

Enhancement Two: Algorithms and Data Structure

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Artifact Selection

For the second enhancement I have again chosen to improve the proficiency of the zoo monitoring system from IT 145. The system helps zookeepers keep track of animal health, activities, and habitats. It uses dialog boxes to alert when animals or habitat is out of the normal range, displays information based on file, and distinguishes choices based on selection and category. The artifact was originally created in 2017 and updated September of 2019.

Inclusion and Justification

The artifact was selected to showcase skills currently asked for within the industry as a Software Developer. The components I wanted to reflect for this enhancement were basic data structure types and algorithms that display predefined tasks. The code will show my knowledge of inserted data structures and algorithms that fetch the given task when prompted. The text file part of the code was added to search for said animal or habitat and broken down into two switch statements to further make the code refined.

Outcome and Objectives

As far as outcomes and objectives I feel I did complete the main components of what needed to be done. There are no major changes done as far as the outcome coverage plan at this time. I am looking to be on track with everything as described.

Reflection

There were not many challenges this week since I already began making configurations prior as both enhancement one and two coincide with one another. I would say it was much less complicated this week versus the week before. The text statements were added so the files could be read and the code was tweaked to streamline it even more.

