



How often do you....

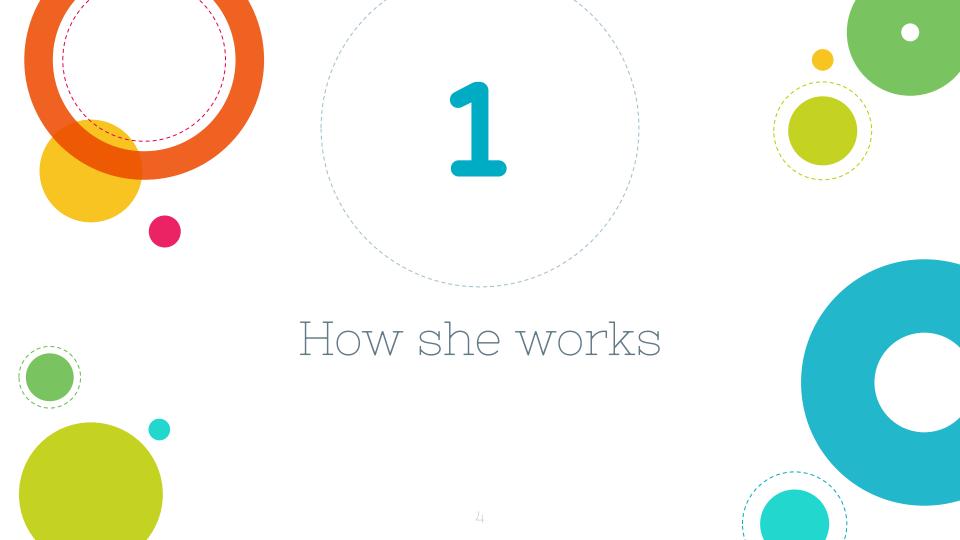


FORGET YOUR KEYS?

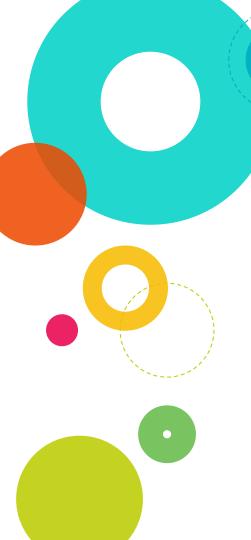
Hello!



Meet PesKey bot

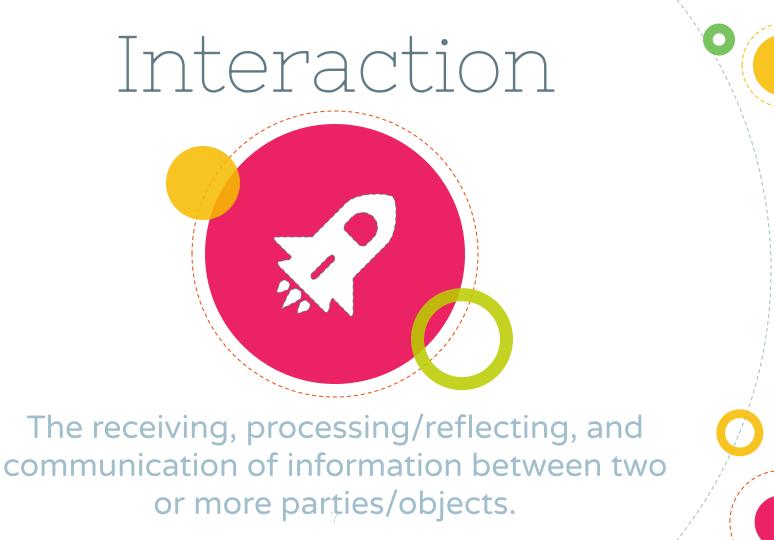






Parts/Digital Fabrication Techniques We Used

- O Ultrasonic Sensor
- Light Dependent Resistor
- O LEDS
- Micro- Servo Motors
- O Laser Cut Acrylic





Our Thought Process

ldea

Create something useful, entertaining, and interactive

Solution: animating a keyholder.

Input: distance from door

Processing: Determining if key is present

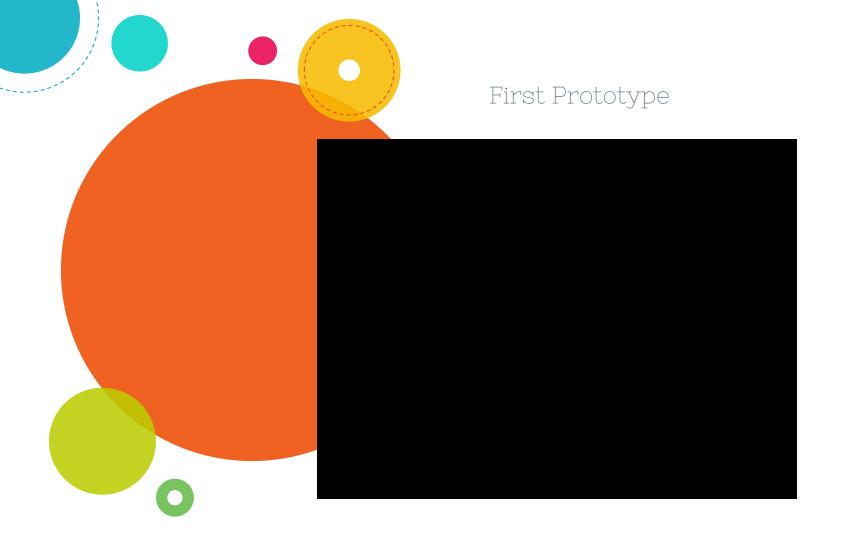
Output: Waving arms, alarm, blinking lights

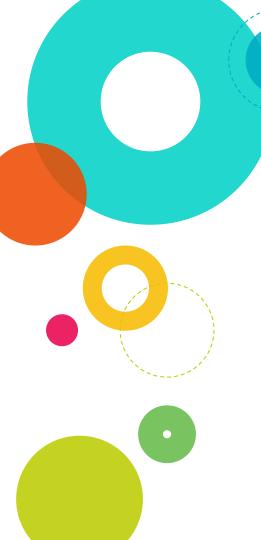
Steps

Test distance sensor, servos, speaker, ldr, leds separately

Write out logic/ pseudo code

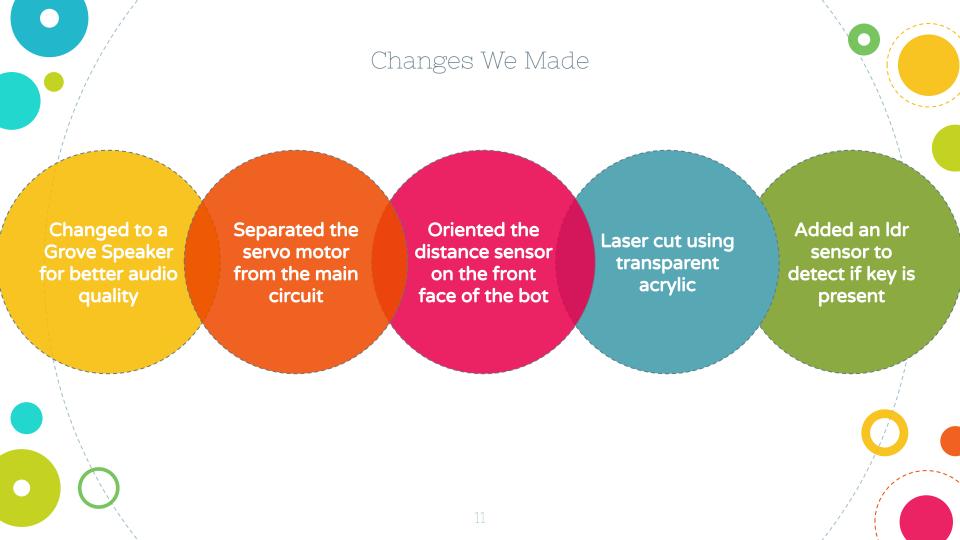
Implement the parts together



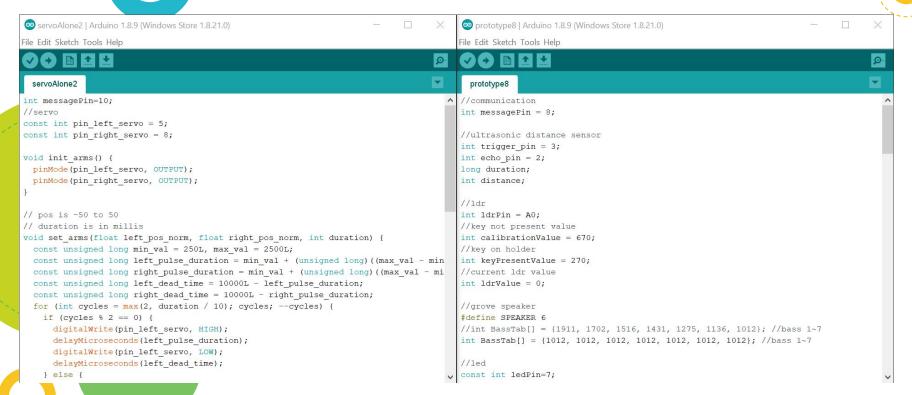


User Testing Feedback

- Speaker too quiet
- Arms moving too slow
- Distance sensor in wrong position
- LEDs not visible enough
- Need to add a key sensor



Final Code



Thanks!



Any questions?