

DWA_01.3 Knowledge Check_DWA1

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

Managing complexity helps code be more readable, reduces unnecessary code making it easier to collaborate with other developers and debug code

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

Structuring code, using Descriptive variables, using Comments and testing

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

Structuring code, using Descriptive variables, using Comments and testing

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

Yes, the whole system could fail because of a small scale issue like a spelling error, using the wrong syntax etc.

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

Naming conventions, using camelCase for functions and variables

Conditional statement, always use braces {} for if else and for

Commenting, make use of // for single line comments and /* */ for multi line commenting

Variables, only use const for variables that can't be reassigned and let for variables that can be reassigned

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

IWA19, I had a theme changing drop list that wasn't operating properly. When the Day button was clicked it would change the theme, but clicking Night would only dim the Day theme. The Save button wouldn't save the theme change took me a full day to figure it out.

