## LAB REPORT SCREENSHOTS

## Screenshot 1: Errores Reportados por la herramienta "SonarQube"

```
n.java > ધ student > ᢒ student(String, String)
import java.util.*;
        class student {
            String id;
            String name;
            List gradez;
            String pass = "unknown";
            boolean honor;
            public student(String i, String n) {
                 gradez = new ArrayList();
            public void AddG(Object g) {
           gradez.add(g);
}
            public double average() {
             double total = 0;
                for (Object g : gradez) {
PROBLEMS 18 OUTPUT DEBUG CONSOLE TERMINAL PORTS
∨ J Main.java 18
    ⊗ The operator += is undefined for the argument type(s) double, Object Java(536871072) [Ln 23, Col 13]

    ⊗ Type mismatch: cannot convert from String to boolean Java(16777233) [Ln 30, Col 21]
    ⊗ avg cannot be resolved to a variable Java(33554515) [Ln 42, Col 42]

    🔞 honorRoll cannot be resolved to a variable Java(33554515) [Ln 43, Col 45]
    ⚠ Move this file to a named package. sonarqube(java:S1220) [Ln 1, Col 1]
    ⚠ Rename this class name to match the regular expression '^[A-Z][a-zA-Z0-9]*$'. sonarqube(java:S101) [Ln 3, Col 7]
    ⚠ Provide the parametrized type for this generic. sonarqube(java:S3740) [Ln 6, Col 5]
    △ List is a raw type. References to generic type List<E> should be parameterized Java(16777788) [Ln 6, Col 5]
    ⚠ Provide the parametrized type for this generic. sonarqube(java:S3740) [Ln 13, Col 22]
    △ ArrayList is a raw type. References to generic type ArrayList<E> should be parameterized Java(16777788) [Ln 13, Col 22]
    A Rename this method name to match the regular expression '^[a-z][a-zA-Z0-9]*$'. sonarqube(java:S100) [Ln 16, Col 17]
    △ Type safety: The method add(Object) belongs to the raw type List. References to generic type List <E> should be parameterized Java(16777747) [Ln 17, Col 9]
    ⚠ Make sure this expression can't be zero before doing this division. sonarqube(java:S3518) [Ln 25, Col 24]
    ⚠ Replace this use of System.out by a logger. sonarqube(java:S106) [Ln 39, Col 9]
    A Replace this use of System.out by a logger. sonarqube(java:S106) [Ln 40, Col 9]
    ⚠ Replace this use of System.out by a logger. sonarqube(java:S106) [Ln 41, Col 9]
     Replace this use of System.out by a logger. sonarqube(java:S106) [Ln 42, Col 9]
    ⚠ Replace this use of System.out by a logger. sonarqube(java:S106) [Ln 43, Col 9]
```

**Screenshot 2: Errores Corregidos** 

```
J Main.java > 😭 student > 🈭 average()
      import java.util.*;
      class student {
      String id;
          String name;
          List<Object> gradez;
          String pass = "unknown";
          boolean honor;
          double avg;
          public student(String i, String n) {
              id = i;
              name = n;
              gradez = new ArrayList<>();
          public void AddG(Object g) {
              gradez.add(g);
          public double average() {
              double total = 0;
          OUTPUT
                   DEBUG CONSOLE TERMINAL
PROBLEMS
                                            PORTS
No problems have been detected in the workspace.
```

## Screenshot 3: Ejemplo de salida del programa

```
PROBLEMS 15 OUTPUT DEBUG CONSOLE TERMINAL PORTS

ionMessages' '-cp' 'C:\Users\CltControl.GGIECSOFWRK157\AppData\Roaming\Code\User\workspaceStorage\c5be4060\
Nombre inválido. Se asignará 'N/A'.

Valor no válido (no es número): Ninety
Índice inválido: 9. No se puede eliminar.

Student: N/A

ID: abc
Grades #: 1

Average: F = 59.0
Honor Roll: false
Pass: Failed
```

Repository URL: <a href="https://github.com/Gennalop/CodingStandards">https://github.com/Gennalop/CodingStandards</a>