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CS499

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Milestone Three Narrative

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

My artifact is a weight-tracking mobile app that I coded in CS360 during 2025 C-1 (Jan - Mar).

1. 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?

I selected this item as it struck me as a project that I could enhance and improve. I believe this mobile app is one of my best coding projects so far, as it shows off my coding knowledge gained thus far. Specific components that showcase my skills and abilities in software development are database functionality, UI/UX skills and Java/XML/Android Studio knowledge. The artifact was improved with the addition of a meal tracker alongside the weight tracker. This week, I perfected the algorithms and data structures in the app’s code, added a calorie tracker, and added a scroll function to the meal RecyclerView.

1. 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?

I met course outcomes 2, 3 and 4 this week by adding a calorie tracker, perfecting existing algorithms and data structures, and adding a scroll function to the meal RecyclerView. These were the course outcomes I planned to meet this week, and I plan to meet the other course outcomes in the following weeks of this course.

1. 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?

This week, I worked with Java libraries that are new to me (Java’s SimpleDateFormat, Date, and Locale libraries). These libraries allowed me to add a calorie tracker that takes all meal entries from the current day’s date and adds them to the total calories for the day. I ran into no errors or challenges this time around, thankfully!