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

The artifact I chose was from the CS 320: Software Testing, Automation, and Quality Assurance course taken in October of 2024. The program was created with the intention of displaying debugging and test cases in Java programming. The program allows the user to enter appointment, contact, and task information with different parameters for each input.

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 selected this artifact because I wanted to showcase my ability to implement different data structures and algorithms into a program. The original program made use of Java's HashMap functionality, and although Python does have dictionaries, the use of Linked Lists increases functionality.

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

I changed the artifact I had planned to use. Originally, I had planned to use the Android App created in Mobile Architecture and Programming and implementing a linked list to hold data better. I ended up changing my plan because that program makes use of SQLite, which would handle all data handling. However, I still ended up implementing a linked list. Reflect on the process of enhancing and modifying the artifact. What did you learn as you were creating it and improving it? What challenges did you face?

I learned that I need to pace my timing better. I thought I knew linked lists much better than I really do after attempting to implement one. I look forward to being able to finish the implementation and improve the program as a whole.