Milestone Two – Narrative

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CS-499 Computer Science Capstone

March 19th, 2021

**Briefly describe the artifact. What is it? When was it created?**

This artifact is the final project from IT-145 which is an authentication system that is a simple project that has a local credentials text file containing account data both with hashed passwords and raw strings. This artifact was created in August 2019 by me.

**Justify the inclusion of the artifact in your ePortfolio. Why did you select this item? What specific components of the artifact showcase your skills and abilities in software development? How was the artifact improved?**

The rubric for the final project listed the various classes that contained projects that would satisfy specific categories. The IT-145 final project satisfied two of the three categories. This project was simple in its scope which makes it easy to increase its complexity while maintaining a lot of the concepts I have learned since it was created. This project showcases my skills to write clean and easy to read code as well as documentation and naming conventions.

**Did you meet the course objectives you planned to meet with this enhancement in Module One? Do you have any updates to your outcome-coverage plans?**

Yes, I believe this enhancement achieves its goal to increase the complexity of the authentication by adding role specific menu options and handling those options is protected if you aren’t the role to access respective options. The options given in the role based menu are simply placeholder to show they work but have no actual logic added to them. If I were to update further, it would be to add some options that would make sense based on the role of each user.

**Reflect on the process of enhancing and/or modifying the artifact. What did you learn as you were creating it and improving it? What challenges did you face?**

The main challenge of performing these enhancements was to think of all the things I have learned since this project was written and trying to write those new skills and concepts into my enhancements. A lot of those concepts and skills were cemented when I created my code review earlier in this course as well as a coding standard assignment that took place in secure coding parallel to this class for this final term.