sonar RULES

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- TypeScript
- T-SQL
- VB.NET
- VB6
- XML

JavaScript static code analysis

Unique rules to find Bugs, Vulnerabilities, Security Hotspots, and Code Smells in your JAVASCRIPT code

All rules 285 | Vulnerability 29 | Bug 62 | Security Hotspot 43 | Code Smell 151 | Quick Fix 41

Tags ⌄ | Search by name...

Variables should be used in the blocks where they declared

Code Smell

Parameters should be passed in the correct order

Code Smell

Two branches in a conditional structure should not have exactly the same implementation

Code Smell

Unused assignments should be removed

Code Smell

Function parameters with default values should be last

Code Smell

Functions should not be defined inside loops

Code Smell

"switch" statements should not have too many "case" clauses

Code Smell

Only "while", "do", "for" and "switch" statements should be labelled

Code Smell

Sections of code should not be commented out

Code Smell

Unused function parameters should be removed

Code Smell

Track uses of "FIXME" tags

Code Smell

Assignments should not be made

All branches in a conditional structure should not have exactly the same implementation

Analyze your code

Bug Major

Having all branches in a `switch` or `if` chain with the same implementation is an error. Either a copy-paste error was made and something different should be executed, or there shouldn't be a `switch/if` chain at all.

Noncompliant Code Example

```
if (b == 0) {  // Noncompliant
  doOneMoreThing();
}
else {
  doOneMoreThing();
}

let a = (b == 0) ? getValue() : getValue();   // Noncomplian

switch (i) {  // Noncompliant
  case 1:
    doSomething();
    break;
  case 2:
    doSomething();
    break;
  case 3:
    doSomething();
    break;
  default:
    doSomething();
}
```

Exceptions

This rule does not apply to `if` chains without `else`-s, or to `switch`-es without `default` clauses.

```
if(b == 0) {    //no issue, this could have been done on pur
  doSomething();
} else if(b == 1) {
  doSomething();
}
```

Available In:

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from within sub-expressions

Code Smell

Labels should not be used

Code Smell

Variables should not be shadowed

Code Smell

Redundant pairs of parentheses should be removed

Code Smell

Nested blocks of code should not be left empty

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