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- CSS
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- HTML
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- JavaScript
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- PL/SQL
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- TypeScript
- T-SQL
- VB.NET
- VB6
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PHP static code analysis

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

All rules 268 | 🔒 Vulnerability 40 | 🐛 Bug 51 | 🛡 Security Hotspot 33 | ☢ Code Smell 144

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be used to end lines

☢ Code Smell

More than one property should not be declared per statement

☢ Code Smell

The "var" keyword should not be used

☢ Code Smell

"<?php" and "<?=" tags should be used

☢ Code Smell

File names should comply with a naming convention

☢ Code Smell

Comments should not be located at the end of lines of code

☢ Code Smell

Local variable and function parameter names should comply with a naming convention

☢ Code Smell

Field names should comply with a naming convention

☢ Code Smell

Lines should not end with trailing whitespaces

☢ Code Smell

Files should contain an empty newline at the end

☢ Code Smell

Modifiers should be declared in the correct order

☢ Code Smell

An open curly brace should be located at the beginning of a line

---

"if ... else if" constructs should end with "else" clauses

Analyze your code

☢ Code Smell   🔺 Critical ❓

This rule applies whenever an `if` statement is followed by one or more `else if` statements; the final `else if` should be followed by an `else` statement.

The requirement for a final `else` statement is defensive programming.

The `else` statement should either take appropriate action or contain a suitable comment as to why no action is taken. This is consistent with the requirement to have a final `default` clause in a `switch` statement.

Noncompliant Code Example

```
if (condition1) {
  do_something();
} elseif (condition2) {
  do_something_else();
}
```

Compliant Solution

```
if (condition1) {
  do_something();
} elseif (condition2) {
  do_something_else();
} else {
  throw new InvalidArgumentException('message');
}
```

Exceptions

When all branches of an `if-elseif` end with `return`, `break`, `continue` or `throw`, the code that comes after the `if` implicitly behaves as if it was in an `else` clause. This rule will therefore ignore that case.

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Code Smell

An open curly brace should be located at the end of a line

Code Smell

Tabulation characters should not be used

Code Smell

Method and function names should comply with a naming convention

Code Smell

Creating cookies with broadly defined "domain" flags is security-sensitive

Security Hotspot