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CS-499-18323

Computer Science Capstone

Southern New Hampshire University

Enhancement One: Software Design / Engineering Narrative

The artifact I chose was the mobile application that takes inventory of products. There is a login page, inventory page, and settings for SMS notifications. This was created earlier this year.

I selected this artifact because I wanted to add features. As I grow in the field, I want to learn what I can add to make anything better. In this project, I added a profile page which allowed the user to enter a bio about themselves. I also added a light and dark feature to each page so it would be to the user’s liking. The project was not easy and I ran into many obstacles. To create a new kind of button was difficult. I also was able to erase the bio line automatically, without the user having to do it themselves.

I met the course outcomes by using an old project and adding features to enhance the final artifact. In this project I completed the final outcomes:

* Employ strategies for building collaborative environments that enable diverse audiences to support organizational decision making in the field of computer science
* Design, develop, and deliver professional-quality oral, written, and visual communications that are coherent, technically sound, and appropriately adapted to specific audiences and contexts
* Demonstrate an ability to use well-founded and innovative techniques, skills, and tools in computing practices for the purpose of implementing computer solutions that deliver value and accomplish industry-specific goals (software engineering/design/database)

The audience is more diverse by adding the light and dark mode to the artifact. I improved my code by adding more notes and deeper comments. I used new techniques and skills to improve the overall capability of the app.

As I stated above, the project was not easy. I ran into many problems each step of the way. The way I made it further was to keep trying and not letting my mistakes get the best of me. When learning about the dark and light concepts, I was initially able to change the color once, but not back. With the bio, I was having trouble getting the words to stay in the designated area and erase the original content from the edit line. All were challenges, but I overcame them by trial and error.

Another problem I had was updating the Gradle. Initially, a few weeks ago, I reopened the project, only to find that a new Gradle needed to be downloaded and implemented. Even a few weeks later, I saw that there already is a new Gradle update, which initially caused issues with my project. Keeping up to date with the program and its extensions is a great lesson to be learned.

Coming back to this project has me feeling better about the outcome and how I improved something I thought was already good. I will be adding this to my ePortfolio, so that I can use it again and as a reference for a future job.