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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?**

I have chosen to enhance an assignment Advanced Querying and Creating Full-Text Indexes. It was created in October 2020 for my CS 340 class. This assignment shows the use of the mongoimport tool. I will list the step-by-step instructions to retrieve the information requested from the individual questions. I will also supply screenshots to show my steps and the actual results of my inquiries. I will be adding to the original assignment more advanced queries, in which I will create a database, us the MongoDB shell to create an index and create a RESTful API to showcase a summary of data.

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 software development? How was the artifact improved?**

I feel the chosen assignment shows an excellent understanding of databases and how to use and retrieve information. This assignment, including the enhancements showcases my understanding how to manage a database. I have selected this item because in the real work I will be given tasks like what I have demonstrated, a database is a house for information and creating an inquiry is a way to retrieve the information. Showing how to create a database and an index is a great way to improve the original artifact.

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 the original assignment and the enhancement meet the course objectives because it shows I have the knowledge of how to create and implement inquiries to manage a database. I am limited to only being able to show screenshots of the different scenarios because do not have access to the databases or the programs I used in previous classes; however, I still feel the assignment I submit completes the course objective because with the screenshot I will be supplying a detailed step-by-step commentary regarding what I am completing and the why behind my steps.

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?**

The main challenge I faced was picking what I would like to showcase, which I think would be sufficient to prove my understanding and showcase the best of my abilities. Giving a detailed step-by-step I feel was the best way to show my understanding of databases. I really enjoyed creating queries and maintaining databases and I am hoping in the future I will be able to utilize my new skills more. The original assignment was about advanced queries, so it took some time to find what I wanted to add for the enhancement because I wanted to make sure the new enhancements showcased something completely different from what the original assignment was about.