**Relevance of Cyclomatic Complexity when developing Object-Oriented code**

Schultz (2021) provides an explanation of Cyclomatic Complexity and examples. The examples provided elaborate on the depth or path complexity inside code to support the calculation of complexity.

![Graphical user interface, text, application, email

Description automatically generated]()

*Fig 1. Example code snippet*

The example in Fig 1 depicts a simple method but from this, we can calculate and demonstrate the level of complexity. The calculation from a code perspective can be summarised by evaluating the executions inside the function. The code contains 3 separate executions. Starting with an assignment using the parameters, followed by 2 logical branches that provide a response based on the inputs and concatenate a response value and finally return the assigned value of the variable. From a calculation point of view, this would be a 3 in complexity because of the paths within the function.

**References:**

Schultz, C. (2021) Cyclomatic Complexity Defined Clearly, With Examples. Available from <https://linearb.io/blog/cyclomatic-complexity/>  [Accessed 26 March 2023].