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CS 499

12/12/2020

Software Design and Engineering Narrative

In Cs 320 I had to make a medical application that allowed the staff to track patients and data around the patients. During this assignment I was to act like different parts of the testing board to test the different stages of junit testing in a code. I used three tests in total and found a total of 7 errors in my code. In this portfolio I wanted to fix those errors. All 7 errors were syntax errors. And to be honest it took me way too long to actually fix this artifact. I should have been able to find the errors using the three junit test that I used in the class. But to be honest I missed three of them because of what I am blaming mindset bias. This happens when a programmer or scripter reads code all day and over looks the little issues because their mind fills in the issues.

Since I couldn’t find the issue super easily, I started to rewrite it in java. I started by going line by line and re writing it in a separate window and when I did that it came out perfect. It’s the same code but now it has no errors. This class taught me how to use eclipse and helped to strengthen my knowledge of java. I included this artifact into my portfolio mainly because I wanted to fix the errors that were displaying when I submitted it back in CS 320. This project interested me because it was when I was first starting out n complex code from scratch, and honestly, I wanted to use eclipse again.

I also wanted to use what was my favorite way of testing on junit, State Transition. Using that technique gave me access to test the applications behavior and the application itself. I used it to test the many different input conditions from any given sequence. It worked a lot better in testing the application than regression-approach. Which I retested and still didn’t like in the new lookout after learning more.