OW9 E

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Where it all started?
How we come up with our idea?



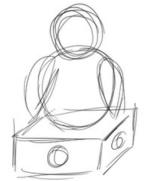
Our first sketch











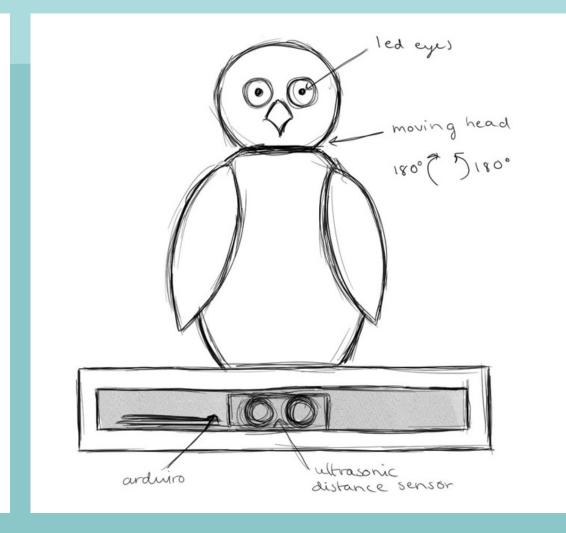
4x PIR sensor

moving head

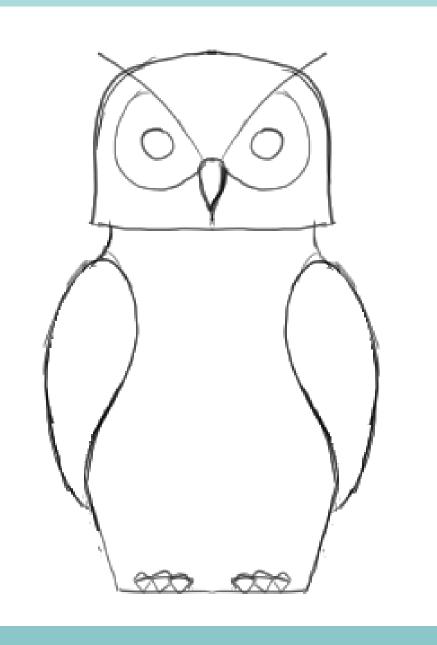


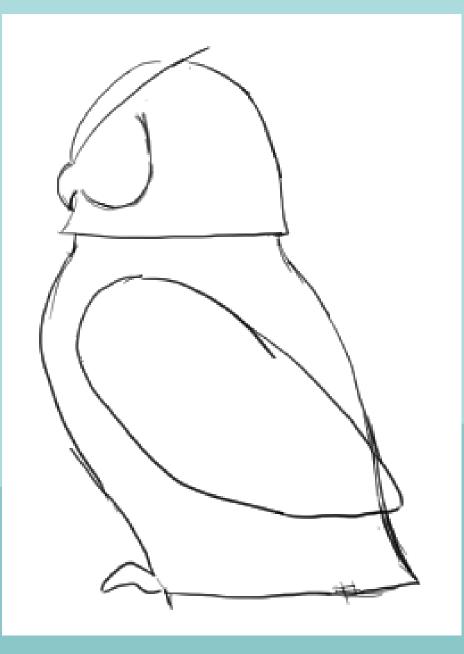
head follows the movement servo moving the head servo moving the wings



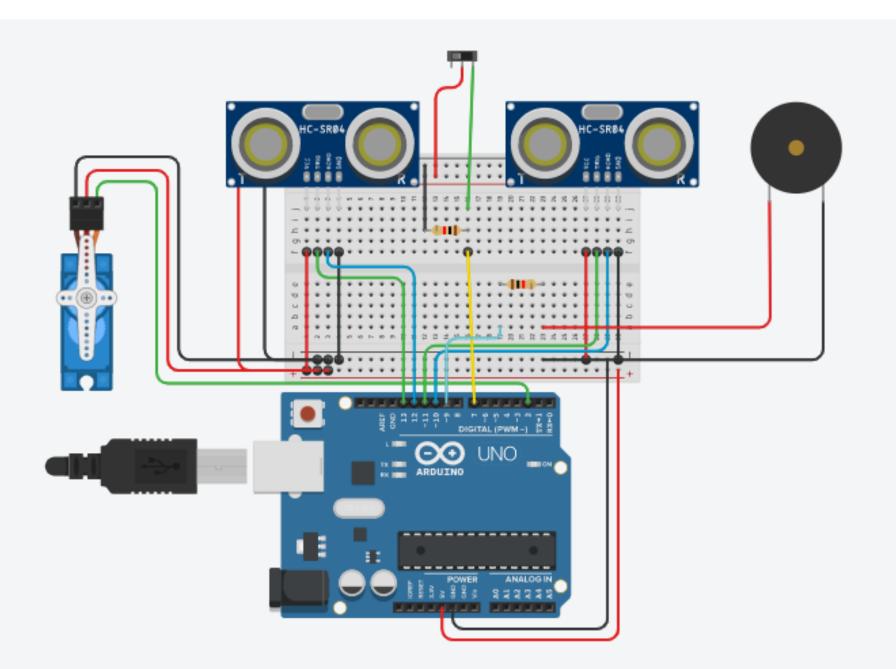


Sketches





Arduino circuit + code





File Edit Sketch Tools Help



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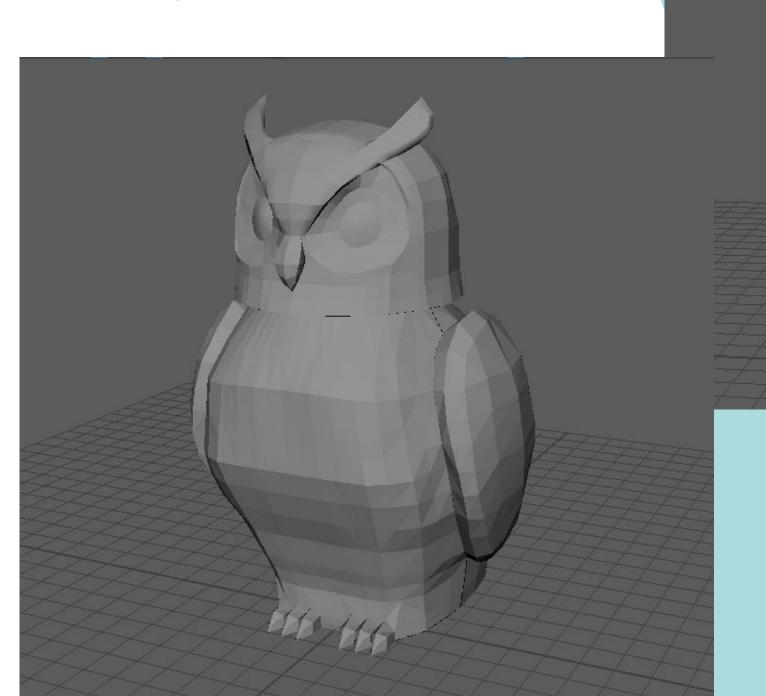
```
#include <Servo.h>
Servo myservo;
int sensor_1_trig = 13;
int sensor 1 echo = 12;
int sensor 2 trig = 11;
int sensor 2 echo = 10;
int servo = 2;
int buzzer = 9;
int on_off = 7;
long duration right, duration left, cm right, cm left;
int threshold = 50; //sets the distance on which the sensor detects 'movement'
int angle = 90; // sets the starting angle for the servo
int shout = 5; // sets the distance on which the buzzer activates
int pass; // an empty variable used in the buzz() function
void setup()
 Serial.begin (9600);
 myservo.attach(2);
 pinMode(sensor_1_trig, OUTPUT);
 pinMode (sensor 1 echo, INPUT);
 pinMode (sensor 2 trig, OUTPUT);
```

3D modeling

Fusion 360 & Maya

Fusion 360 Maya





Fab Lab

Laser cutter & 3D printer

Wooden box & owl







