Submission Date
Project Name
Student Name
Project website
My project will
The database will store
The mobile device functionality will include
I will be collaborating with the following company/department
My group in the winter semester will include
50 word problem statement
100 words of background
Current product APA citation
Existing research IEEE paper APA citation
Brief description of planned purchases
Solution description

9/15/2017
InfraredSensor
Raymond Dang
https://github.com/arZone1/InfraredSensors
Be used in parking lots to check availability of parking spaces for people to park their cars
Drivers cars and license plate
checking to see if the parking lot is full
N/A
Kevin Abarca (Lasers),
Drivers that commute to work and back are sometimes left without a place to safetly park their vehicles due to having full parking lots. Drivers struggle with finding parking available at peak times and are often waiting around for people to leave so they can take that parking.
Commuters find a common problem in finding parking spaces for them to park their vehciles due to parking lots being full and they have to drive around to find a parking lot that has available space. When drivers pull up to a parking lot they should see how many spaces are there if not display a full parking lot sign.
Using an IR Sensor | IR Sensor | Adafruit Learning System. (n.d.). Retrieved from https://learn.adafruit.com/ir-sensor/using-an-ir-sensor
Improved vehicle positioning for indoor navigation in parking garages through commercially available maps IEEE Conference Publication. (n.d.). Retrieved from http://ieeexplore.ieee.org/document/5646710/metricshttp://ieeexplore.ieee.org/document/5646710/metrics
Arduino starter kit - https://www.amazon.ca/Kuman-Project-Tutorials-Mega2560-included/dp/B0188TO4VU/ref=sr_1_1?ie=UTF8&qid=1505491103&sr=8-1&keywords=arduino
Solving commuter problems and having available parking spots for them to park their own vehicles

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42993	InfraredSensor	Raymond Dang	https://github.com/arZone1/InfraredSensors	Be used in parking lots to check availabilit	Drivers cars and license plate	checking to see if the parking lot is full	N/A	Kevin Abarca (Lasers),	Drivers that commute to work and back

100 words of background	Current product APA citation	Existing research IEEE paper APA citation	Brief description of planned purchases	Solution description
Commuters find a common problem in finding	Using an IR Sensor | IR Sensor | Adafruit	Improved vehicle positioning for indoor	Arduino starter kit - https://www.amaz ww.amaz	Solving commuter problems and