ReadMe:

Smart Parking System Using MITAppInventor and ThingSpeak

Problem statement:

The project is aimed to provide solution for vehicle parking problem by making use of a mobile application which allows drivers to book empty parking slots and provides billing system as well.

The hardware components used for this project are:
_ Wemose
_ LDR sensors
_ Breadboard
_ Connecting wires and USB cable

As shown in the above figure, connect ground of each sensor to wemose ground and vcc to 5v on wemose. The third connection is for digital input/output. As wemose has only 1 analog port, we use digital port to connect all 5 sensors to wemose.
Port d0 is connected to sensor representing slot 1
Port d1 is connected to sensor representing slot 2
Port d2 is connected to sensor representing slot 3
Port d3 is connected to sensor representing slot 4
Port d4 is connected to sensor representing slot 5

To connect wemose to internet change name of network SSID and network password to your network credentials in Arduino file Write.ino .
Compile and run the Arduino file Write.ino

For MITAppInventor, open and login to the MITAPPInventor website and import hciproject.aia file. Connect to MITAPP Companion android app using connect option.

The sensors values are written and read from the thingSpeak channel.