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

In this enhancement I worked on changing the quantity and SKU from a string to a integer type. This also required use to rethink some of our logic and add value.of(SKU) so that the values are pass through as an integer for those fields. We also added comments in our code to describe what is happening in each of the functions.

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 algorithms and data structure? How was the artifact improved?

The decision to include this into my ePortfolio is based on data structures. I originally was going to use the application for our Austin Animal Center but realized that my inventory app also dealt with data structures and algorithms. Structuring the data in a database is one of the primary reasons why I chose this application.

1. 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?

I feel like this enhancement meets the course objectives. My updates do overcome the plans and challenges of the state in which my application was in prior to doing the updates. It shows my ability to employ strategies as well as design and develop professional code to meet my applications requirements.

1. Reflect on the process of enhancing and/or modifying the artifact. What did you learn as you were creating it and improving it? What challenges did you face?

When I went to start enhancing my code I though it would be a simple task, but it turned out to be a little more complex than expected. To start with when I changed the value from a string to an integer, I started getting errors in numerous other functions. Those errors were caused by the wrong parameter being called and the function not matching the systems flow. So, I had to go back and update those scripts to function as intended by adding more logic.