

DWA_04.3 Knowledge Check_DWA4

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

Component Naming

- **Code Readability and Maintainability:** Well-named components contribute to code readability. When you or others revisit the codebase in the future, descriptive names help quickly grasp the intent and behavior of each component, making maintenance, debugging, and refactoring more efficient.
- **Collaboration:** When multiple team members collaborate on a project, having clear and consistent component names facilitates teamwork. Developers can understand each other's contributions more readily, leading to smoother integration of features and reduced friction.
- **Code Reusability:** Descriptive component names can also contribute to code reusability. Well-named components are more likely to be identified as candidates for reuse in different parts of the project or even in other projects.

Declaration

- **Readability:** Declaring variables with meaningful names and proper data types enhances code readability and comprehension for both developers and collaborators.
- **Documentation:** Variable declarations serve as a form of documentation. They indicate the purpose and type of data stored in a variable, aiding understanding for anyone reading the code.
- **Type Safety:** Specifying the data type of a variable during its declaration helps catch type-related errors early in the development process. It promotes type safety and reduces runtime errors.

Spacing/White Spacing

Text Readability:

- In written text, spacing between words, sentences, and paragraphs makes the content easier to read and comprehend. It provides visual breaks that help the reader's eyes flow smoothly across the text.

- Adequate line spacing (line height) prevents text from appearing too crowded, reducing eye strain and fatigue.

Programming Code:

- Proper indentation and spacing improve the readability of code. Indentation is especially important for maintaining code structure and identifying control flow.
- Spacing around operators, keywords, and symbols makes code expressions more understandable and reduces the likelihood of syntax errors.

Code Comments:

- Code comments are used to provide explanations and context for other developers. Proper spacing and formatting of comments make them stand out from the code, aiding readability.

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

Class vs React.createClass vs stateless

- Complex Syntax: Class components use a more complex syntax compared to functional components. The use of the class keyword, constructor, render method, can be overwhelming more especially being new to such concepts.

Higher-order Component Naming

- Choosing a name and naming consistency across your project, is something I believe we should still get used to and also understanding how and why you named a variable or function in a certain way is important for the durability of the code life cycle.

Methods

- Instead of defining a function by using the function key word, arrow functions can sometimes be a little hard to read and apply somewhere, because of their nature. So far, I'm used to the idea of seeing the "function" key word when a function/method is being used in an object for instance.
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