Matthew Mariani

Programming logic Capstone Requirements

The robot must traverse through the maze. The robot must make a T shape at either the beginning or the end of the maze. There is one part during the maze where the robot has to go to the dead end (parking lot) and stay there for 5 seconds then it has to back out of the dead end. There is another dead end that the robot has to go into make a circle and then it can leave but it must leave facing forward. The robot has to go into that dead-end and make a circle before it heads over to make the squares. The robot must make 4 squares and turn when it detects a wall. When the robot turns right only the right led will be on. When the robot turns left only the left led will be on. When the robot is moving forward the middle led will be on. Also, the robot has to play a song of triumph each time it completes a piece of the maze.