

# Análise Estática de Código - DNADiagnostico

Versão do app:

- branch "Master"
- <https://github.com/RenatoRPV/MPOO200-1>

Ferramentas:

- SonarQube

Metodologia:

- Utilizar o SonarQube para encontrar bugs, code smells e avaliar a qualidade do código.

Resultado: O código não apresenta nenhum bug porém tem 61 code smells sendo 9 deles críticos, 16 majors e 36 minors.

2 duplicated blocks of code must be removed.

- Code Smell
- Major

Rename this package name to match the regular expression `^[a-z_]+(\.[a-z_][a-z0-9_]*)*$`.

- Code Smell
- Minor

Define a constant instead of duplicating this literal "SELECT \* FROM " 4 times.

- Code Smell
- Critical

Define a constant instead of duplicating this literal " WHERE " 4 times.

- [Code Smell](#)
- [Critical](#)

Define a constant instead of duplicating this literal " LIKE ?" 4 times.

- [Code Smell](#)
- [Critical](#)

Remove this useless assignment to local variable "id".

- [Code Smell](#)
- [Major](#)

Remove this unused "id" local variable.

- [Code Smell](#)
- [Minor](#)

Remove this useless assignment to local variable "name".

- [Code Smell](#)
- [Major](#)

Remove this unused "name" local variable.

- [Code Smell](#)
- [Minor](#)

Remove this useless assignment to local variable "email".See Rule

- [Code Smell](#)
- [Major](#)

Remove this unused "email" local variable.

- [Code Smell](#)
- [Minor](#)

Remove this useless assignment to local variable "pass".

- [Code Smell](#)
- [Major](#)

Remove this unused "pass" local variable.

- [Code Smell](#)
- [Minor](#)

Rename this package name to match the regular expression `^[a-z_](\.[a-z_][a-z0-9_]*)*$`.

- [Code Smell](#)
- [Minor](#)

Rename this package name to match the regular expression `^[a-z_](\.[a-z_][a-z0-9_]*)*$`.

- [Code Smell](#)
- [Minor](#)

Rename this field "DNASeq" to match the regular expression `^[a-z][a-zA-Z0-9]*$`.

- [Code Smell](#)
- [Minor](#)

Rename this local variable to match the regular expression `^[a-z][a-zA-Z0-9]*$`.

- [Code Smell](#)
- [Minor](#)

Rename this package name to match the regular expression `^[a-z_](\.[a-z_][a-z0-9_]*)*$`.

- [Code Smell](#)
- [Minor](#)

Use "java.util.Random.nextInt()" instead. See Rule

- [Code Smell](#)
- [Minor](#)

Rename this package name to match the regular expression `'^[a-z_]+(\.[a-z_][a-z0-9_]*)*$'`.

- [Code Smell](#)
- [Minor](#)

Rename this package name to match the regular expression `'^[a-z_]+(\.[a-z_][a-z0-9_]*)*$'`.

- [Code Smell](#)
- [Minor](#)

This class has 10 parents which is greater than 5 authorized.

- [Code Smell](#)
- [Major](#)

Refactor this method to reduce its Cognitive Complexity from 32 to the 15 allowed.

- [Code Smell](#)
- [Critical](#)

Remove this unnecessary cast to "EditText".

- [Code Smell](#)
- [Minor](#)

Remove this unnecessary cast to "EditText".

- [Code Smell](#)
- [Minor](#)

Remove this unnecessary cast to "EditText".

- [Code Smell](#)
- [Minor](#)

Remove this unnecessary cast to "EditText".

- [Code Smell](#)
- [Minor](#)

Add a nested comment explaining why this method is empty, throw an UnsupportedOperationException or complete the implementation. See Rule

- [Code Smell](#)
- [Critical](#)

Rename this package name to match the regular expression `^[a-z_](\.[a-z_][a-z0-9_]*)*$`.

- [Code Smell](#)
- [Minor](#)

This class has 10 parents which is greater than 5 authorized.

- [Code Smell](#)
- [Major](#)

Remove this unnecessary cast to "EditText".

- [Code Smell](#)
- [Minor](#)

Remove this unnecessary cast to "EditText".

- [Code Smell](#)
- [Minor](#)

Remove this useless assignment to local variable "usuario".

- [Code Smell](#)
- [Major](#)

Remove this unused "usuario" local variable.

- [Code Smell](#)
- [Minor](#)

Rename this local variable to match the regular expression `^[a-z][a-zA-Z0-9]*$`.

- [Code Smell](#)
- [Minor](#)

Rename this local variable to match the regular expression `^[a-z][a-zA-Z0-9]*$`.

- [Code Smell](#)
- [Minor](#)

Rename this package name to match the regular expression `^[a-z_](\.[a-z_][a-z0-9_]*)*$`.

- [Code Smell](#)
- [Minor](#)

This class has 10 parents which is greater than 5 authorized.

- [Code Smell](#)
- [Major](#)

Remove this unused "dev00Renato" private field.

- [Code Smell](#)
- [Major](#)

Rename this package name to match the regular expression `^[a-z_](\.[a-z_][a-z0-9_]*)*$`.

- [Code Smell](#)
- [Minor](#)

Remove this unused import 'com.renato.renatoRPV.dao.Dev00Pedrosa'.

- [Code Smell](#)
- [Minor](#)

This class has 10 parents which is greater than 5 authorized.

- [Code Smell](#)
- [Major](#)

Rename this field "prevençãoDsaúde" to match the regular expression '^[a-z][a-zA-Z0-9]\*\$'.

- [Code Smell](#)
- [Minor](#)

Remove this unused "guiUtil" private field.

- [Code Smell](#)
- [Major](#)

Remove this unnecessary cast to "Spinner".

- [Code Smell](#)
- [Minor](#)

Remove this unnecessary cast to "TextView".

- [Code Smell](#)
- [Minor](#)

Remove this unnecessary cast to "TextView".

- [Code Smell](#)
- [Minor](#)

Rename this package name to match the regular expression '^[a-z\_]+(\\.[a-z\_][a-z0-9\_]\*)\*\$'.

- [Code Smell](#)
- [Minor](#)

Define a constant instead of duplicating this literal " TEXT NOT NULL, " 5 times.

- [Code Smell](#)
- [Critical](#)

Define a constant instead of duplicating this literal "(name, application, biological\_profile)" 12 times.

- Code Smell
- Critical

Define a constant instead of duplicating this literal "INSERT INTO " 12 times. See Rule

- Code Smell
- Critical

Define a constant instead of duplicating this literal "VALUES ('Febre', 'Gripe', ');" 3 times.

- Code Smell
- Critical

Rename this package name to match the regular expression '^[a-z\_](\[a-z\_][a-z0-9\_]\*)\*\$'.

- Code Smell
- Minor

Rename this package name to match the regular expression '^[a-z\_](\[a-z\_][a-z0-9\_]\*)\*\$'.

- Code Smell
- Minor

Rename this package name to match the regular expression '^[a-z\_](\[a-z\_][a-z0-9\_]\*)\*\$'.

- Code Smell
- Minor

Remove this redundant jump.

- Code Smell
- Minor

Rename this package name to match the regular expression '^[a-z\_](\[a-z\_][a-z0-9\_]\*)\*\$'.

- Code Smell
- Minor



Define and throw a dedicated exception instead of using a generic one.

- [Code Smell](#)
- [Major](#)

Define and throw a dedicated exception instead of using a generic one.

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- [Code Smell](#)
- [Major](#)