1. Briefly describe the artifact. What is it? When was it created?
   1. The artifact is an Android app that is designed to be a weight tracking app, with independent user logins, weight tracking and goal weight tracking functionality. This artifact came from my mobile app architecture and design course and was developed around late 2023. The app is supposed to feature things like a multi-tabled database, unique user registration and optimized data structures, and functionality.
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 selected this item to be part of my ePortfolio because it was something unique and shows that it requires time and effort to create. It allowed me to encompass a bunch of different unique but required skills such as database management, secure coding standards, as well as optimized data structures, and functions. I think the dbConnector is probably the best in terms of showing those skills, as it encompasses encryption for password storage, database management methods, and different data structures and algorithms. The artifact was improved, as I didn’t include secure coding standards within the original project such as password encryption, also the consistency of readability has improved from each file as they are now properly commented to explain what is going on throughout each class.
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. I think I met some of the enhancements planned out in Module One. Reimplementation of the database would probably be the next step to fully completing the planned enhancements, as I’d love to move it to something other than SQLite, and then off that, I would be able to include different user roles in a better way, as well as completing the SMS verification steps, that I wanted to include.
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. While enhancing and modifying my artifact, I’ve learned that when it’s done right the first time, it makes it ten t times harder to upgrade it in the future. From a lack of clarity from design choices, or why I chose to implement things the way I initially did. It became difficult to figure out where to start in the enhancement. I learned maintaining readability and clarity in the code is vital, for future development and other developers to be able to work on a project together. Without this, it becomes painful process of just understanding what the code is trying to do line from line, and that was my biggest challenge in this. Just interpreting my own code after not looking at it for so long.