DWA_01.3 Knowledge Check_DWA1

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

When things go wrong it becomes easy to debug because we spend a lot of time writing code and even more time maintaining that code, so it's easy to make mistakes. Making sure your code is readable(precision and accuracy plays a big role).

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

- ➔ All different things interact with one another and constantly being updated
- ➔ Small little bugs can break down code
- ➔ Very cross functional
- ➔ Different people with different sets of skills all working on the same thing , it is going to be passed on from person to person.
- ➔ Not documenting your code meaning not adding enough comment
- ➔ Incorrect structuring.

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

- ➔ Being more descriptive so your code is readable
- ➔ Documentation by means of comments
- ➔ Making it more modular
- ➔ Code style
- ➔ Code formatting

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

- ➔ High chances of bugs
- ➔ Having a lot of Technical debts
- ➔ Having syntax errors

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

- ➔ Using named function expressions instead of function declarations
- ➔ Group const and let together
- ➔ Indentation and spacing so your code is more readable
- ➔ Documentation by using comments

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6. To date, what bug has taken you the longest to fix - why did it take so long?
ID Tag confusion
Getting the right Id tag from my html page to add functionality using javascript. Not knowing which one to use because the name Id tags will have similar names.
