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CS 499

Professor Sandifer

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[4-2 Milestone Three: Enhancement Two: Algorithms and Data Structure](https://learn.snhu.edu/d2l/le/content/2019780/viewContent/43176900/View)

The artifact I chose for the Algorithms and Data Structures section was from the CS-320 Software Testing course at SNHU. The artifact is a JUnit testing assignment used for a CRUD application that interacts with the contact, appointment, and task creation system. I included this in my portfolio because testing is an important part of software development. This was an assignment from the 2024 September to October term. When I first completed this assignment, I was just learning about testing software, and it was all very new to me. I struggled through it while using the online tutor. My plan for enhancing it was to add the proper commenting throughout the code since I forgot a lot of it in the original. I also planned on making the testing more complex and checking for failures, because the original did not check for failures, which left gaps in the testing. By testing for failures, I was able to increase the accuracy of the testing dramatically.