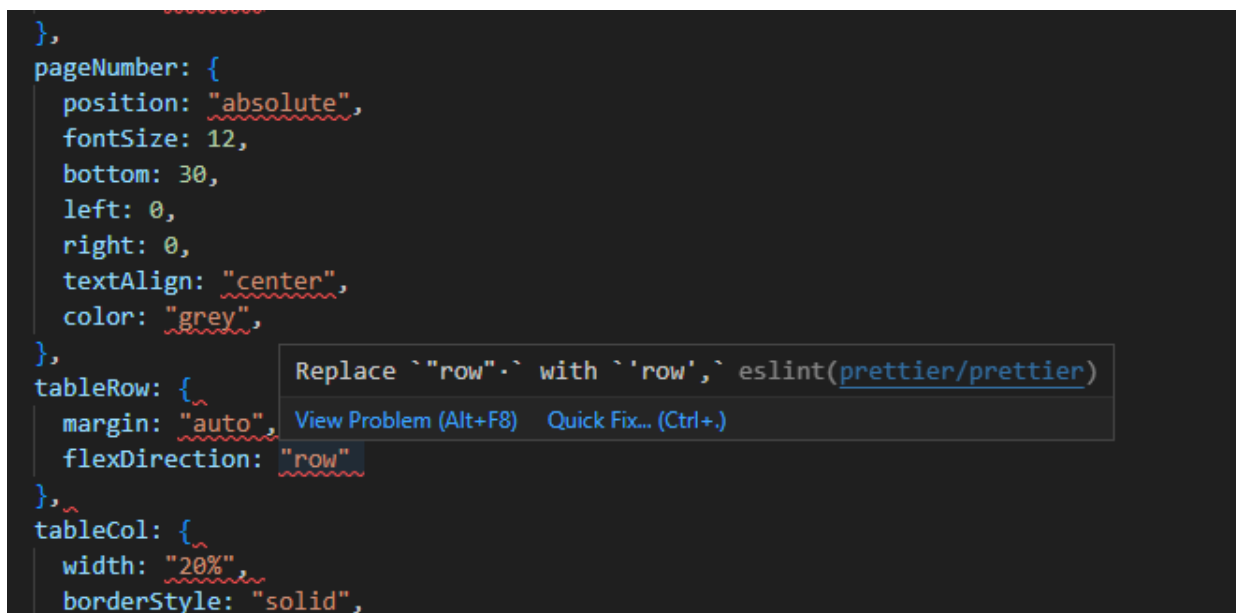
Details

## Challenge:

Download and configurate eslint for react projects.



See the eslint problems and fix it.



```
    textAlign: "center",
    color: "grey",
  },
  tableRow: {
    margin: "auto",
    flexDirection: 'row'
  },
  tableCol: {
    width: "20%",
```

Insert ` ` eslint([prettier/prettier](#))  
View Problem (Alt+F8) Quick Fix... (Ctrl+.)

```
    tableRow: {
      margin: "auto",
      flexDirection: 'row',
    },
    tableCol: {
```

```
table: {
  display: "table",
  width: "auto",
  borderStyle: "solid",
  borderWidth: 1,
  borderRightWidth: 0,
  borderBottomWidth: 0,
},
```

Delete ` ` eslint([prettier/prettier](#))  
View Problem (Alt+F8) Quick Fix... (Ctrl+.)

```
table: {
  display: 'table',
  width: 'auto',
  borderStyle: 'solid',
  borderWidth: 1,
  borderRightWidth: 0,
  borderBottomWidth: 0,
},
```

Cleaning code following the prettier rules form eslint.