DWA_01.3 Knowledge Check_DWA1

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

Because just like in the game of dominos, one mistake in code/software can lead to an absolute catastrophe.

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

1. Requirements
2. Size and scope
3. Interdependence
4. Technology Stack
5. Rules
6. Styling
7. Structure

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3. What are ways in which complexity can be managed in JavaScript?
1.Organizing the code
2. Show only the necessary interfaces and hide implementation details
3.Use the standard and easy to read naming conventions
4.By writing comments that a clear and easy to understand
5.a coder should take constructive criticism from peers

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4. Are there implications of not managing complexity on a small scale?
1.It can accumulate technical debts overtime
2.It impacts performance and efficiency of a JavaScript code(slower execution time)
3.Complex code can be harder to test throurougly
4.Harder to debug
5. A code becomes harder to understand and read

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5. List a couple of codified style guide rules, and explain them in detail.
1.Use named functions expressions instead of function declarations
2.Make variables long names that are more descriptive.
3.Never name arguments, actually arguments.
4.If you have default parameters always put them last
5.don’t separate your variables using commas
6. separate your const and your let
7.Use two spaces for indentations

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

The bug in IWA-19 because i felt as if i missed some parts in the lecture videos that could’ve been important in solving the challenge and also that i didn’t put in extra work with all the other challenges.I was focused on finishing the tasks at hand and not on understanding the core concepts of JavaScript.
