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Computer Science Capstone

CS 499 20EW4 Milestone Two

Enhancement One: Software Design/Engineering

A.Briefly describe the artifact.

**What is it?**

This Artifact is basically an application similar to the well known “Instagram Application/Linkedin” clone app that includes a sign-in, sign-up, database, as well as some secure coding to protect user info, who’s main purpose is to display a Users specified skill to a potential employer.

**When was it created?**

This application was created in September of 2019 for my CS360 Mobile Architect &

Programming course.

B. Justify the inclusion of the artifact in your ePortfolio.

**Why did you select this item?**

I selected this Item because it meets the requirement of Category One: Software Design and

Engineering which simply states to consider improving a piece of software.

**What specific components of the artifact showcase your skills and abilities in software development?**

It would be to develop a functional application using Java and Android, and also adding secure coding enhancements such as preventing sql injection and setting maximum limit for password input.

**How was the artifact improved?**

The Artifact was improved by adding more comments, removing some repeated functions, and finally will be updated with secure coding techniques mentioned before.

C.

**Did you meet the course objectives you planned to meet with this enhancement in Module One?**

Given the situation with the Covid-19 pandemic and I am working my best with the more time I now have available to accomplish what I planned in Module one before the deadline.

**Do you have any updates to your outcome-coverage plans?**

As of now I am planning to continue with my first objective while incorporating Category Two:

Algorithms and Data Structure with my “skillz” application.

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**

As I was working to improve the artifact, I realized that given the amount of time since I last worked on it in September and with what I have learned, I am pretty much rebuilding the application with the improvement added on. The challenges I faced was more external than internal, I have confidence that I can make it work.