DWA_01.3 Knowledge Check_DWA1

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

Managing complexity helps the readability of the software and helps other users understand and work with the software. Managing complexity helps to find bugs easier and solve issues in the code.

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

A programs code can grow out of control

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

By using a style of code, like javascript standard style and airbnb style guide, that helps readability eg. using descriptive names for functions, keeping consts and lets together.

Using document comments

Creating modular code

Building smaller code files, rather than having large files with greater complexity

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

As the code grows it can be difficult to pick up bugs and errors in sections of the code

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

Javascript Standard Style -

Airbnb style guide -

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

The capstone project for interactive web apps was the most difficult to fix. The structure and readability of the scripts.js file was extremely difficult to understand as the functions were not declared properly and variables were in different sections of the code

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