Bruce Hubert

Capstone Project

Exercise 2-

Requirements

Your Scribbler must pass through every box in the maze.

Your Scribbler must go around 'the square' at least 4 times.

Your Scribbler must use proximity sensors to determine when to turn when navigating the square.

In the 'dead end' Scribbler must enter going forward, circle, and leave going forward (it is not permitted to reverse direction and back out).

Your Scribbler must navigate 'the T' to turn right, left, and go straight through, at least one time each.

Your scribbler must go into the "parking lot' and stay there for at least 5 seconds before backing out.

When robot turns right, light only the right LED.

When robot turns left, light only the left LED.

When robot is going straight, light only the center LED.

This time, as robot completes each piece of the maze, play a song of triumph.

Upon completion, design and implement a completion dance that includes motion, lights, and sound.