DWA_01.3 Knowledge Check_DWA1

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

- So any programmer looking at your code can have an idea/understand what you are coding.
- Breaking code into smaller chunks/making every line of code clean and short as possible which also makes it easier to debug.

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

- Have big chunks of code that other programmer cannot understand/have an idea of the code
- The code is unstructured/ unreadable and the code is unnecessarily long .

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

- Having your code into smaller chunks and having comments where needed for more readability.
- Having a more structured code flow that it is readable

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

- When debugging your code, you will not spot small mistakes like a spelling mistake of your variable, miss a semicolon.
- Your code is not unnecessarily long

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

- Keep your const and let together in each section
  E.g const son
  const dad

  let two
  let four

- Using expressive functions instead of declared individual functions, e.g having your functions all in an object where you can call them instead of declaring them one by one.

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

- When using the DOM in the JavaScript file to replace information on the HTML file when it is running/ one change in the DOM can cause the whole code to crash.
- The problem was that I named my data-attributes incorrectly.
