Submission Date	9/18/2017
Project Name	BluetoothProjectProposal
Student Name	Adrian Caprini
Project website	https://github.com/adriancaprini/BluetoothProjectProposal
My project will	allow users the ability to add a number of security features to different objects such as a door or fridge.
The database will store	accounts showing the different users and their identites. Username and passwords that are required to use the system or application.
The mobile device functionality will include	being able to unlock and lock the door through the app on the device. Also, the user being able to check that he or she set the passcode for the security system through the app before leaving their home.
I will be collaborating with the following company/department	Raspberry Pi and Prototype Lab
My group in the winter semester will include	Raphael Carlo Najera, Johnson Liang
50 word problem statement	The bluetooth security system can detect when someone is trying to break into your house. This concept would then allow you to be able to expand the product by being able to put a camera in the house, that would be able to show you what the person who is breaking in looks like.
100 words of background	Bluetooth allows you to perform different functions without using your hands. For example, when you are driving to work and need to make a phone call, you can connect your phone to your bluetooth device to make the call. Then to talk to the person you are calling you would talk into the voice recoginition system that is built into the bluetooth sensor. Then to end the call, you would push the red button on the bluetooth to end the call. Also, Bluetooth allows you to be able to do things when you are not in your house or office through the app on the user's device.
Current product APA citation	Carreño, V. (2015, August 31). Bluetooth Security System. Retrieved September 16, 2017, from https://www.hackster.io/viccarre/bluetooth-security-system-7b518d?ref=tag&ref_id=bluetooth&offset=67
Existing research IEEE paper APA citation	Kui, M., & Xiuying, C. (2004, April 05). Research of Bluetooth Security Manager. Retrieved September 17, 2017, from http://ieeexplore.ieee.org/document/1281207/
Brief description of planned purchases	Raspberry Pi- will be used as the main part of the project that will connect the sensor. Adafruit's RGB LCD display- will be used to display the information of the specific function the user is trying to get it to display.
Solution description	This concept can be used by security companies who are being hired by customers to install security systems inside of other company buildings or in a customer's home. This concept can also help protect people's homes from being robbed and broken into.