# **8-1 Journal**

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CS-405-R1910 Secure Coding 23EW1

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I have come to appreciate the importance of secure coding and its implementation from the start of a project during this course. In this Reflection, I will summarize the key topics we have covered, and I have learned.

It is evident from extensive research that security should be treated as something other than an afterthought in software development. By integrating a secure coding standard from the beginning, we can ensure robust software development and save time, resources, and reputation in the long run.

The course materials emphasized the significance of evaluating and assessing risks associated with software development. By comprehending potential threats, we can make informed decisions on the cost-benefit analysis of mitigation strategies. It is not just about eliminating risks but managing them efficiently in a way that aligns with organizational goals.

The concept of Zero Trust is a game changer in the digital world. It means that trust is never assumed, neither within nor outside the organization. With the increasing number of cyber threats, verifying and earning trust is crucial. This ensures that access is granted only to those who need it, and that security is always maintained.

**Evaluation Overview:** For each journal assignment, I have strived to meet the rubric criteria by reflecting critically, implementing secure coding best practices, and clearly articulating my response.

**Critical Reflection:** I have analyzed each topic and established connections between the course materials and real-world applications.

**Secure Coding Best Practices:** I consistently advocate for integrating best coding practices to ensure software security.

**Articulation of Response:** I have strived for clarity and coherence in my articulate and evidence-based responses.

To conclude, this course has played a vital role in transforming my outlook towards software development while highlighting the inseparable connection between coding and security. It has been a journey of constant learning, and I am excited to put into practice the knowledge gained from this course in my professional pursuits.