

DWA_01.3 Knowledge Check_DWA1

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

It enables you to find simpler ways to break down complex code into simpler and easier to understand code.

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

- bad coding**
 - bad/misspelling function naming**
 - variables are non descriptive**
 - very long code**
 - no document comments**
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3. What are ways in which complexity can be managed in JavaScript?

- code style**
 - naming variables properly in a descriptive manner**
 - Making code shorter**
 - Use JSDoc and comments to describe functions**
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4. Are there implications of not managing complexity on a small scale?

In the long run the code will be difficult to understand or update

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

- Use **CONST** instead of **VAR**, with **VAR** if a variable is defined in a loop it can still be accessed outside the block and be accidentally redefined causing bugs.
 - When creating objects, use literal syntax to be able to define all variables in one place
 - if there's use of strings with a lot of characters, rather use multiple lines to make it easy to read
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6. To date, what bug has taken you the longest to fix - why did it take so long?

I've been faced with a code that didn't want to work due to bad naming a function and not setting up, all along I had incorrectly spelled it which was picked up using Quokka extension.
