Repository: <u>luislama/CodingStandardsSI2</u>

Open project with Checkstyle active - Sun Checks

```
Projects 🔀
                                                                                                                                                                                    E 8 - -
                                                                                                                                                                                                                                                                                                                                  8 - -
                                                                                                                                                                                                                                                                                                                                                                                S Types 

Typ
                                                                                                                                                                                                                                                  Packages 💢
   Mad > labcodingstandards [CodingStandardsSI2 master]
                                                                                                                                                                                                                                                                                                                                                                                Calculator
                     震 src/main/java
  🔝 Calculator.java 🔀
            9⊕ /**
        10 * @author Jose Escobar, Luis Lama
        11 * Created by Jose Escobar and published in
        12 * https://github.com/JoseAndresEscobar19/CodingStandardsSI2
        13
                            * Forked and modified by Luis Lama
        15 * in https://github.com/luislama/CodingStandardsSI2
        16
public class Calculator {
18
219⊝
                                                  public static void main(String[] args) {
```

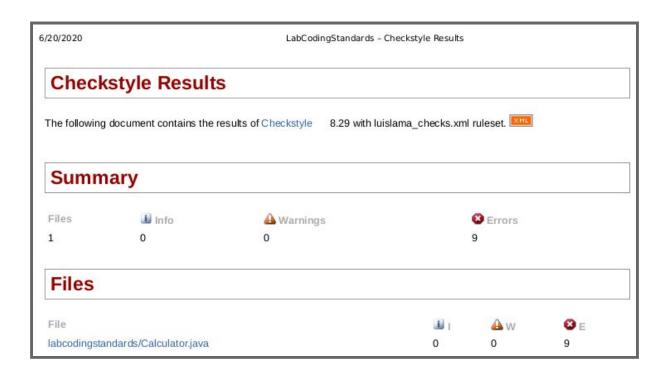
### Custom Checkstyle configuration - xml file

```
luislama_checks.xml
             Calculator.java
<?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">
<module name="Checker">
   <module name="Header">
     cproperty name="header" value="// Copyright (C) 2020\n// All rights reserved" />
   </module>
   <module name="TreeWalker">
      <module name="LocalVariableName">
         cproperty name="format" value="^[a-z]( ?[a-zA-Z0-9]+)*$" />
      </module>
      <module name="MissingJavadocMethod">
          cproperty name="scope" value="private" />
          property name="allowMissingPropertyJavadoc" value="true" />
      </module>
      <module name="JavadocType">
          cproperty name="authorFormat" value="\S" />
       </module>
 /module>
```

Build Maven with Checkstyle using custom configuration file

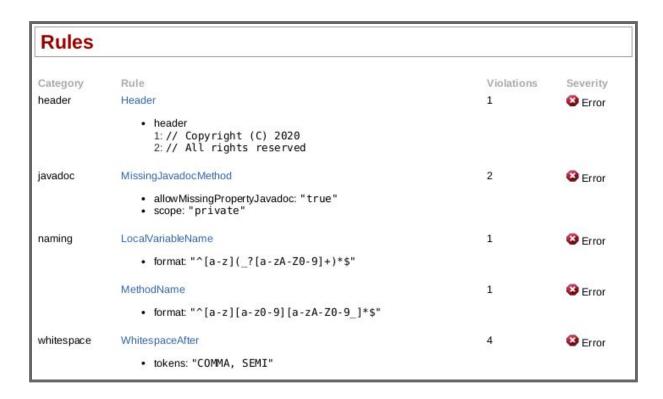
```
x luislama_checks.xml Mabcodingstandards/pom.xml
           <modetversion>4.0.0</modetversion>
          <groupId>com.espol.edu</groupId>
          <artifactId>labcodingstandards</artifactId>
 6 <artifactid>Labcodingstandards</art
7 <version>0.0.1-SNAPSHOT</version>
8 <name>LabCodingStandards</name>
9 <description>Lab Coding Standards, Sofware Engineering II by Luis Lama</description>
Overview Dependencies Dependency Hierarchy Effective POM pom.xml
<terminated> CodingStandardsSI2 (1) [Maven Build] /usr/lib/jvm/java-11-openjdk-amd64/bin/java (Jun 20, 2020, 3:17:10 PM)
[INFO] There are 9 errors reported by Checkstyle 8.29 with luislama checks.xml ruleset.
[WARNING] Unable to locate Source XRef to link to - DISABLED
[INFO] Generating "Dependency Information" report --- maven-project-info-reports-plugin:3.0.0 [INFO] Generating "About" report --- maven-project-info-reports-plugin:3.0.0:i [INFO] Generating "Plugin Management" report --- maven-project-info-reports-plugin:3.0.0:p [INFO] Generating "Plugins" report --- maven-project-info-reports-plugin:3.0.0:p --- maven-project-info-reports-plugin:3.0.0:s
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 5.281 s
[INFO] Finished at: 2020-06-20T15:17:17-05:00
```

### Report before Checkstyle Results



# Escuela Superior Politécnica del Litoral Se

# **Software Engineering 2**



## Report after Checkstyle Results

