Andrew Guarino

Professor Krawitz

Computer Science

30 April 2021

Observations

When creating this final project, the hardest part was finding a place big enough where I can lay out the entire maze. The maze ended up being 28 feet long and 12 feet height. I drew the squares to be 8 inches by 8 inches because the robot would fit perfect within that square. I drew the squares on parchment paper, my family owns a bakery, so parchment paper was very easy to get a hold of. When laying down the paper on the floor the biggest problem was when the robot would turn the paper would move as well. When navigating the square four times I could not get the sensors to work so that is the only thing I am missing within the program.

I really enjoyed programming the robot to navigate the maze and it was really good to see all of the videos put together and see the robot traverse the maze. When putting the video together I added some cool graphics such as the mario kart 3 2 1 GO in the beginning, also the timer when it was in the parking lot for 5 seconds. Most importantly adding in pictures of the part of the maze that the robot was going through. Adding music to the video helps with it not being so quiet and more enjoyable to watch.