sonar RULES Products

JavaScript static code analysis

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

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
Bug

Destructuring patterns should not be empty
Bug

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

"super()" should be invoked appropriately

Analyze your code

Bug Critical

There are situations where `super()` must be invoked and situations where `super()` cannot be invoked.

The basic rule is: a constructor in a non-derived class cannot invoke `super()`; a constructor in a derived class must invoke `super()`.

Furthermore:

- `super()` must be invoked before the `this` and `super` keywords can be used.
- `super()` must be invoked with the same number of arguments as the base class' constructor.
- `super()` can only be invoked in a constructor - not in any other method.
- `super()` cannot be invoked multiple times in the same constructor.

Known Limitations

- False negatives: some issues are not raised if the base class is not defined in the same file as the current class.

Noncompliant Code Example

```
class Dog extends Animal {
  constructor(name) {
    super();
    this.name = name;
    super();         // Noncompliant
    super.doSomething();
  }
}
```

Compliant Solution

```
class Dog extends Animal {
  constructor(name) {
    super();
    this.name = name;
    super.doSomething();
  }
}
```

Available In:

sonarlint sonarcloud sonarqube

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

Bug

Generators should "yield" something

Bug

Attempts should not be made to update "const" variables

Bug

Strict equality operators should not be used with dissimilar types

Bug