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CS 499

Prof. Saba Jamalian

Narrative: Enhancement Two Algorithms and Data Structure

The artifact I have chosen is the mobile Inventory Application from the course CS 360 Mobile Architecture and Programming. This Inventory Application was created in the months of September – October 2024. This artifact was chosen because it showcases my skills in designing and developing a mobile application while using a database to add, edit, and delete items in an inventory list. This artifact showcases my skills in algorithms and data structure with the inclusion of the search bar. This artifact was improved by adding a search bar that searches through the data structure and displays an updated inventory list. This improvement did meet the course outcomes I had planned to meet from Module One. As I was creating and modifying the artifact, I learned how to create a functional search bar as I had never done that before. The challenges I faced came with figuring out a solution to search through a sqLiteDatabase. This will be improved upon in the Database category as I will work toward building a functional search bar for the Inventory SQLiteDatabase. Below are photos displaying the working search bar for the data structure.

