DWA_01.3 Knowledge Check_DWA1

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1. Why is it important to manage complexity in Software?
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   - Because when something is not right it completely fails, it either works or fails completely
   - Because you could not get any work done if you don't manage the complexity
   - To avoid software from crashing and breaking

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

   - Programming is complex(some types of software are more complex than others)
   - Evolving (mostly we don't know everything up front,
     what we should be building and
     what the customer wants.
     And because things are changing as you are building your code,
   - Technical Debt (when you agave to make a quick fix, when the is a bug or when a user needs a certain feature urgently,
     Sometimes you just have to write a quick quote but you have to later fix it
   - Scaling (
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3. What are ways in which complexity can be managed in JavaScript?

   - Document comments type (Add comments to add more clarity to the code)
   - Shaping your code (making it more clearer of what the code is doing)
   - Modular(make it easy to reuse, or be able to use it somewhere else
   - Be more clear when creating contests
   - Find common ways to style your code
   - Make your variables more descriptive
   - Build it in a way that it can't run if it has the wrong value.
   - Give guidance to what your code is about
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4. Are there implications of not managing complexity on a small scale?

- Complexity needs to be managed in small scales as the code needs to change as the product grows. Code is always in flux, you are never done
- You should always refactor, clean, improving the performance and making it better

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5. List a couple of codified style guide rules, and explain them in detail.
- Use single quotes for string
- Having properties in an object beyond new lines
- Commas should have a space after them.
- Using brackets if an if statement is more than a single line
- global
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6. To date, what bug has taken you the longest to fix - why did it take so long?
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Keeping programs under control is the main problem of programming.

Avoidable "dump"errors, on most of my codes i get bugs where, i have forgot top close brackets, use commas where need…

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