

DWA_01.3 Knowledge Check_DWA1

1. Why is it important to manage complexity in Software?

Managing complexity in Software is important for easy maintainability, readability and debugging. Also complex code is more likely to have hidden bugs.

2. What are the factors that create complexity in Software?

- 1) Not having comment in your code can make it more difficult to understand if someone else has to work on it.
 - 2) Lack of descriptive variable names
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3. What are ways in which complexity can be managed in JavaScript?

- 1) Use descriptive variable names
 - 2) Add comments for easier readability and understanding of your code
 - 3) Use functions to write a more cleaner code
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4. Are there implications of not managing complexity on a small scale?

Not managing complexity on a small scale can result in maintainability issues and debugging challenges over time. Also unmanaged complexity can result in technical debt

5. List a couple of codified style guide rules, and explain them in detail.

- 1) Use consistent indentation
- 2) Use descriptive variable and function names

6. To date, what bug has taken you the longest to fix - why did it take so long?
I declared the same variable twice. It took me some time to fix it because i did not use descriptive variable names.
