Milestone Four Narrative

My third artifact is PyMongo code that I wrote for a class on MongoDB, and it falls into the database category. The program uses PyMongo to insert one document into MongoDB. I selected this artifact because it falls into the database category, and I saw an opportunity to add functionality to the program. The part of the artifact that shows my software development skills is the added functionality allowing the program to insert a list of documents into MongoDB, instead of inserting just one document. This is how the artifact was improved. I added a new function that can insert many documents at once, and also added comments to the code. The function uses a try-except statement to catch any exceptions that might be thrown, and the program is scalable and can be used to support collaboration.

I successfully met the course outcomes of CS-499-01, CS-499-04, and CS-499-05 that I outlined in Module One. I did not have any updates to my outcome-coverage plans. Enhancing this artifact was a good reminder that it is important to anticipate software errors and build fail-safes into code. My original program also did not have any comments, so this was good practice in commenting code. I also practiced building a scalable program that can be used to support collaboration. I did not have any challenges while writing this code.