DWA_01.3 Knowledge Check_DWA1

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

Generally and most importantly to avoid confusion, being overwhelmed and be able to identify the error then to be able to rectify the code when necessary.And its important because if not, it may result the software to crash which in reality will cause a company to collapse.

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

The size of the project, the constant changes made to the code due to user demands. The quality of the code, poorly written code can result in a lot of confusion even for the Original programmer.

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

We can manage complexity by using comments and JS DOCS.
Making the code modular (reusable)

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

Yes , if you don't manage complexity on a small scale, it will cause major problems if it were to be applied to bigger projects, making it way harder to identify and fix, especially for someone else to understand.

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

- Use 2 spaces to indent: this makes the code neat and forces consistent indentation.
- No unused vars: this eliminates unnecessary code.
- Keyword spaces: this makes it neater eg. (if () instead of if()).
- Infix operators must be spaced: it makes it easier to read and makes it easier to highlight errors.

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

I remember in iwa 18, where we had to fix the web app to function properly like a kitchen express, I was struggling for hours to identify the error because the drag function was not functioning properly . When I finally identified it , it was a simple cut and paste solution where I had to move the drag start function on top of the dragend function.
