DWA_01.3 Knowledge Check_DWA1

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

To eradicate bugs creation and make the code readable. When things go wrong we can easily find and fix bugs . (functionality)
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2. What are the factors that create complexity in Software?

Not using correct data types(Strings vs numbers). Type coercion . improper code structuring or using wrong variables in functions

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

Use code control measures like proper variable naming Proper structuring like grouping related data together ,functions and arrays. also Adding comments

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

Unable to find bugs easily. And it could cost you your company just like facebook went down for 5 hour had the bugs not been found

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

JavaScript standard style
(Use 2 spaces for indentation. ...
- ● Use single quotes for strings except to avoid escaping. ...
- ● No unused variables.
- ● Add a space after keywords.
- ● Add a space before a function declaration's parentheses.
- ● Always use === instead of == . ...
- ● Infix operators must be spaced. ...
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6. To date, what bug has taken you the longest to fix - why did it take so long?

Brackets Mismatch(not closing properly)
Missing Parameters in Function Calls.

It takes long because they were very easy to miss and the code got confusing

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