Milestone Four – Narrative

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CS-499 Computer Science Capstone

March 30th, 2021

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

This artifact is a simple leaderboard written in PHP and HTML. The leaderboard pulls data from a database to satisfy the requirement for this portion of the final project. The project was created on March 30th, 2021.

**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 simple artifact is designed to demonstrate my ability to create a interaction that involves a database and a programming language such as PHP in this case. This item was selected primarily because I had written something similar when I was younger. This artifact was not necessarily improved as it was written for this assignment however, it was improved from the first time I wrote this code as it now contains simple annotations to explain the code.

**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?**

This artifact should meet the course objectives by its interaction of pulling data from a database and displaying it on a web page. There are no immediate plans to make further enhancements to this artifact however, if I were to add more complexity to this artifact I would start by adding a search feature and some styling using CSS.

**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?**

This artifact brought me back to the first time I wrote something like this, it was a fun trip down memory lane while also providing me the opportunity to improve upon it with my experience I have gained since I wrote it the first time. The goal of writing this artifact was to create a very simple yet effective version of a leaderboard which you might see at an arcade without any styling to make it as raw as possible to create a foundation for future iterations.