DWA_01.3 Knowledge Check_DWA1

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

Complexity influences project planning and control; it can hinder the clear identification of goals and objectives, it can affect the selection of an appropriate project organization form, or it can even affect projects outcome.

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

There are factors that can contribute to the complexity of a software system,

SIZE, FUNCTIONALITY, INTERGRATION WITH OTHER SYSTEMS, QUALITY OF THE CODE, SECURITY, SCALABILITY.

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

(OOP), MODULARIZATION, CODE REFACTORING, DOCUMENTATION, DESIGN PATTERNS.

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

Yes there are,if complexity is not managed, even on a small scale, it can lead to some problems,
(Increased development time, High maintenance cost, More Bugs, Difficult in scaling.)

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

Naming Conventions: one of the most important parts of a coding style guide, as they make code more readable and understandable.

Indentation and Spacing: Consitent indentation and spacing help in making the code more readable, especially for developers who are new to the codebase.

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

IWA 18, reason was because the search bar was the main objective to make it work, I tried moving some code and rewriting code but eventually i figured it out.
