Mitchell Forbes

3/1/2019

Programming Logic

Professor Eggli

Design

**To:** Manager

**From:** Mitchell Forbes

**Date:** February 11, 2019

**Subject**: Design

Mr. Manager,

I have written up a brief design on how to make it possible to complete this project that you have given us. The maze will be difficult but definitely possible.

**Materials:**

First off there will be a handful of materials that we will need to complete this project. The first material we will need will obviously be the robot which we will program to test and complete the maze.  Second, we will need materials to construct the maze. These materials might include paper or even chalk that would allow us to create the maze on asphalt around campus. The space requirement might prove to be a challenge because of the size of the maze.

**How to complete the maze:**

To complete this maze, we will need to use all of the scribbler programs applications to complete it. Inside the Scribbler software we will have to use almost all of its usability from a move forward command all the way to sub routines and the program end command. We will also need a space big enough that will allow us to create the maze to show off our code.

**Requirements to complete the maze:**

There are many requirements to this maze to make sure you have completed it successfully. These requirements include making sure the scribbler goes through every box in the maze. The robot must go through the “square” at least four times. It must use proximity sensors to determine the square when navigating it. But for the first time the scribbler must go to the “dead end” before going to the square. In the dead end the robot will only be allowed to go forward. The scribbler will have to go into the “parking lot” and stay for at least five seconds. Lastly, the robot must turn right left and go straight through the “T” at the beginning of the maze.

Thanks,

Mitchell Forbes

Bibliography

Eggli, David. “IT 2100: Introduction, Sequence and Technical Communication.” Google Docs, Google,docs.google.com/presentation/d/1Pjd2PjS1aab91riOubf4yvpTEuFAmf6ZojOK6s AwCdo/edit#slide=id.g4e1370c660\_0\_15. Slides 61-70