

# DWA\_01.3 Knowledge Check\_DWA1

---

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

Well, code management is probably the most important thing when learning to code , from managing the complexity of other people's code, to building your own “code base” having the ability to break down the code to modules and isolate problems and bugs quickly .

---

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

Software engineering and software project management can be complex due to various factors, such as the dynamic nature of software development, changing requirements, technical challenges, team management, budget constraints, and timeline pressures

---

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

Code Style/ style guides

Global Constants,

Comments and documentation

Building things more modular, for reusability

---

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

Bugs and struggling to find them !

Technical debt

Programing evolving

Scaling , pricing

---

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

Keep your lets & consts together with each other,  
Maintain the same methodologies throughout your code, with regards to things like  
indentation, and descriptive variable names  
Keep it modular, and together in little modules and blocks  
Abstraction, understanding it and using it correctly.

---

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

Capstone project !! it the jumbled code was a literal nightmare, i would much rather try  
build something from the ground up, or at least use a framework or template that works

---