DWA_01.3 Knowledge Check_DWA1

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1. Why is it important to manage complexity in Software?
    - So that it is readable to yourself and others at a later stage.
    - To spot bugs easily

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

    - Technical Debt
    - Scaling

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

    - Clean up code to spot bugs easily.
    - Use object oriented programming (OOP) , function programming(FP)
    - Use better naming conventions

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

    - It builds up which can cause huge confusion to other developers trying to work on or fix code as well as yourself.
    - Can cause a breakdown in the whole project.

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

    - Document comments types/shapes - describes what code does and documents the types.
    - Modular - easy to reuse. Takes functions and use it somewhere else working 100%.keep things together
    - Abstraction - keeps code manageable.

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

The bug that took me the longest was fixing the “search button” to work on my capstone project. The search button did not filter the information I was looking for when the “search” was clicked.
