DWA_04.3 Knowledge Check_DWA4

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

For developing clear and manageable JavaScript code, a set of rules and best practices are provided by the Airbnb Style Guide. Three often considered the most important from the Airbnb Style Guide are listed below, along with an explanation of their value:

1. **"Use const for all of your references; avoid using var."** - Justification: This rule promotes the usage of "const" and "let" in place of "var" when declaring variables. It encourages block-scoping and prevents unintentional variable reassignment, resulting in more predictable and error-free code.

2. **"Use arrow functions (=>) for function expressions or callbacks."** - Arrow functions offer a clear syntax for defining functions, as explained. They don't make their own 'this' context; rather, they implicitly bound the 'this' value. This directive encourages code clarity and aids in preventing potential 'this' binding problems.

3. **"Enforce the use of single quotes (') for string literals."** - Justification: This rule ensures uniformity across the codebase by standardizing the use of single quotes for string literals. By minimizing visual clutter, it maintains a consistent coding style and enhances code comprehension.

These guidelines, along with many others in the Airbnb Style Guide, are meant to standardize coding techniques, lessen the likelihood of problems, and enhance the maintainability of code.

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

1. Wrap JSX tags in parentheses when they span more than one line. eslint: `react/jsx-wrap-multilines`
   a. I don't see immediately how this is helpful and they already have their own arrow brackets which make them distinct from other lines of code
2. Use arrow functions to close over local variables.
   a. Even if the function is being used for a local variable it is still useful to be able to call the function in other areas of code and it is not common that you would have a function that only gets used once.
   b. It is also harder to read
3. Always self-close tags that have no children.
   a. I don't see the functionality here, and it makes it harder too go back and edit later if a child needs to be added

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