DWA_01.3 Knowledge Check_DWA1

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

So that it's easier to manage bugs and possibly debug. The ability to fix a crashed app is vital in a world where apps are complex and are constantly in need of updating

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

- Complicated code
- Badly written code
- Long cong

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3. What are ways in which complexity can be managed in JavaScript?

- Documentation of code should be done exceptionally well.
- Abstraction
- Grouping your code well(functions with functions. Loops with loops etc)

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4. Are there implications of not managing complexity on a small scale?

Because you are always building onto existing code, the possibility that you might get glitches and bugs further down the line when your code is huge and complex is pretty high.

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5. List a couple of codified style guide rules, and explain them in detail.
    - Use 2 spaces for indentation - This means that your text should always be spaced accordingly for easy reading
    - Use single or double quotes throughout your code - Do not mix the 2. This will make it easier for you to keep track of your code if there is a chance that you do have to use both sets of quotations marks in your code
    - No unused variables in your code - Do not add anything you aren't planning to use on your code. It could become a cause for complication deeper into the code

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6. To date, what bug has taken you the longest to fix - why did it take so long?

Using a semicolon in an array instead of a comma. Itreally took a long time to figure out my error because it's punctuation

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