This artifact has to do with the course that I took known as CS 360: Mobile Architecture and Programming. This artifact has to do with my fundamental understanding of databases along with the implementation of database manipulation within an android phone application. It allows the user to log in via a unique account and pull data previously saved but also allows for new data to be saved that has to do with the weight the user inputs. So, it tracks the weight of the user as a weight tracker app. The user can add, remove, edit and receive a text notification if they’d like whenever their current weight is lower or higher depending on the specified goal.

This item was selected because I thought it would be a good way to showcase the use of a database within a real-world application. The entire artifact showcases my skills and abilities in databases. The artifact was improved by properly updated the weights when they are added, removed, and edited.

According to the following course outcomes of:

1. Design, develop, and deliver professional-quality oral, written, and visual communications that are coherent, technically sound, and appropriately adapted to specific audiences and contexts.
2. Design and evaluate computing solutions that solve a given problem using algorithmic principles and computer science practices and standards appropriate to its solution while managing the trade-offs involved in design choices.
3. Demonstrate an ability to use well-founded and innovative techniques, skills, and tools in computing practices for the purpose of implementing computer solutions that deliver value and accomplish industry-specific goals.

I believe that I have hit the mark for each of these outcomes individually.

I believe the most important thing I have learned has to do with how difficult mobile development is and I think I won’t underestimate just how difficult it is and believe to have developed a newfound respect for mobile developers because the nuances are just amazing. The most challenging thing I faced had to do with properly updating the list of weights when they were being added and removed because editing wasn’t difficult at all, but with the other options there need to be a UI update immediately whenever a weight was added or removed. This proved challenging because I had to determine exactly where this needed to be done within the mobile environment.