Reporte SonarQube

Se realizó una prueba estática al código del repositorio
https://github.com/AgenteRasta/PruebaSofka, y se obtuvieron los siguientes resultados.
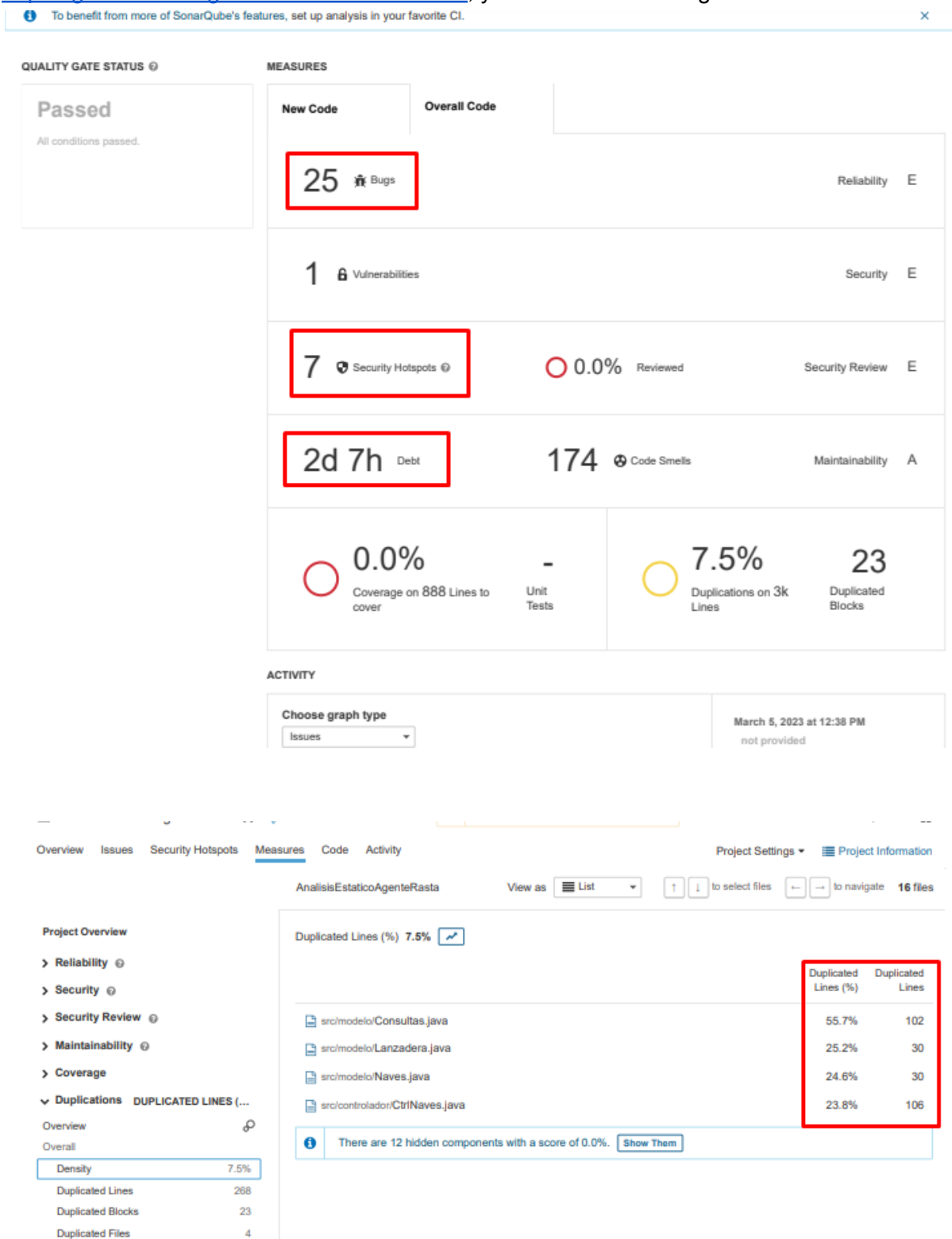
Es un código de 888 líneas con mucha sobreescritura de código, en la clase consultas.java se encontró que más de la mitad es código duplicado, también se pueden observar problemas en la seguridad y que los errores que se encuentran son muy repetitivos.

Seguridad:

'password' detected in this expression, review this potentially hard-coded password.

Hard-coded passwords are security-sensitive   java:S2068

🛡 7 Security Hotspots to review

Status: TO REVIEW

This security hotspot needs to be reviewed to assess whether the code poses a risk.

Review priority: HIGH

Change status ▾   Assignee: **Not assigned** ✏

Authentication	1	⌃

'password' detected in this expression, review this potentially hard-coded password.

📄 src/modelo/Conexion.java

SQL Injection	6	⌄

7 of 7 shown

Where is the risk?   What's the risk?   Assess the risk   How can I fix it?

📄 src/modelo/Conexion.java 🗎   Open in IDE   Get Permalink 🔗

```
13
14    /**
15    *
16    * @author Rasta
17    */
18    public class Conexion {
19
20
21        private final String base ="naves";
22        private final String user ="root";
23        private final String password ="123456";
```

'password' detected in this expression, review this potentially hard-coded password.   Comment

```
24        private final String url ="jdbc:mysql://localhost:3306/" + base;
25        private Connection con=null;
26
27        public Connection getConexion()
28        {
29            try{
30                Class.forName("com.mysql.cj.jdbc.Driver");
31                con=(Connection) DriverManager.getConnection(this.url, this.user, this.password);
32
33            } catch(SQLException e)
```

Se está usando una contraseña muy genérica para la conexión con la base de datos, es decir, que tiene muy poca seguridad.

Bugs:

📄 src/modelo/Consultas.java

☐ **Use try-with-resources or close this "PreparedStatement" in a "finally" clause.**   1 month ago ▾ L27 🔗 ▼▾
🐞 Bug ▾ ❗ Blocker ▾ ○ Open ▾ Not assigned ▾ 5min effort Comment   🏷 cert, cwe, denial-of-service, leak ▾

☐ **Use try-with-resources or close this "PreparedStatement" in a "finally" clause.**   1 month ago ▾ L57 🔗 ▼▾
🐞 Bug ▾ ❗ Blocker ▾ ○ Open ▾ Not assigned ▾ 5min effort Comment   🏷 cert, cwe, denial-of-service, leak ▾

☐ **Use try-with-resources or close this "PreparedStatement" in a "finally" clause.**   1 month ago ▾ L87 🔗 ▼▾
🐞 Bug ▾ ❗ Blocker ▾ ○ Open ▾ Not assigned ▾ 5min effort Comment   🏷 cert, cwe, denial-of-service, leak ▾

☐ **Use try-with-resources or close this "PreparedStatement" in a "finally" clause.**   1 month ago ▾ L115 🔗 ▼▾
🐞 Bug ▾ ❗ Blocker ▾ ○ Open ▾ Not assigned ▾ 5min effort Comment   🏷 cert, cwe, denial-of-service, leak ▾

☐ **Use try-with-resources or close this "PreparedStatement" in a "finally" clause.**   1 month ago ▾ L143 🔗 ▼▾
🐞 Bug ▾ ❗ Blocker ▾ ○ Open ▾ Not assigned ▾ 5min effort Comment   🏷 cert, cwe, denial-of-service, leak ▾

☐ **Use try-with-resources or close this "PreparedStatement" in a "finally" clause.**   1 month ago ▾ L167 🔗 ▼▾
🐞 Bug ▾ ❗ Blocker ▾ ○ Open ▾ Not assigned ▾ 5min effort Comment   🏷 cert, cwe, denial-of-service, leak ▾

📄 src/modelo/Lanzadera.java

☐ **Remove or correct this useless self-assignment.**   1 month ago ▾ L23 🔗 ▼▾
🐞 Bug ▾ 🔺 Major ▾ ○ Open ▾ Not assigned ▾ 3min effort Comment   🏷 cert ▾

☐ **Remove or correct this useless self-assignment.**   1 month ago ▾ L24 🔗 ▼▾
🐞 Bug ▾ 🔺 Major ▾ ○ Open ▾ Not assigned ▾ 3min effort Comment   🏷 cert ▾

☐ **Remove or correct this useless self-assignment.**   1 month ago ▾ L25 🔗 ▼▾
🐞 Bug ▾ 🔺 Major ▾ ○ Open ▾ Not assigned ▾ 3min effort Comment   🏷 cert ▾

☐ **Remove or correct this useless self-assignment.**   1 month ago ▾ L26 🔗 ▼▾
🐞 Bug ▾ 🔺 Major ▾ ○ Open ▾ Not assigned ▾ 3min effort Comment   🏷 cert ▾

☐ **Remove or correct this useless self-assignment.**   1 month ago ▾ L27 🔗 ▼▾
🐞 Bug ▾ 🔺 Major ▾ ○ Open ▾ Not assigned ▾ 3min effort Comment   🏷 cert ▾

📄 src/modelo/Naves.java

☐ **Remove or correct this useless self-assignment.**
🐞 Bug ▾ 🔺 Major ▾ ○ Open ▾ Not assigned ▾ 3min effort Comment

☐ **Remove or correct this useless self-assignment.**
🐞 Bug ▾ 🔺 Major ▾ ○ Open ▾ Not assigned ▾ 3min effort Comment

☐ **Remove or correct this useless self-assignment.**
🐞 Bug ▾ 🔺 Major ▾ ○ Open ▾ Not assigned ▾ 3min effort Comment

☐ **Remove or correct this useless self-assignment.**
🐞 Bug ▾ 🔺 Major ▾ ○ Open ▾ Not assigned ▾ 3min effort Comment

📄 test/controlador/CtrlNavesTest.java

☐ **A "NullPointerException" could be thrown; "instance" is nullable here.**
🐞 Bug ▾ 🔺 Major ▾ ○ Open ▾ Not assigned ▾ 10min effort Comment

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☐

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🐞 Bug ▾   🔴 Major ▾   ⚪ Open ▾   Not assigned ▾   10min effort   Comment

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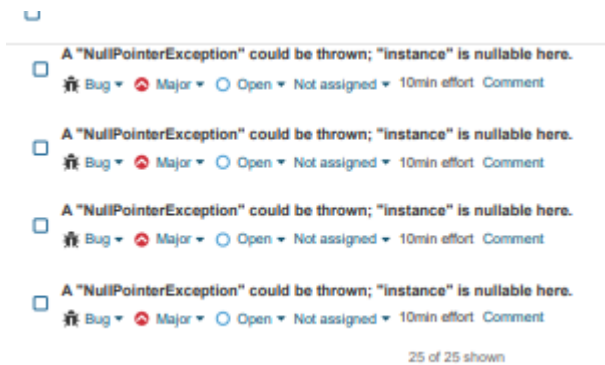
Como se puede observar los defectos están agrupados, los errores son casi los mismos, solo hay 4 tipos de bugs diferentes.
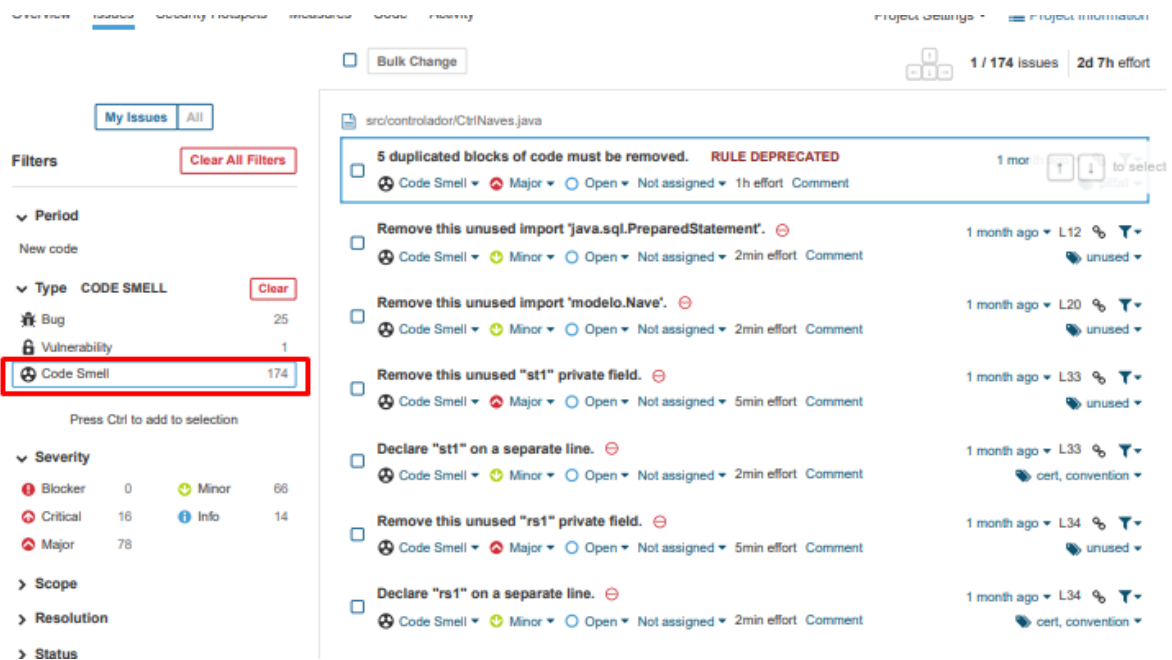
Se encontraron 174 líneas de código apestoso, y revisandolas, generalmente es de variables que se declaran varias veces de forma innecesaria, de importaciones de clases que no se están utilizando, y en general son los mismos errores que se repiten una y otra vez.