Enhancement Three

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

The artifact for this enhancement was created in 2020 and is an additional add-on from a previous build in the last module. This is a search type program that will reference various resources in a database built on Java and SQL. For this artifact I added the ability to connect to the SQL database and pull resources. Connecting to the SQL database will list out when the user is connected and not connected and will pull on resources like usernames and passwords.

B. 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 item because it’s definitely something that is anything for me. Databases can be challenging and tricky especially pulling and pushing to one. I’m working on this resource database to connect to this SQL database and to be able to create and update information. I believe having this in my ePortfolio will show off my ability to work in SQL database environment and the ability to create an outward facing user interface.

C. 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 believe I’m at the course objective in the plans mentioned in module one. In module one I was torn between MySQL and Mungo DB of those I chose MySQL. This database will be able to utilize the crud process.

D. 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 process for creating this was very difficult and still has serious issues that I’m working out. I’m using a local SQL server that it connects to and should have no difficulty setting it up connect to set up a test user list there are definitely variables that I’m working to complete and the code is not clean. As I progress through this course in the coming modules I will be cleaning up my code and ensuring that it is functional with reference texts so that if a user wishes to try the application that they will have that ability. Again I believe that I bit off the lot in this project maybe it was from a misunderstanding in the milestones but I’m happy that I’m working on it and believe that I’m on the right track for completion.