**3-2 Milestone 2**

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

* This artifact was originally I spreadsheet I used to calculate the total daily pay at my job. I’m a truck driver so it would take the day of the week, the hours worked, the miles driven, and your pay rate. Then it would use that data to calculate your total weekly and daily pay. I’ve converted that spreadsheet into a C++ program that can store the data. Now I can compare my pay every week!

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 selected this artifact because it could demonstrate how I can store data in array and use that data to make calculations. This artifact also shows my ability to adapt an idea like the one in my spreadsheet into a functional program. The artifact is improved because now it can store data across many weeks even after you close the program.
2. 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 think I did meet the objectives I set for myself. I even put some error handling in the code so that it only allows you to enter numbers and decimals for the pay calculations. Initially it would allow for letters, and this would cause the pay calculations to be incorrect. I successfully converted the spreadsheet to a program which was my main goal. I think there is still room for improvement, especially in the user interface, but this is a great starting point!

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?

* I learned how to turn a spreadsheet into C++ code, sort of. I learned how to store data in a text document using visual studio code 2019. I learned a little bit about error handling and text validation for the prompts. The biggest challenge I faced was finding a way to store the data when the program closed.