

DWA_01.3 Knowledge Check_DWA1

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

Successfully managing software complexity is crucial as it seriously improves the quality and ease of maintaining software. Applying this strategy also lowers development time and expenses, while all together increasing the overall user experience.

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

Dynamic and voyage, require the capacity to adjust to shifting requirements, overcome technical challenges, effectively lead teams, work within financial restrictions and meet strict deadlines.

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

Breaking the code into smaller, manageable modules or functions. Using descriptive and meaningful names for variables and functions enhances code readability. Adding comments.

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

Yes, neglecting complexity at a smaller level can result in confusion, inefficiency and challenges.

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

Clarity: The reader can easily understand the purpose and reasoning behind the code.

Simplicity : The code achieves its objective in an uncomplicated manner.

Concision : The code has a high ratio of relevant information to unnecessary noise.

Maintainability: It is easy to maintain and update the code due to its structure and organization.

Consistency: The code adheres consistently with the internet's broader set of coding guidelines.

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

Days, trying to fix a bug for the final project we had to submit and couldn't figure out how to let my search bar work as it should.
