5-2 Milestone Four Narrative

For this milestone I used the current artifact, the bid program previously used, to meet the database enhancement requirements. This artifact was created about two years ago and was incomplete at best. I chose to use this artifact for the database category as I felt that it was the best candidate to meet the datamining enhancement that I planned to do.

By allowing the user to display the lowest bid, highest bid, total number of bids, average mean of the bids, and the highest and lowest bidId I feel that I was successful in showcasing my skills and understanding of databases/data mining. I think that I was successful in accomplishing my enhancement goal for this category due to the code being fully functional.

The biggest takeaway from this enhancement was that if not careful, it is possible to write code in a way that makes it fully functional but still performs incorrectly. What I mean by this is. throughout this enhancement I ran into several bugs that needed to be resolved. The biggest one being an error in the data format that turned any number, that had a thousands place, into a zero. It took me a while to identify the error in the data and correct it. It was simply the column not being formatted for numbers correctly. I also ran into errors that severely skewed the average mean of the bids. By running the program using a substantially smaller sample set of data I was able to pinpoint and correct the errors that I was facing. It simply was an algorithm error on my part. It was functional just not correct. If this was for a client I would have cost them a tremendous amount of money due to my algorithm being off, even by a small amount. This week I needed extra time to complete my enhancement but I wanted to ensure that I was correct before submitting it.