DWA_01.3 Knowledge Check_DWA1

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

- It is important because it arises when developers build software to address business problems.

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

- It is caused by lack of proper understanding, education, training, and could also be caused by the poor communication between the business and software engineering.

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

- My common view upon JavaScript code complexity and maintainability is to use java script libraries/frameworks in order to reduce/handle complexity, and also it helps you to standardize the code, from where it results in an easier way to maintain it.

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

- Yes, cost, creating and maintaining a variety of elements can be significantly more expensive than using standardized ones, reducing an organization's efficiency.

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

1. Javascript - Adopting **standard** style means ranking the importance of code clarity and community conventions higher than personal style. This might not make sense for 100% of projects and development cultures, however open source can be a hostile place for newbies. Setting up clear, automated contributor expectations makes a project healthier.
2. The Airbnb Style Guide is made up of guidelines and best practices for developers so that they can generate high-quality code. It's available on <u>Github</u>, which is the world's largest and most advanced development platform. The style guide for Airbnb is one of the most popular style guides on Github today, and it offers a comprehensive guide to Airbnb code. It's introduced as "a mostly reasonable approach to JavaScript."

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

- According to my final project, the theme code took me, long time. Even today I do not know where I went wrong.

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