Enhancement Three Narrative – Databases

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

The artifact I’m using is the same throughout all ePortfolio work in this course - the weight tracker application created in the Mobile Architecture class.

**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?**

This application had a very simple database previously. I wanted to show that I would be able to improve and create a more robust database. With this update, I added the delete and edit features throughout the database, as well as allowing for data to be stored under multiple usernames as shown in the video. Now whenever a new user is created, the information that user logs is stored in the database and can be accessed upon their next login.

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

The main updates I have are that in addition to the database changes, I also improved on the user interface and overall look of the application a bit more. I also added additional Toast messages (confirmation of edits and deletes) which allows for users to see that the changes they are trying to make were successful.

**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?**

The one thing I struggled with most was allowing the database to store information for more than one user. Once I got that figured out, it was much easier for me to implement the edit and delete options. I feel like this helps make the application a more user-friendly one.