

# 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

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.
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