CS405 8-2 Journal Portfolio Reflection

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

A secure coding standard should always be adopted to make sure that everyone is following the same rules when it comes to making the code more secure. Following standards as a team will lead to better protected software that will be less vulnerable to attacks. By not leaving security to the end and prioritizing it early on, the software will always have security at the forefront of decisions that are made. It will help to not tack it on at the end which leads to many potential security issues.

**Evaluation and assessment of risk and cost benefit of mitigation**

Mitigating security risks is important. If there is a potential issue it will need to be fixed as soon as possible. This will most likely be expensive but will be worth it in the end because waiting for it will potentially cost more and damage the reputation of the company. Sometimes a problem will not need to be fixed immediately but should still be prioritized if it has the potential of letting attackers access sensitive information.

**Zero trust**

Zero trust makes it so nobody is trusted by default. It makes it harder for hackers to get into the system because they do not have a single easy way in. Every user must be authenticated which adds security to anybody trying to access the system. This makes sure that each person accessing the information is who they say they are and will decrease security threats.

**Implementation and recommendations of security policies**

Security policies should always be implemented to protect the whole of an organization and the people within it, as well as any users or customers that they may have. When deciding on security policies, the organization should look at what applies to them and emphasize that as much as possible. Some companies work with money more which should focus more on making sure that stays secure. It is recommended that a well rounded policy is looked at often and updated to make sure the information is current to prevent any potential issues.