The Importance of Cyclomatic Complexity Today

McCabe (2003) points out that more complexity equals less security. If a test path is overlooked, the likelihood of being hacked is high.

In the last module, Object-Oriented -Programming, I elaborated on why cyclomatic is relevant.

Cyclomatic complexity indicates the number of possible execution paths through a piece of code. The higher this number is, the more complex the code is and the harder it is to understand. When it comes to testing code, cyclomatic complexity is the deciding factor in how difficult it is to test code. In other words, cyclomatic complexity is a predictor for assessing the difficulty level in testing code (Computing Department, 2022).

Therefore, I agree with McCabe's statement (2003). Without thorough testing, vulnerabilities can be overlooked and ultimately open the door to hackers.

References:

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