DWA_01.3 Knowledge Check_DWA1

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

For improving maintainability, readability. Debugging, collaboration, scalability and reusability. It enables more efficient development, reduces errors and ensures the long term viability and sustainability of software projects.

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2. What are the factors that create complexity in Software?
Functional Requirement
System interaction
Data complexity
Performance and scalability

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

Uses of functions and classes
Comments and Documentation
Abstraction
Avoid deep nesting

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

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

Use camelCase for variables and function names
Use double quote string for literals
Avoid using globals variables

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

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