Cinnamon George

CS – 499 Computer Science Capstone

15 April 2021

Self Assessment

1. When I first started out in the computer science program I was unsure of what I wanted to do and how I would pursue it. In the program I learned what I loved to do as well as what it was that I struggled with. Both of these helped me to be able to grow the necessary skills that I have today. Along with my mentors that I have outside of the classroom to be able to help me get though the rough patches of learning and find ways that made the task more understanding. The collaborative work with my classmates as well since they have brought in all different kinds of perspectives. It helped me to be able to see the information in a different way.

In this course I have shown lot of examples to show my proficiency in 4 different areas. I am showcasing my mobile Inventory App, as well as showing the starting point for database creation in state government. The first one was in software design I enhanced my code in order to be able to make the app more user friendly. The second enhancement was dealing with algorithms. I added a sort algorithm to be able to sort the products within the inventory for easier product look up. The third enhancement was created, however it is only a place holder as this is for a database. I created this app for the place where I am interning. I am also creating for them a internal database to which the inventory app products, login information will all be synced up to.

Throughout my narratives I explained the process of securing the database at the very beginning. Do to me working for the state government I would need to take very precaution even prior. As I do not want to add a vulnerability to the operating system, sever, or network. As there is a lot of PII that my agency does, as well some of the data that would be going into the database is PII. I described some of the initial and on going steps to the database, as well as some legal matters such as an MOU that was created between myself and the agency.

1. The skills that I have learned in the program is going to be beneficial in my future career. The location where I am currently interning is in the process of hiring me full time for mobile application creations as well as database, and for data analytics which I learned through my data mining course. This program as been able to lead me to this oppurinity with the skills that I need as I progress further in my career.