Ernest Louis

Computer Science Capstone 20EW4

7-1 Final Project Submission

Professional Self-assessment

**A. Discuss how completing your coursework throughout the program and developing the ePortfolio has helped showcased your strengths and shape your professional goals and values and prepared you to either enter or become more employable in the computer science field. Use specific examples from your program and include examples outside of the artifacts included in your ePortfolio. Please address following topics: collaborating in a team environment, communicating to stakeholders, data structures and algorithms, software engineering and database, and security. Note: This should function as an overall introduction to your skills and you will become more specific relative to the included artifacts in the next section.**

Completing my coursework throughout the program and developing an ePortfolio has helped me showcased my strengths by allowing me to materialize my skills in a platform that will be easy to navigate for potential employers. This will in turn shape my professional goals and values by giving me the opportunity to better assess where I am currently leading me to make effort to enhance my current skill sets to be more proficient. This program as a whole with the projects to where I am now has prepared me to enter and become become more employable in the computer science field, especially with all the provided resources. When is comes to collaborating in a team environment, learning about techniques such as Agile SCRUM methodology I find to be effective in term of keeping up with organization all while having continual progress. For my second submitted artifact, it is based on a website I am working on for a client, I find that communicating with stakeholder to be a delicate endeavor because meeting expectation in regard to timeline for completion is crucial to final outcome and satisfaction. I was also introduced and informed in the concept of data structures and algorithm especially in my “Skilllz” application for Artifact 1 I gained a deeper breadth of understanding on the importance of keeping my codes structured in an organized manner with like function together and also planning ahead with the aide of psuedocodes and flowcharts. My second artifact Ventist Market a resful web-app demonstrates the role of having database functionality to process data through CRUD(Create Read, Update, and Delete). In this case I used MongoDB a pretty popular tool for including databases with JavaScript or other languages. In my course on secure coding I learned the importance of coding with security in mind, I mentioned in a course of how Home depot lost million of dollars due to compromised customer data by hackers.

**B. Summarize/introduce how your artifacts fit together and inform the portfolio as a whole; this will help demonstrate the full range of your computer science talents and abilities? This section should introduce your audience to the technical artifacts that will follow the professional self-assessment.**

The artifact’s I developed and used to in from my portfolio as a whole are the “Skillz” android app as well as the “Ventist Market” registry web application. These two artifacts satisfy the demonstration required from Category One: Software Design and Engineering, Category Two: Algorithms and Data Structure, and Category Three: Databases. They also introduce your audience to the technical detail of incorporated technologies such as Android Studio, Java, SQL-lite, Node.js, Express, and finally MongoDB. Though I am not masters of these technologies just yet but it will demonstrate to potential employers some knowledge of the craft and willing less to learn.

**The following will be a link to my Eportfolio:**

https://github.com/ErnestLouis777/Ernestlouis