Savion Peebles

Professor Alesso

CS-499

11/15/2024                                   Milestone Two

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

   The artifact I chose to work on for my first enhancement was a pet class that was originally introduced to me during a project in IT-145 which I first took when I started my computer science journey at SNHU. It was made for a pet check in project and would use set and get functions to obtain information from users about their pets and their stay at the kennel.

2. **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?**

   I chose this artifact for my ePortfolio because it was something that had previously given me issues when I first worked on it. Now that I have developed my skills as a programmer this program seems rudimentary, I figured the best way to showcase those skills was taking the JavaScript file and converting it into Python. There were many details of software engineering and the design process of it including things like pseudocode and flowcharts. This seemed like a great place to start the end of my journey because it was close to where I started it.

3. **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 that I did exactly what was needed to meet my course outcomes when remaking this program, I will have to make an update to my outcome-coverage plan stating that my new enhancement of taking my JavaScript program and converting it to python has been complete. Making this change led to the program being slightly faster than the original version.

4. **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?**

   While doing my enhancement it dawned on me that programs can be written in many different languages but typically a language is chosen for a reason whether its for functionality or usability. The biggest challenge I faced while making this enhancement was the syntax changes that needed to be made when switching from Java to Python. Python is extremely smooth and efficient so making the change was fairly easy besides those small things.