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Module 7-1

A. Discuss how completing your coursework throughout the program and developing the ePortfolio has helped you showcase your strengths, shape your professional goals and values, and prepare to enter or become more employable in the computer science field.

The program at SNHU helped massively in the development of my skills as I originally had no prior knowledge, no projects made, and an overall unawareness of Computer Science. By taking the various classes and learning about the vast material within the program, I had adopted many skills that will aid in future endeavors such as: The ability to code securely, using unit, static, and dynamic testing; the ability to plan a project through pseudocode, the development lifecycle, and roles within project making; and the ability to have an understanding of the vast amounts of languages such as SQL, Java, C++, Python, and more. The ability to show improvement over the past couple of years, from knowing nothing to having a strong grasp of many concepts, displays the strength of willingness to grow and improve. Beyond this, specific skills, such as utilizing the development lifecycle or learning about ideas such as CI/CD, enable collaboration with a team. The ability to plan, assess, and determine a goal from the viewpoints of stakeholders and customers enables projects to be built with readiness for success. The ability to display my code skills through the enhancements highlights how I work with different environments and provides a flexible role for employers.

These broad skills and improvements allow me to take the next steps, either through

employability or through solo projects, which allows me to become more employable.

B. Summarize and introduce how your artifacts fit together and inform the portfolio as a whole.

The projects displayed within the ePortfolio demonstrate examples of my ability to code

and the improvements I have accomplished over the course of my schooling. While these

artifacts may not demonstrate the highest level of coding, they do showcase a vast range of skills

with solid foundations. Firstly, enhancement one highlights the ability to display data to a viewer

using innovative tools. This artifact was created using Javascript/React and contains a fully

functioning table that allows a user to sort, search, and filter data. Secondly, enhancement two

highlights the ability to work with algorithms and data structure as it provides a well-rounded

ability to manipulate and store information which allows users to either undo or redo actions.

This enhancement was similarly done with Java/React. Finally, enhancement three is a solid

example of a MERN application as a user can connect to a database, the information to call

actions between the front and back end, and by allowing authorization to be enabled as only

logged in users can manipulate data. Ultimately this ePortfolio should demonstrate many skills:

The ability to employ collaboration, through both the comments in the code, the various

narratives, and the open-source projects; the ability to communicate professionally, through the

code review; the ability to design computing solutions using algorithmic logic, through the

undo/redo stack; the ability to demonstrate well founded tools to deliver value, through the React

page; and the ability to implement a secure mindset, through the login and safe coding practices.

There are still improvements needed in each project, such as increased modularization in enhancement three, but regardless, it highlights my ability to create strong projects.