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CS 499

5-2 Milestone Four: Enhancement Three: Databases

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

The artifact I am using for Databases would be my Jukebox application from my CS 310 class. It is a team collaboration project that was created a few years ago by my professor and each of his classes all collaborate together to make a jukebox.

2. 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 selected this artifact because it reminds me of a database because we each had to create our own login profiles and our own song playlists. We had to use songs from our classmates' albums and add our own songs to make our own playlists. We have our own java files where each musical artist is stored and we have multiple java files that store what song to play and by what artist.

This artifact improved by collaborating with all my classmates because we were able to do code reviews and help each other fix any mistakes, typos or errors in our code. They also were able to help make the code run more smoothly and efficiently. The skills learned in this development would be showcasing how you can create login files to then link to your own personal playlists.

3. 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?

When I first began this assignment, I really struggled with getting the Jukebox to work properly without any errors. I could not get the code to run with the JUnit. I tried on 3 different

computers and restarted my code completely over 6 different times. After multiple attempts, I finally got the code to work at 11pm one night. I was happy and from then on, I added my profile, I added my songs and artists and it was successful.

4. 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?

After my multiple attempts at trying to get the jukebox to work, another struggle I faced was getting my profile to match my login information. When I first put in my login information, I put my information at the top of the code lines instead of at the bottom. This caused my information to match with another classmates. After a few minutes of reviewing the code, I found my mistake. I re-ran the code and my profile matched perfectly.