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7-1 Journal: Consider the Motive for the Attack

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**How will you apply this concept to your own practice?**

Hackers act under many different motivations, including financial gain as the most popular reason cybercrimes occur, reasons may also include basic bragging rights, curiosity, revenge, challenge, boredom, vandalism, espionage, blackmail, extortion, and sabotage. The attack can happen in different ways, it is crucial to secure data through encryption, ensure there is firewalls and strict security policies in place, and ensure employees are trained to raise awareness of phishing attempts.

**How would you explain this to a new developer on your team?**

When a new developer joins the team, it is important they understand the importance of secure coding, ensuring the development process helps guard against the introduction of security vulnerabilities, bugs, logical flaws, and resulting in less opportunities of exploitation. When explaining the concept of secure coding to new developers it is important to mention historical examples of hacks, what allowed them to happen, and what impact it had on companies and its users. Secure code is about protecting a system and its data from unauthorized access, the same way the doors and windows of a building are locked at the end of the day, how there are security systems in place that will alert operators of any suspicious activity.

**What is one example of this concept you can use in your final reflection in Module Eight?**

Examples of the concept for the final reflection could include comparing physical security features we use daily to digital security technologies currently available. Staying informed and ensuring systems are running the latest updates help ensure systems are running the latest security features available. Ongoing tests while programs are being developed allows for ongoing checks to decrease bugs and vulnerabilities. Additional tests can be performed by penetration testing where brute force attacks can be attempted to ensure the program is tried in most ways.