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CS-405 Secure Coding

8-2 Journal: Portfolio Reflection

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* Adoption of a secure coding standard, and not leaving security to the end

Adopting a secure coding standard is one of the many best-practices that programmers should use to make sure that the code they write is of the best possible quality and is safe and secure to use. Adopting secure coding standards is one of the things programmers can also do to make sure security is not left to the end.

* Evaluation and assessment of risk and cost benefit of mitigation

While every solution or system should undergo an assessment of risk and mitigation to prevent attacks, not every vulnerability is worth preventing as it would take more time and money to prevent than would be lost in the attack. This is something every programmer should consider when having their code evaluated for risk.

* Zero trust

The principle of Zero Trust works to ensure that nothing is assumed when writing software or setting up other systems. One should never assume that anything is as it seems or should be and should always prepare for the user being a malicious attacker.

* Implementation and recommendations of security policies

I plan to implement many of the above policies into my own work and personal projects, as well as introduce them to my work team to try and better the security of our product.