

DWA_01.3 Knowledge Check_DWA1

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

It is important because you aren't going to be the only person to work on that code base. Errors can be made when code gets too complex resulting in bugs. Complex software makes it difficult to add new features.

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

- Adding new features increase complexity
 - It happens when we focus on creating code that works instead of thinking about maintaining it.
 - Not having a specific design leads to the design becoming complex as you work on it
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3. What are ways in which complexity can be managed in JavaScript?

Writing the code in a way that makes it easy for people to understand it. When writing naming variables be descriptive. You should use a style guide to keep your code consistent.

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

It can lead to errors and mistakes that increase as the code gets more complex. This is ineffective because it would make it harder to bug fix later on.

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

- Naming conventions should be descriptive when you use them for variables, functions etc. Naming conventions help improve code readability and make it easier to maintain.

- Indentation needs to be kept constant

- Commenting needs to be descriptive of things that are not obvious to the in in the code

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

When i starting learning to code i used an app called sololearn and there was a challenge called snail in the well and i rewrote the code a lot of times and nothing worked i discovered a two days later the only part of the code i left the same was the course of the issue i forgot the full stop while writing console log.
