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CS499  
Milestone Two

My artifact for the Software Design and Engineering is SQLInjection. The SQLInjection artifact focuses on preventing SQL injection attacks, a type of security vulnerability where hackers manipulate inputs to execute malicious SQL queries. I created this artifact during my Secure Coding (CS405) class. I selected this artifact to showcase my skills in secure coding, which is an important skill for software developers. It shows my ability to identify and fix security risks like SQL injection and highlights the need to write code that prevents potential vulnerabilities. The artifact was improved through feedback from my professor, which helped me make my code more secure. I did not submit any work in milestone one, but I plan to meet the course outcomes in the upcoming modules. I can’t really reflect on enhancing or modifying the artifact as mentioned earlier that I did not submit module one. However, I can share more on what I learned and challenges I faced while creating it. I learned that developers must write code with security in mind while also being efficient and aware of potential vulnerabilities. As a new developer, I initially didn’t consider security, data efficiency, or potential risks when writing code or building projects. These were challenges I had to overcome while working on this artifact.