PROGRAMMER’S GUIDE TO COZMO TOUCH MAZE PROGRAM

This guide will provide more details on software requirements, installations, and explains the functionality and logic flow of the program for Cozmo.

**Smartphone/Tablet Setup**

1. Check this link to ensure the device is compatible with the Cozmo app. <https://www.anki.com/en-us/company/devices#devices-cozmo>
2. The app itself can be found through the following links depending on the device:

* Apple Store: <https://itunes.apple.com/app/cozmo/id1154282030>
* Google Play Store: <https://play.google.com/store/apps/details?id=com.anki.cozmo>
* Amazon App Store: <https://www.amazon.com/Anki-Inc-Cozmo%C2%AE/dp/B01MA2WU55/ref=sr_1_1?s=mobileapps&ie=UTF8&qid=1476454978&sr=1-1&keywords=cozmo>

**PC Downloads**

1. Download Python 3.6.5 from the link and follow installation instructions: https://www.python.org/downloads/
2. Follow the link appropriate to your system to install the PyCharm IDE.

* Windows: <https://www.jetbrains.com/pycharm/download/#section=windows>
* Mac: <https://www.jetbrains.com/pycharm/download/#section=mac>

**Settings in Pycharm**

1. Open PyCharm and open the maze project. In the window where the location parameter give the name of the file, click on project interpreter and select the base interpreter as “python3.6”.
2. Make sure the Cozmo package using the + icon.

**Executing the Program**

1. Open the Cozmo and connect to it through the app using your wifi settings.
2. Enable the SDK mode and run the program from Pycharm.

**Information on Maze Program Code**

1. Group Git Repository: <https://github.com/Rac535/cozmo-touch-2018>
2. Functionality of Code:

* This maze is set up with color markers set up at different points to demonstrate what direction Cozmo should head to complete the maze. Below is a diagram showing how Cozmo will interact with the maze. There is dialogue present to keep kids engaged and provide insight into Cozmo’s thought process.

