Automatic fly swatter

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https://github.com/zeroblades/silly-project.git

Objectives

- ★ Create a fly swatter that detects when a “fly” or object is within range for swatting
- ★ Use the sensors to detect if it is within range, and which way to swat
- ★ Have the motor move the swatter with enough power to properly swat a fly
    - ○ may be measured by crumpling paper

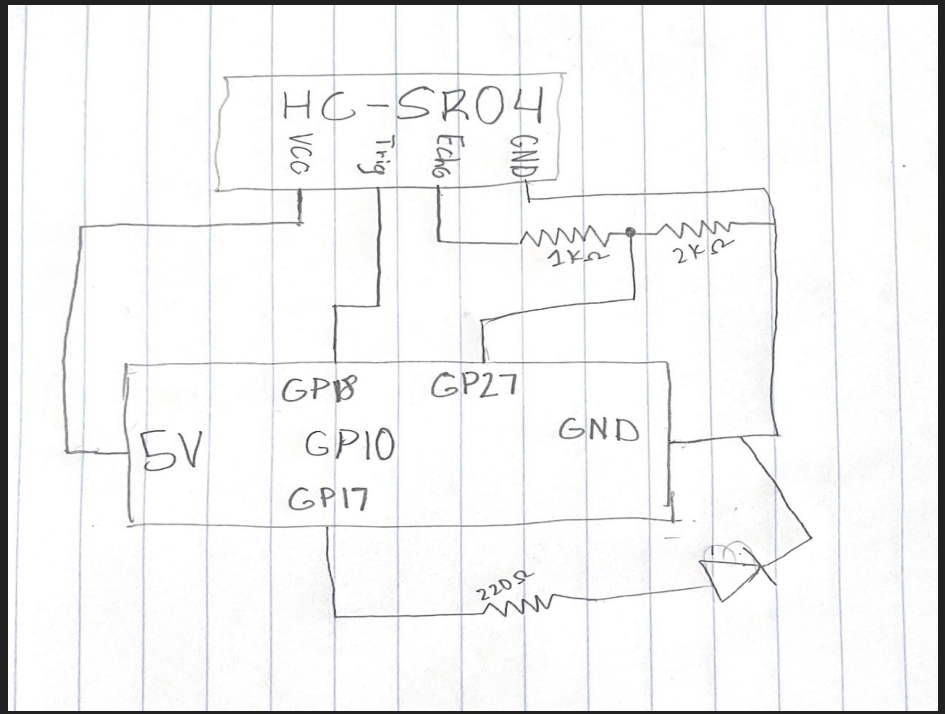
GPIO - we plan to use GPIO to connect 2 sonic sensors and a motor. The sonic sensors will be able to detect if there is an object within range, and the motor will rotate the fly swatter, making it swing and swat the fly.

Timeline Link: Gantt

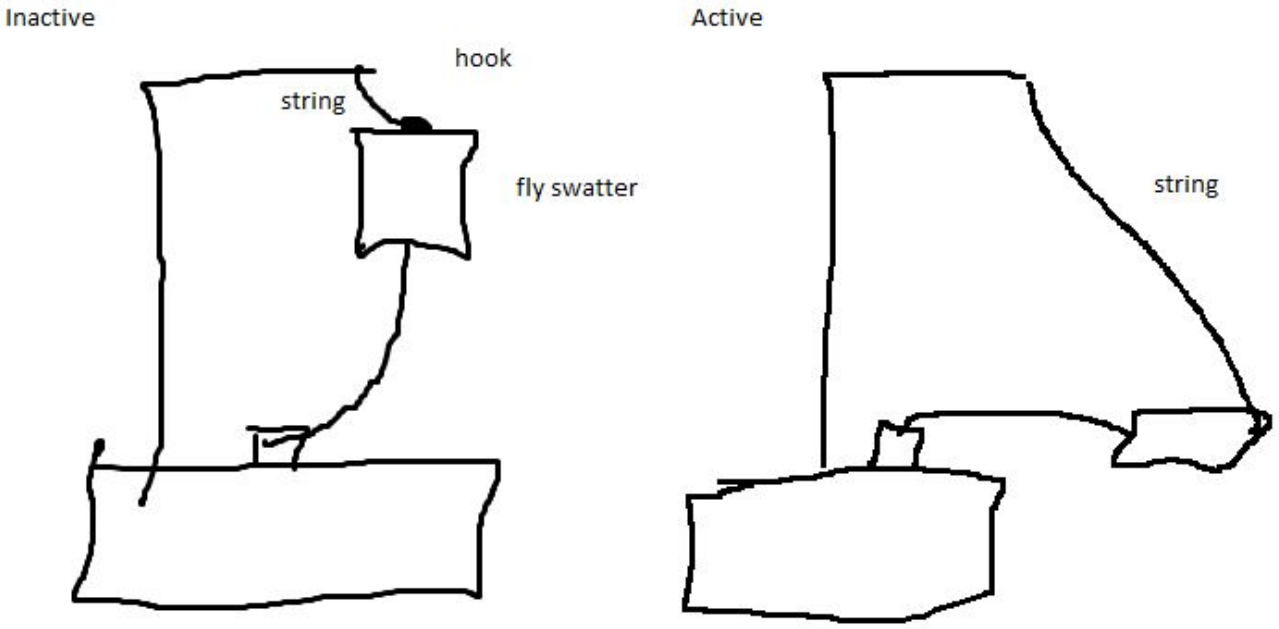
Links for materials:

- Motor
- Swatter - maker space - 3d print link attached
  - https://www.printables.com/model/466454-fly-swatter/files - possible other option
- Body + gears - maker space
- Website for 3d print files
- 2 sonic speakers

Circuit Diagram



Illustration



Tension is held with swatter being bended and when fly is detected and swatter is released thus gaining speed and power, attached to a string it is winded back up to relase again