**Mid-Term Exam**

How did you break this problem down into it is smaller parts?

Breaking this down into smaller parts was simple. It was already broken up into small enough pieces for me to tackle. I took each bullet point and went down the list from the first task to the last.

What was your pseudocode?

Create an array that holds the positions of 10 circles.

Use a for loop to loop through each position and create those 10 circles.

Make the circles follow the mouse.

Make the size change based on the position of the mouse.

Make the color change based on the position of the mouse.

Make the circles move downward based on whether the mouse button is clicked.

What resources did you use?

The main resource I used was past projects. We have already tackled most of the issue I faced in class so a lot of the help I received was from looking at the Snake and Stoplight tasks. P5js.org also helped because I just needed to remember how some of the event handlers worked.

What errors did you find and how did you solve them?

My console helped with any syntax errors or I just logged out a variable at times to find out if it was working as intended. Some errors I ran in to was getting the circles to animate downward when the mouse button was pressed, I finally achieved this by putting the for loop in the else statement, I discovered this through trial and error.

[Mostly Finished Exam](https://andyheltzel.github.io/n220spring2021/midtermExam/)