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

Inventory Management App Proposal is an app proposal that will help firms to effectively manage and monitor their inventory. I designed it as part of the CS 360: Mobile Architecture and Programming course where I first came up with the original proposal of the application of the app, its features, and the technical specifications. The artifact has facts like user roles, designs for the interfaces, and backend.

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 have selected this artifact for my ePortfolio because it demonstrates my ability to plan and propose a mobile application with real-world applications. The proposal demonstrates my understanding of mobile development concepts like UI/UX design, database management, and API integration for creating mobile applications.

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 plan to address the course outcomes in mobile app architecture, user experience design, and backend integration. My enhancements are a more robust app structure, a real-world feasibility study, and improved feature implementation strategies. In Module One, I was able to increase the technicality of the artifact, so no major changes to my outcome coverage plans are needed.

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?

I learned the importance of code documentation for maintenance, app scalability to meet future growth, and adherence to mobile-friendly UI/UX design guidelines along the way. Of these, some of the hurdles were ensuring the platform was compatible, feature or performance prioritization, and security concerns around storing inventory information. These were the challenges that made my technical abilities more grounded and endowed me with more expertise in developing mobile apps.