**Software Engineering Narrative 2**

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The CS-360 Mobil Architecture and Programming project provides a perfect starting point for application enhancement. This application provides proof of concept so users can see what an inventory app can do. The application also uses a database. For the application to be useful, it needs some enhancements such as a publicly accessible database and search functionality. The enhancements that are needed also add security concerns that were not originally present in the application.

The categories that need to be addressed for the project include software engineering, algorithms and data structures, and databases. My plan to move the database to a publicly accessible location touches on the software engineering and database categories. This week I was able to finish the rest of the business logic for the REST API.

This week was slightly more difficult than I anticipated. I believe that I showcased my skills in reading documentation. There are several nuances to each method in the Boto3 Python library. For example, the documentation for the methods have a list of parameters. They also make note of which parameters are required. I found that I had to use some of the parameters that weren’t required. This could be due to the way in which I was trying to use the method, or a lack of proper explanation in the documentation. At one point I was very unsure at what I needed to try, so I had to look at other resources online. Eventually trial and error while using CloudWatch helped me solve the problem.

I was not able to get as much done as I would have liked, but I have got myself in a good spot. The rest of the work that I need to do will be in Android Studio. I simply need to connect the front end to my new API. The data structures for the inventory items are already set up. It will just be a matter of creating a new module to bring the data in from AWS, and creating the search functionality.