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CS 499

Module four: 4-2 Milestone Three: Enhancement two: algorithms and data structure

In this narrative for my enhancements of category two: algorithms and data structure. I will briefly describe what the project is and when it was created; describe why I choose this selection for my ePortfolio, what specific components the artifact showcases about my skills and abilities and how it was enhanced. I will also address whether I meet the objectives I planned with the enhancements and finally I will reflect on the process of enhancing the artifact.

This project was taken from my IT 145 class – Foundation in application development and was created/completed in April of 2019. In that class I learned the design, implementation and understanding of computer programs. The main thing I learned from this class regarding coding with communication with messages, which I feel this program does exactly that. The program is a zookeeper application that allows the user to access information on the animals and habitats inside the zoo. I choose this program for my ePortfolio because communication with messages is a concept of every webpage that we all visit, and I feel that it displays my ability to create a program that does so. This program before the enhancements would allow the user to monitor an animal or habitat of their choice but the program would only run in the terminal of the IDE being used. The enhancements I have made to this program with the use of GUI now allows the user to get a better experience using the program. When running the program now a window will popup prompting the user to decide what they want to do either click the button to monitor and animal or habitat, then this is repeated as the make their choose another window will popup which animal of habitat to monitor then it takes them to their choice.

I believe I met the course objectives that I planned to meet with this enhancement because I have improved the efficiency of this program. I do not have any updates for this program in mind currently I am happy with how it came out as is at the moment. Working on these enhancements was not a walk in the park, I do not remember much of java and to be honest it is the least of my favorite languages that I have learned throughout my education. I just think it takes too much code to do simple things, but on the plus side I thank the heavens for YouTube and google because I was able to find a lot of information on GUIs and buttons for java. What I did learn while completing the enhancements for this project is the similarities that java has with C#. Mainly the way that both languages are typed, and how variables are declared etc. which can make it a bit complicated from certain point of views. I also learned new tricks using JavaFX with Hbox and VBox layout pane to arrange nodes in rows and columns.