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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

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Bug

Regular expressions should not contain control characters
Bug

Alternation in regular expressions should not contain empty alternatives
Bug

Mocha timeout should be disabled by setting it to "0".
Bug

Unicode Grapheme Clusters should be avoided inside regex character classes
Bug

Assertions should not be given twice the same argument
Bug

Alternatives in regular expressions should be grouped when used with anchors
Bug

Promise rejections should not be caught by 'try' block
Bug

Collection elements should not be replaced unconditionally
Bug

Errors should not be created without being thrown
Bug

Collection sizes and array length comparisons should make sense
Bug

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

Regular expressions should be syntactically valid

Analyze your code

Bug Critical regex

Regular expressions have their own syntax that is understood by regular expression engines. Those engines will throw an exception at runtime if they are given a regular expression that does not conform to that syntax.

To avoid syntax errors, special characters should be escaped with backslashes when they are intended to be matched literally and references to capturing groups should use the correctly spelled name or number of the group.

To match a literal string, rather than a regular expression, either all special characters should be escaped or methods that don't use regular expressions should be used.

Noncompliant Code Example

```
new RegExp("([");
str.match("([");
```

Compliant Solution

```
new RegExp("\\(\\[");
str.match("\\(\\[");
str.replace("([", "{");
```

Available In:
sonarlint sonarcloud sonarqube

Bug

Destructuring patterns should not be empty

Bug

The output of functions that don't return anything should not be used

Bug

Comma and logical OR operators should not be used in switch cases

Bug

Generators should "yield" something