

DWA_01.3 Knowledge Check_DWA1

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

To reduce the amount of avoidable bugs. To make it more readable for external software developers.

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

Unorganized code. Code that's not separated which ties in to readability as well. The size of the project can create complexity.

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

Implement object orientated programming. Code refactoring. Commenting in detail.

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

Comment and monitor syntax to avoid mid level bugs.code could be functional but not to our requirements.

—

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

Naming and declaration rules for variables and functions- A variable name must start with a letter or an underscore character. A variable name cannot start with a digit.

Use of white space, indentation, and comments- Spacing is used to separate different elements of the code, such as keywords, variables, and operators. Indentation is used to visually group lines of code together, making it clear which lines of code are related

to each other. .Comments are used to add notes or explanations to the code. They are ignored by the computer and only intended for human readers.

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

I would say IWA 18 because it gave me the most bugs and the more I tried to fix it the more bugs would appear.

—