

DWA_04.3 Knowledge

Check_DWA4

1. Select three rules from the Airbnb Style Guide that you find **useful** and explain why.

exampleRule 1- **Variables**: Use const or let to declare variables. Avoid using var.

Why: This rule promotes the use of const and let which provide block scope and help prevent accidental reassignments. By avoiding var, which has function scope, it reduces the risk of variable hoisting and unexpected behaviour. Additionally, using const for variables that shouldn't be reassigned helps make the code more readable and signals the developer's intention to keep the value constant.

exampleRule 2- **Function Declarations**: Prefer function expressions over function declarations. Use arrow functions for anonymous functions or when the lexical this is desired.

Explanation: This rule encourages the use of function expressions and arrow functions, which are more concise and offer better control over the lexical scope. Function expressions allow for better encapsulation by assigning a function to a variable. Arrow functions, on the other hand, have lexical this, meaning they don't create their own this context and instead inherit it from the surrounding scope. This can help prevent confusion and bugs related to this binding.

exampleRule 3- **Object Formatting**: Use object literal shorthand syntax when possible. Align the properties of object literals vertically.

Explanation: Object literal shorthand syntax allows for shorter and cleaner code by omitting repetitive property names when the variable names match the property names. This enhances readability and reduces visual noise. Additionally, aligning the properties vertically improves code organisation and makes it easier to scan and compare properties at a glance, especially when objects have multiple properties. These three rules help improve code clarity, readability, and maintainability by encouraging the use of modern JavaScript features, reducing the risk of errors related to variable scoping and assignment, and promoting a consistent and organised format for object literals. Following these rules can lead to more efficient and maintainable codebases.

2. Select three rules from the Airbnb Style Guide that you find **confusing** and explain why.

no-multi-spaces rule: This rule disallows multiple spaces in a row in code. However, it can be confusing to understand where it should and should not be applied, especially in cases where a certain amount of spacing may improve readability. Some developers may also find it excessive to require single spaces everywhere.

"Use template literals instead of string concatenation": This rule advises developers to use template literals rather than string concatenation when constructing strings in JavaScript. This can make code more readable and easier to understand, since template literals allow you to embed variables and expressions directly in the string, rather than having to use string concatenation to combine different pieces of information. This can also make your code more efficient, since template literals are faster than string concatenation in many cases.
