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**Class: CMSC203- 32715**

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**Assignment: #4 – Learning Experience:**

*This assignment was a good learning experience for me, working with how to build classes from scratch and how to create different constructors. The Copy constructor was confusing at the beginning but after a while it become clear.*

*I was really struggling on creating the overlap and encompasses method, the logic to come up with a true on false considering different scenarios was very challenging. After a lot of researching I was able to create the method however I was considering the x and y position as the first quadrant in the coordinates, however the Tests were designed such a way that the y axis was positive when coming down not going up. This took some other time to make the method work with the way it was supposed to be.*

*The addProperty method was very challenging too, I had add given property as object to an array and keep mind of the one which is already filled and also returning different codes based on different situations. The code for that method turned to be very big and maybe unreadable. I was had hard time to make it simple but still I think is complicated for a new person if they look at it.*

*Finally, making my own jUnit tests was also a good one. It gave me confident about my code. I also tested the project using the provided GUI and nonGUi driver classes.*