**Bluetooth Wall Outlet**

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Description: This project is to make a wall outlet plug in which will be controlled by Bluetooth. Using a Bluetooth enabled device, you will be able to turn the plug on and off. You will also be able to set a timer, or schedule for the wall outlet to turn itself on and off.

Parts: One wall outlet plug. One Arduino or Raspberry Pi. One Bluetooth module. Wires, breadboard, casing for project.

Source of Parts: Most everything needed can be obtained from Amazon.com

Software: Bluetooth connection software. Self-written code for the functioning of the outlet.

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| Week 1 | Acquire Parts |
| Week 2 | Start dissembling outlet plug for modification |
| Week 3 | Start connecting the Arduino/Pi to the Bluetooth module.  Connect to the outlet plug. Find a case needed to fit everything |
| Week 4 | Start on programming the code needed to control the Arduino/plug |
| Week 5 | More coding and testing the required functions |
| Week 6 | Solder everything once testing is complete.  Put hardware in assembled case. |