Comparisons for checkstyle before and after the updating of files.

Checkstyle Results

The following document contains the results of Checkstyle 8.29 with sun_checks.xml ruleset. XML

Summary

Files	Info	Warnings	Errors
35	0	0	440

Before

Built by Maven

Checkstyle Results

The following document contains the results of Checkstyle 8.29 with sun_checks.xml ruleset. XML

Summary

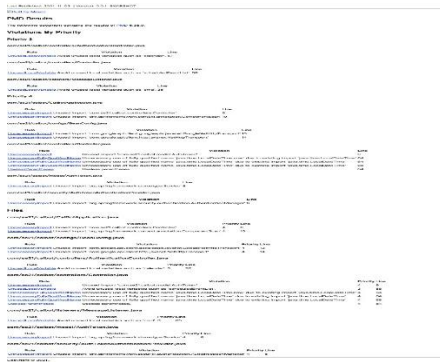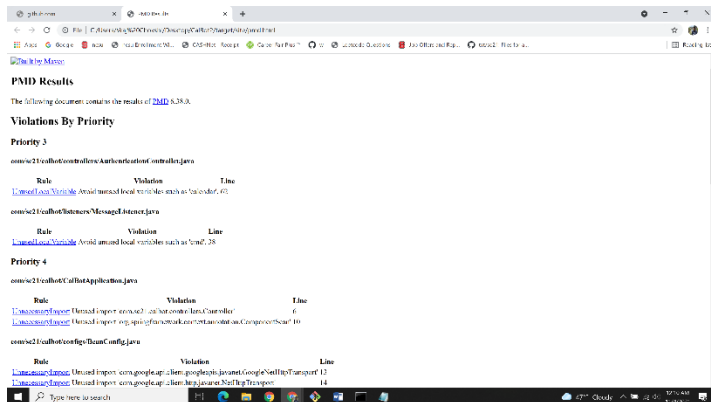| Files	Info	Warnings	Errors
35	0	0	404

Files

After

As seen, the number of errors have been reduced after we have updated the files. And we are still trying to reduce this numbers. Code from pom.xml.

```
220        </build>
221        <reporting>
222          <plugins>
223            <plugin>
224              <groupId>org.apache.maven.plugins</groupId>
225              <artifactId>maven-checkstyle-plugin</artifactId>
226              <version>3.1.2</version>
227              <reportSets>
228                <reportSet>
229                  <reports>
230                    <report>checkstyle</report>
231                  </reports>
232                </reportSet>
233              </reportSets>
234            </plugin>
235
```

Comparisons for Syntax checker before and after the updating of files.

Before

After

```xml
<plugin>
    <groupId>org.apache.maven.plugins</groupId>
    <artifactId>maven-pmd-plugin</artifactId>
    <version>3.15.0</version>
    <reportSets>
      <reportSet>
        <reports>
          <report>pmd</report>
        </reports>
      </reportSet>
    </reportSets>
  </plugin>
 </plugins>
```

Code Formatter.

```
[INFO] Total time:  5.245 s
[INFO] Finished at: 2021-11-04T00:07:35-04:00
[INFO] ------------------------------------------------------------------------

C:\Users\Vraj Chokshi\Desktop\CalBot2>mvn formatter:validate
[INFO] Scanning for projects...
[INFO]
[INFO] ------------------------< com.se21:CalBot >------------------------
[INFO] Building CalBot 0.0.1-SNAPSHOT
[INFO] ------------------------------[ jar ]---------------------------------
[INFO]
[INFO] --- formatter-maven-plugin:2.17.0:validate (default-cli) @ CalBot ---
[INFO] Processed 42 files in 529ms (Formatted: 0, Unchanged: 42, Failed: 0, Readonly: 0)
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  1.348 s
[INFO] Finished at: 2021-11-04T01:02:12-04:00
[INFO] ------------------------------------------------------------------------

C:\Users\Vraj Chokshi\Desktop\CalBot2>
```

Code Snapshot in pom.xml

```
8                              <goal>report</goal>
9                            </goals>
0                          </execution>
1                        </executions>
2                    </plugin>
3                    <plugin>
4            <groupId>net.revelc.code.formatter</groupId>
5            <artifactId>formatter-maven-plugin</artifactId>
6            <version>2.17.0</version>
7        </plugin>
8            </plugins>
```