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CS-499

11/29/2024

## Enhancement Narrative

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

The artifact I chose to use in for this enhancement was a file from CS-340 where I worked with both a book collection and an animal database. This project originally had a csv file with the listed data that would be needed for my file. The file itself is not very big, so I had to figure out a new way to make it more advanced to show my skills. The original file I had used was from CS-340 where I had used some libraries and frameworks, I figured I could use here with the help of the CRUD operations.

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 included this artifact in my portfolio because it seemed like a good chance to showcase my skills with something I am not as comfortable with in my programming journey. I had very little experience with MongoDB prior to this project so it felt proper to drill this idea home. The artifact was improved by taking new data and plugging it into the program whereas it had originally been used for an animal shelter and is now a book database.

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?

I feel like I have done a good job making sure that I met the outcomes originally planned for this enhancement as they match what I had said I was going to do. By using the database, storing and requesting data it improved my overall comfort and skill with this product.

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?

The biggest problem I faced while working through this enhancement was making sure that my database was correctly connecting to my file, there were a variety of issues such as adding some authentication for the MongoDB. The biggest thing I learned was that planning will make a difference when it comes to making enhancements in a project or just working with a project in general. If I use pseudocode and flow charts in my preparation phase it will make my job a lot easier in the long run.