1. Briefly describe the artifact. What is it? When was it created?
   1. This artifact was created for my Client/Server Development class. It was a Jupyter Notebook Application that worked with a database to display data on different dogs and cats in an Animal Control Database. It was created in September 2024.
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?
   1. I chose this artifact because it was in a different language, and I thought it would be a good place to show some database operations. I created a backup function to back up the database and do it on a weekly basis, as well as the enhance\_database, which adds indexes to speed up querying for data.
3. 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?
   1. This one doesn’t show enough in terms of any one outcome to say this enhancement demonstrated something effectively. I tried to include regular backups to the database and querying improvements, but I feel it isn’t intuitive enough to say I completed any objectives. I think there are additional improvements to be made to this, such as including other mechanics of adding more animals, removing animals, and more advanced statistics per animal. I think those enhancements would further improve the demonstration of the objectives.
4. 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?
   1. Again, I think I wasn’t thorough in my planning for this one, which made me lose sight of everything I initially planned for it. I think that’s the biggest challenge I faced, as you can implement something you don’t remember you want to implement. I continue to learn that the planning and design of systems are crucial in the development life cycle, and without it can cause much-unneeded stress to the whole thing, as well as potentially missing the actual goal of the enhancements in the first place.