

Adam Baptista

The only issue I faced when doing this programming assignment was that when I was changing the midpoint line to handle all slopes, some lines would not graph all the way from point to point for me. I did not change anything other than multiplying the x/y by $1/-1$, and I also tried other algorithms online, and the points I tried did not work either.

I learned about the different types of curves and algorithms used to graph different shapes and lines. I also learned how to use tabs in html.

The remaining bugs that I know of are some midpoint line graphs don't really work very well for certain points, eg. (0, 100) to (200, 512). This set of points does not make a line to (200, 512), but instead makes a line from (0, 100) to (200, 300). I could not figure out why this was happening.

Additional functionality that I added were tabs to have different points, clear button to clear the canvas, color picker to pick a custom color for the lines, and a random button that randomises all the parameters.