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3-2: Enhancement One: Software Design & Engineering

CS-499

Southern New Hampshire University

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

The artifact chosen for enhancement in software design and engineering is the CS-330 3-2 assignment. This artifact was originally submitted in October of 2024. Within this assignment, the student was asked to replicate a given using Microsoft Visual Studio in terms of translation, rotation, and size.

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?**

This artifact was chosen for the ePortfolio because it was submitted before the introduction of textures and shading. This assignment was chosen for enhancement to show the variations of what the student was initially required to do versus what the student was able to do by the end of the semester. The artifact was improved to include textures and lighting.

1. **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 believe the course outcomes were met with the enhancement of this assignment. I set a plan to demonstrate the addition of textures and lighting to an average graphic design assignment and followed through with my plan. The only updates to the outcome coverage plans are to be able to find a solution to the errors that show within the code which I believe to be stemming from an uninstalled extension.

1. **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?**

While enhancing the artifact, I realized that there was a lot that was learned in CS-330 and that it can be applied to future career choices/projects. The challenges I faced during the enhancement were the stress and confusion as to how to get the assignment to function properly. I conducted research online to find videos and guidelines referring to previous assignments to see if I could start at the initial setup of the class and incorporate that into my Microsoft Visual Studio but was not successful. I had downloaded the final project from the CS-330 class to see if there was something wrong with my application, however it launched successfully in terms of the final visual. The coding however still showed errors, so I am unsure as to how to proceed in regard to completing a fully functioning enhanced assignment.