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**Explain what the following statement means as a best practice in secure coding: “Don’t leave**

**security to the end.”**

When one practices secure coding, they simply do not leave the practices of security to the end of the process. Secure coding practices allow one to apply the practices throughout the entire SDLC. From the design stage of addressing requirements, to the production stage and implementing Unit Tests or other test automation throughout each iterative portion of the program development will allow the developer to address issues as they arise. Addressing vulnerabilities as they arise will be more cost-effective and manageable to remediate.

**Describe the steps you can take to prevent threats.**

Prevention of threats should be a main focus throughout the entire SDLC. By keeping this at the forefront of one’s mind, one can ensure they are taking the steps necessary to develop a safe and secure product for the user. One way to help in threat prevention is to write small and test often. By writing small iterations of code and testing the small portions frequently, one can manage the vulnerabilities of bugs as they arise on a smaller level. This allows a developer to dig into the root issue and fix the problem at a foundational level.

**Provide one example that you can include in your Project Two presentation of how you plan to ensure that security is addressed intrinsically and not left until an issue is discovered—for instance, the use of unit testing.**

When looking into project 2, I must implement the new software security policy into a presentation. Throughout the presentation, I will provide examples of software security practices that have been implemented in previous assignments. One area in which examples will be used is the use of Unit Tests throughout the development process and production phase of the DevSecOps pipeline. By implementing test automation throughout, one can address issues as they arise. This will be a main point of emphasis throughout the presentation.