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The adoption of good secure coding standards is very important for everyone. It can severely help in development time as certain vulnerabilities should already be caught in the beginning stages of development. Good secure coding standards should not leave security to the end. There should be consistent unit testing at every major stage of development to make sure everything is working as intended. Adopting good standards can help set up an outline for developers to follow so everything is done the same no matter who is coding it. This creates some consistency in the project and can help when debugging as there is a general understanding of what standards are in place.

Through this course I have learned to not only look at security from my perspective, but also from the perspective of potential attackers. To accurately evaluate the risk it is imperative to look at security with fresh unbiased eyes. It is easy for the developer to be defensive about what they wrote and that is secure. This can lead to things being missed in tests and when the project is deployed. Looking at the project from a potential attacker’s perspective it can show where they may find vulnerabilities. This can show where vulnerabilities have yet to be fixed. It can shed light on the possible cost of fixing these issues and they can be caught before they are even more costly.

Zero trust was a new concept to me, but I found it very compelling. I feel that zero trust should be the standard. Even though it requires more effort put into security I feel that it is the most secure way to protect a project. Trusting every inside traffic is naïve because hackers can easily gain access and cause damage that way. Every action should be scrutinized and checked to make sure nothing has been compromised. There should be zero trust on all traffic.

Implementing good security policies is necessary for a company to succeed. With bad security then the company may be compromised and that can ruin them. It is important to be as secure as possible to protect you and your users. While these implementations may cost more money in the short term, not having to save face after an attack will save money. Overall, a security policy can make or break a company. Having a good one almost ensures that your customers data is protected.