The artifact that I used for this enhancement was an event tracking app. I created it when I took Mobile Architecture and Development last fall. It is an app that allows users to keep track of events and their dates. I selected this item because it is one of the most complex projects that I had to choose from. I believed that I would benefit more from working on this project than by working on a simpler one. The very premise of this app (keeping track of events) is built on a need for data control. Previously, the app was constantly reading and writing from the database. This enhancement has made use of a data structure, specifically a Linked List, in order to reduce the number of times that the app reads/writes to the database. This improves the efficiency and security of the app.

I met the course outcomes that I planned to meet with this enhancement. I do not have any updates to my outcome-coverage plans.

The most significant thing that I learned during this enhancement was how badly it was needed. As I was modifying the artifact, I kept finding more and more places where the database was being read from and written to. This meant that there were a lot more changes that I needed to make to the code than I anticipated. While this made the enhancement more time consuming, I did not encounter any significant challenges.