

DWA_01.3 Knowledge Check_DWA1

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

- If not controlled code can become big and messy, making it more difficult to find and fix bugs.
 - Finding and fixing these bugs require a lot of time and effort.
 - The quality and functionality of the code reduces due to the time required to go back and fix the code.
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2. What are the factors that create complexity in Software?

- Larger code which becomes more messy and harder for the developer to keep up with.
 - Poor communication.
 - Lack of training and experience.
 - Naming and styling of code
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3. What are ways in which complexity can be managed in JavaScript?

- Split the messy code into some more manageable smaller parts.
 - Reduce the code size where code may be repetitive or look closely similar.
 - Agree on code styles/style guidelines for better code readability so that everyone easily understands the code.
 - Make use of comments explaining your code.
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4. Are there implications of not managing complexity on a small scale?

- Problems can become harder to solve and become even more complex.
- Creating or coming up with solutions becomes more difficult.
- Things can become so complex that no one knows what's going on.

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

- Filename - Need to be in lowercase and may include (-)/(_) to separate words, however no other punctuation may be used.
- Comments - The use of comments explains what code is meant to do, it makes it easier for the reader to understand what is meant when reading the code.
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6. To date, what bug has taken you the longest to fix - why did it take so long?

- An error on my Final Capstone Project. I am still unsure, I have still not managed to fix the bug.
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