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

The artifact for this portion of the project is the *ScaleSage* weight tracking mobile application. It allows the user to set a goal weight and track their weight over a period of time with a visual line graph to display progress. It was created earlier this year in April 2024 for *CS 360 Mobile Architect & Programming*.

**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?**

The project displays user-centric design and database integration. The app allows its users to track their weight, set a goal weight, and receive SMS notification upon reaching their goals. *ScaleSage* demonstrates practical implementation of real-world functionality.

The project highlights abilities in modern Android development using Jetpack Compose for UI design and navigation. Improvements involved including modularizing components like GoalWeightInput and WeightEntry, updating deprecated APIs, and further refining the UI with consistent theming and layouts. Features such as SMS notifications and data visualization with line graphs demonstrate integration of external APIs and an emphasis on dynamic user experiences.

The artifact was improved by refactoring for modularity, integrating modern Compose features, and adding enhanced data visualization and error-handling capabilities, elevating the overall user experience.

**Did you meet the course outcomes you planned to meet with this enhancement in Module One?**

Yes, this enhancement involved a focus on UI design, data visualization, and error handling. The interfaces of ScaleSage were bettered for with the users in mind regarding interaction and feedback.

**Do you have any updates to your outcome-coverage plans?**

At this time, I don’t have updates to the outcome-coverage plans. The enhancements implemented align closely with my original objectives from module one, covering key aspects such as UI/UX design, data visualization, and error handling.

**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?**

Enhancing and modifying the artifact taught me the importance of balancing innovation with maintaining original functionality. It has also taught me the importance of establishing a time frame to work within a set of realistic goals. I think in the future I should tighten up my exact enhancements and keep the process more focused. I also struggled far too long with the Android Studio IDE being out of date, causing issues with getting my project running. Checking for updates within the IDE solved my problem, though it would have been nice to have been prompted that a large update was required.