DWA_01.3 Knowledge Check_DWA1

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

Managing complexity in Software improves the quality of the code by making it easy to read, and consequently making it easier for other programmers to modify and enhance it if need be.

- 2. What are the factors that create complexity in Software?
 - Time Constraints and Deadlines
 - Poor communication and coordination among team members
 - Scaling
 - Unexpected Changes

- 3. What are ways in which complexity can be managed in JavaScript?
 - Consistent Naming Conventions
 - Grouping code based on their responsibilities.

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

Yes, Failure to manage complexity can lead to:

- Confusion
- Misunderstanding
- There will be a reduction in maintenance because Unmanaged complexity can make code difficult to understand and modify.

- 5. List a couple of codified style guide rules, and explain them in detail.
 - Capitalization of Headings and Titles consistency and clarity in the capitalization of headings and titles throughout a document or publication

•	Spell out numbers - spelling out numbers from one to nine and using numerals
	for numbers 10 and above.

•	Naming conventions - using descriptive names for variables, functions, classes
	and other code elements.

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

IWA 19, It took me a while to get the search button to work properly.
