

# **SOFTWARE ENGINEERING II**

## **CODING STANDARDS LAB**

**Date:** 19/06/2020

**Team:** W5

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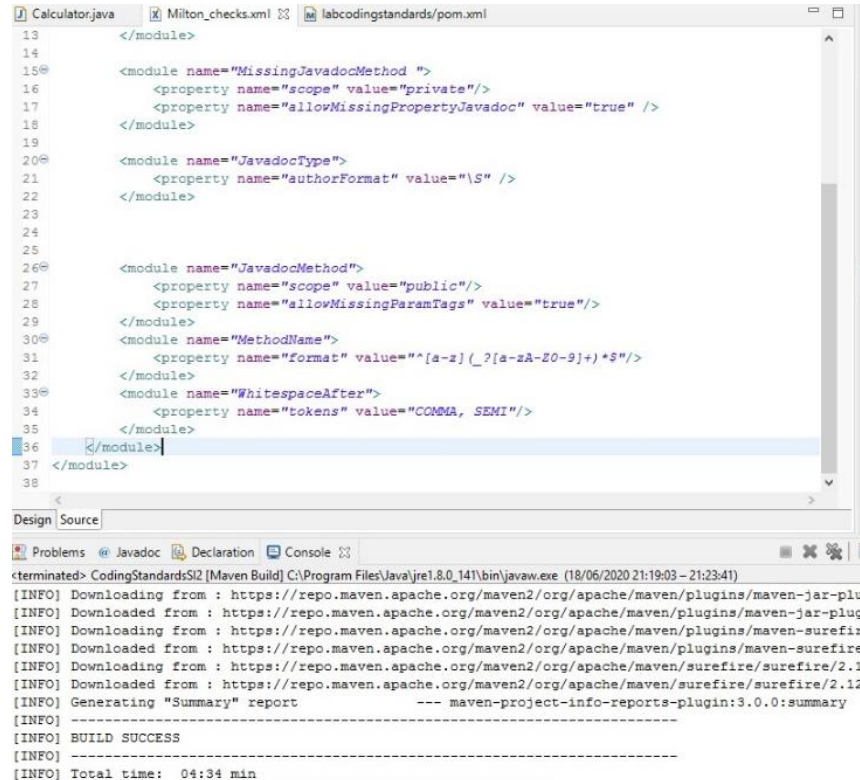
**2020 1S – P01**

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# 1.ScreenShots



```
13      </module>
14
15      <module name="MissingJavadocMethod">
16        <property name="scope" value="private"/>
17        <property name="allowMissingPropertyJavadoc" value="true" />
18      </module>
19
20      <module name="JavadocType">
21        <property name="authorFormat" value="\S" />
22      </module>
23
24
25
26      <module name="JavadocMethod">
27        <property name="scope" value="public"/>
28        <property name="allowMissingParamTags" value="true"/>
29      </module>
30      <module name="MethodName">
31        <property name="format" value="^[a-z](? [a-zA-Z0-9]+) *$"/>
32      </module>
33      <module name="WhitespaceAfter">
34        <property name="tokens" value="COMMA, SEMI"/>
35      </module>
36    </module>
37  </module>
38
```

Design Source

Problems Javadoc Declaration Console

terminated> CodingStandardsS12 [Maven Build] C:\Program Files\Java\jre1.8.0\_141\bin\javaw.exe (18/06/2020 21:19:03 - 21:23:41)

[INFO] Downloading from : https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-jar-plug

[INFO] Downloaded from : https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-jar-plug

[INFO] Downloading from : https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-surefire

[INFO] Downloaded from : https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-surefire

[INFO] Downloading from : https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire/2.12

[INFO] Downloaded from : https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire/2.12.

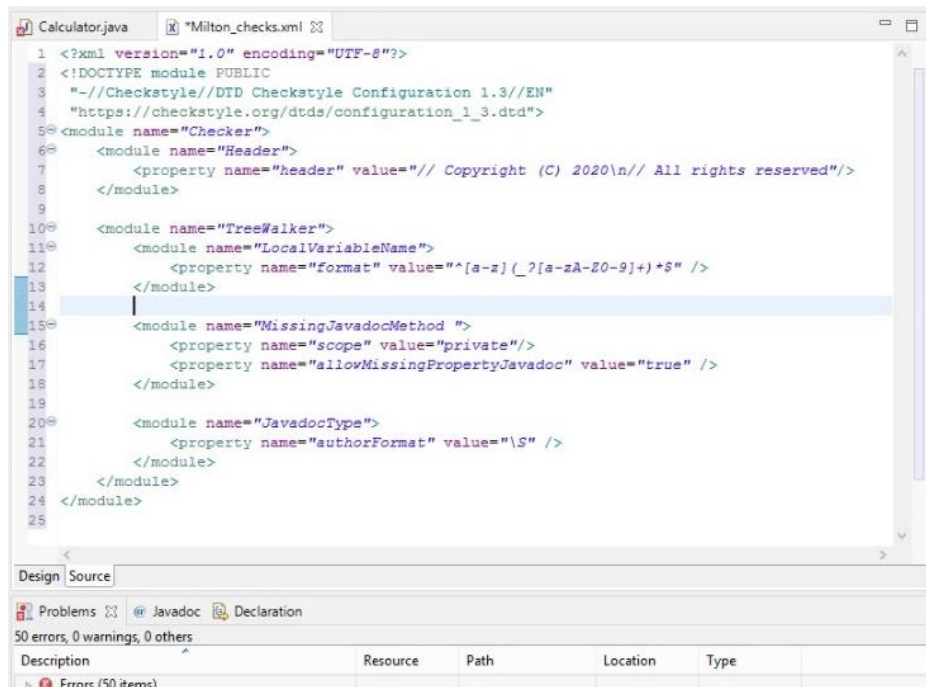
[INFO] Generating "Summary" report --- maven-project-info-reports-plugin:3.0.0:summary

[INFO] -----

[INFO] BUILD SUCCESS

[INFO] -----

[INFO] Total time: 04:34 min



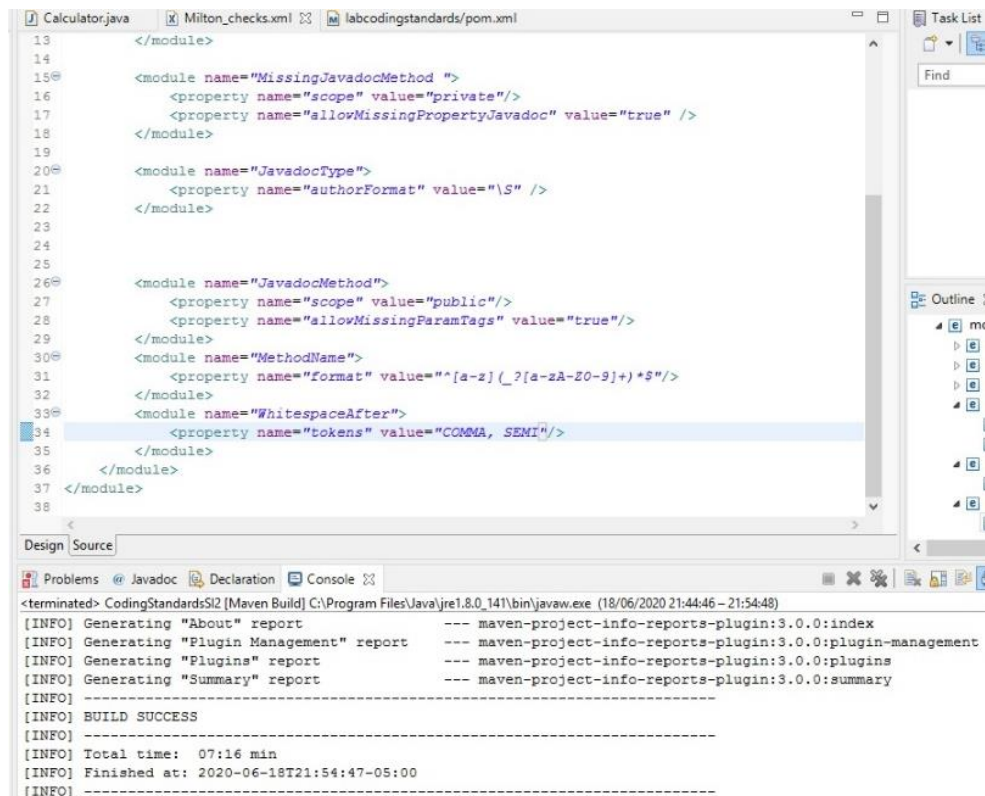
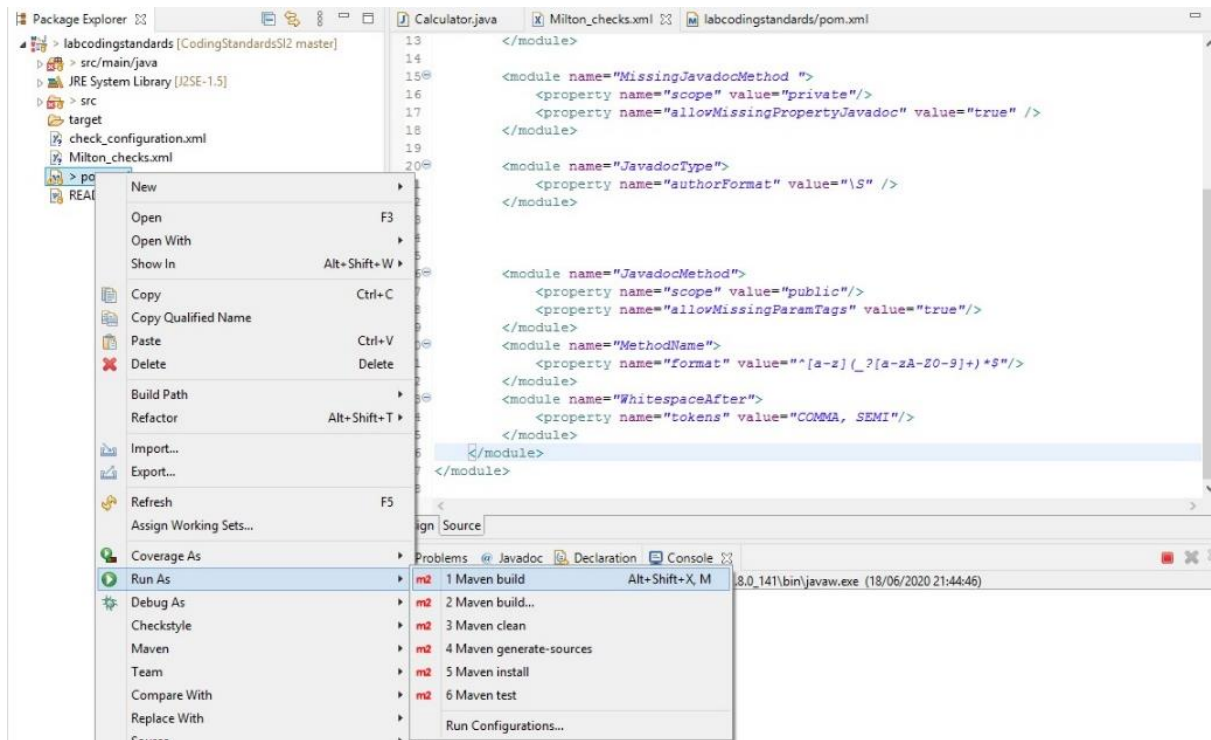
```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <!DOCTYPE module PUBLIC
3   "-//Checkstyle//DTD Checkstyle Configuration 1.3//EN"
4   "https://checkstyle.org/dtds/configuration_1_3.dtd">
5 <module name="Checker">
6   <module name="Header">
7     <property name="header" value="// Copyright (C) 2020\n// All rights reserved"/>
8   </module>
9
10  <module name="TreeWalker">
11    <module name="LocalVariableName">
12      <property name="format" value="^[a-z](? [a-zA-Z0-9]+) *$"/>
13    </module>
14
15    <module name="MissingJavadocMethod">
16      <property name="scope" value="private"/>
17      <property name="allowMissingPropertyJavadoc" value="true" />
18    </module>
19
20    <module name="JavadocType">
21      <property name="authorFormat" value="\S" />
22    </module>
23  </module>
24 </module>
25
```

Design Source

Problems Javadoc Declaration

50 errors, 0 warnings, 0 others

Description	Resource	Path	Location	Type
Errors (50 items)				



# CHECKSTYLES REPORTS

## LabCodingStandards

Project Documentation

Project Information

Project Reports

Checkstyle

Built by

maven

Checkstyle Results

The following document contains the results of Checkstyle 8.29 with Milton\_checks.xml ruleset.

### Summary

Files	Info	Warnings	Errors
1	0	0	10

### Files

File	I	W	E
labcodingstandards/Calculator.java	0	0	10

### Rules

Category	Rule	Violations	Severity
header	Header <ul style="list-style-type: none"><li>header1: // Copyright (C) 20202: // All rights reserved</li></ul>	1	Error
javadoc	JavadocType <ul style="list-style-type: none"><li>authorFormat: "\S"</li></ul>	1	Error
	MissingJavadocMethod <ul style="list-style-type: none"><li>allowMissingPropertyJavadoc: "true"scope: "private"</li></ul>	2	Error

03CodingStandardsLab.pdf	checkstyle - Checks	LabCodingStandards - Checksty	+
← → ↺	Archivo	C:/Users/Usuario/Downloads/INGENIERIA%20SOFTWARE%202/talleres/02/CodingStandardsSI2/target/site/checkstyle.html	🔍 ⭐ 🌑
javadoc	JavadocType <ul style="list-style-type: none"><li>authorFormat: "\S"</li></ul>	1	Error
	MissingJavadocMethod <ul style="list-style-type: none"><li>allowMissingPropertyJavadoc: "true"scope: "private"</li></ul>	2	Error
naming	LocalVariableName <ul style="list-style-type: none"><li>format: "[a-z](_[a-zA-Z0-9-9])+\$"</li></ul>	1	Error
	MethodName <ul style="list-style-type: none"><li>format: "[a-z](_[a-zA-Z0-9-9])+\$"</li></ul>	1	Error
whitespace	WhitespaceAfter <ul style="list-style-type: none"><li>tokens: "COMMA, SEMI"</li></ul>	4	Error

### Details

labcodingstandards/Calculator.java

Severity	Category	Rule	Message	Line
Error	header	Header	Line does not match expected header line of ' // Copyright (C) 2020'.	1
Error	javadoc	JavadocType	Type Javadoc comment is missing @author tag.	13
Error	javadoc	MissingJavadocMethod	Missing a Javadoc comment.	15
Error	naming	LocalVariableName	Name 'First' must match pattern '[a-z](_[a-zA-Z0-9-9])+\$'.	23
Error	whitespace	WhitespaceAfter	'.' is not followed by whitespace.	52
Error	whitespace	WhitespaceAfter	'.' is not followed by whitespace.	52
Error	javadoc	MissingJavadocMethod	Missing a Javadoc comment.	58
Error	naming	MethodName	Name 'Operation' must match pattern '[a-z](_[a-zA-Z0-9-9])+\$'.	58
Error	whitespace	WhitespaceAfter	'.' is not followed by whitespace.	58
Error	whitespace	WhitespaceAfter	'.' is not followed by whitespace.	58

## 2.Implementation

Next you can find the URL of our repository where we performed the lab:

- <https://github.com/zero780/CodingStandards/>