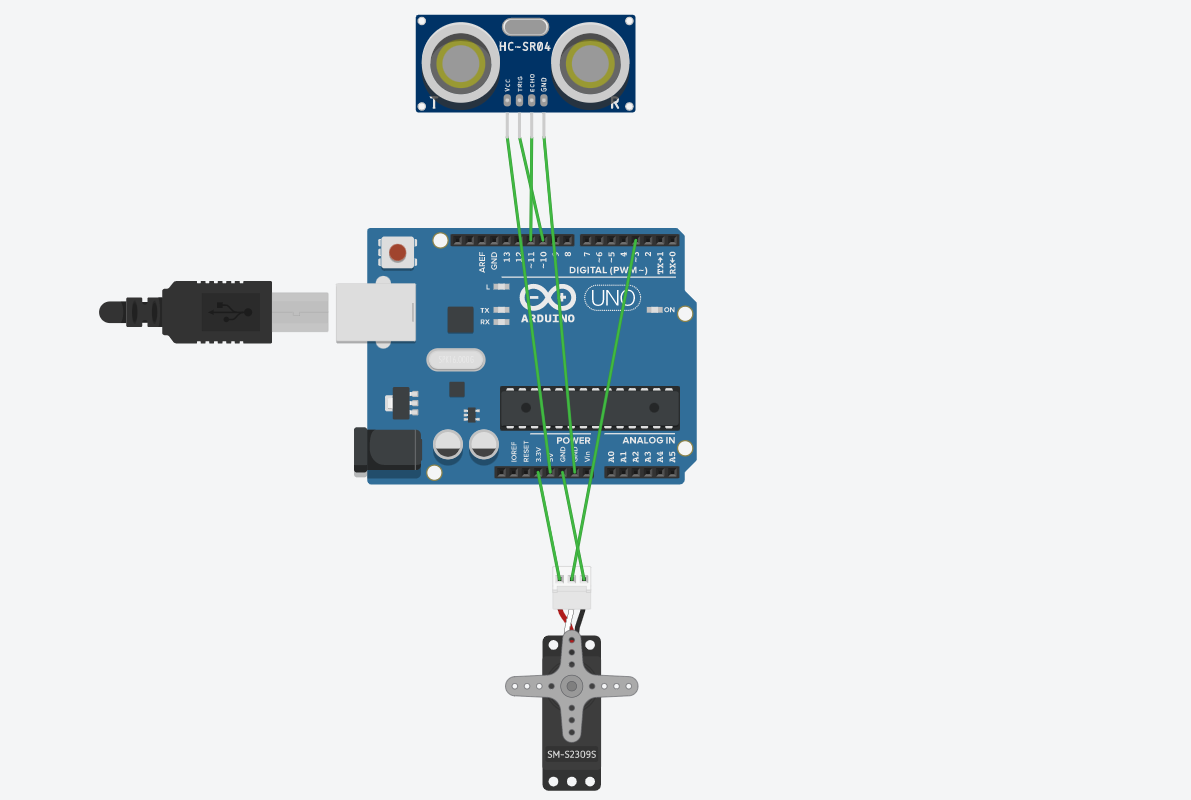
**Smart Trash Bin Project**

Smart trash bin helps to solve the problems related to the garbage management. This project aims at developing the affordable smart trash bin using Arduino Nano, Servomotor, Ultrasonic sensor HC-SR04. The concept is very simple and easy to use.



**Schematic**

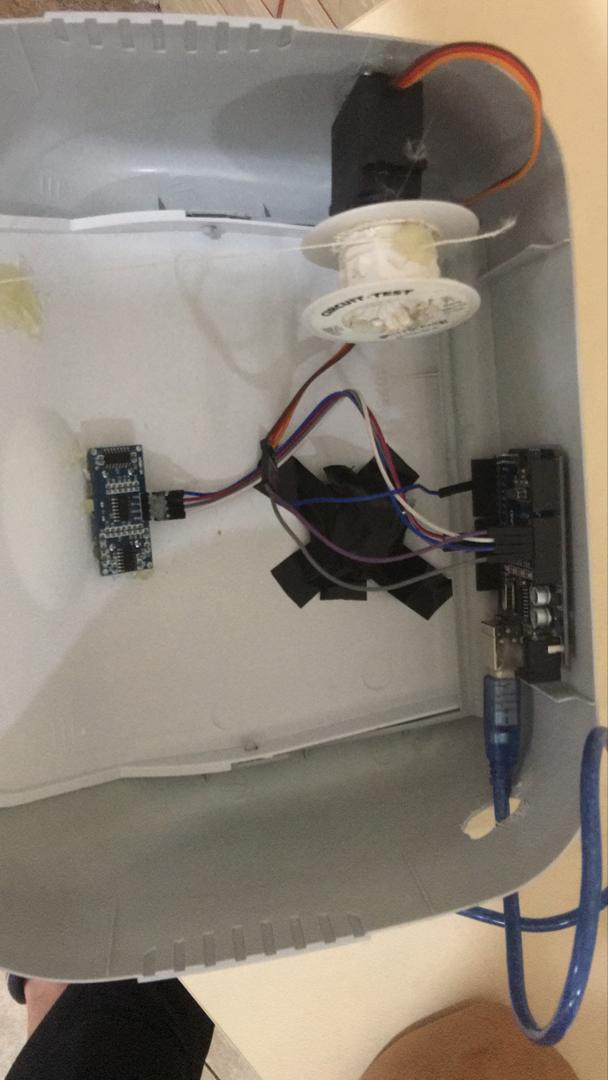
[](https://github.com/GalliFrey7/smart_trash_bin/blob/main/arduino_schematic.png)

int trig = 10;

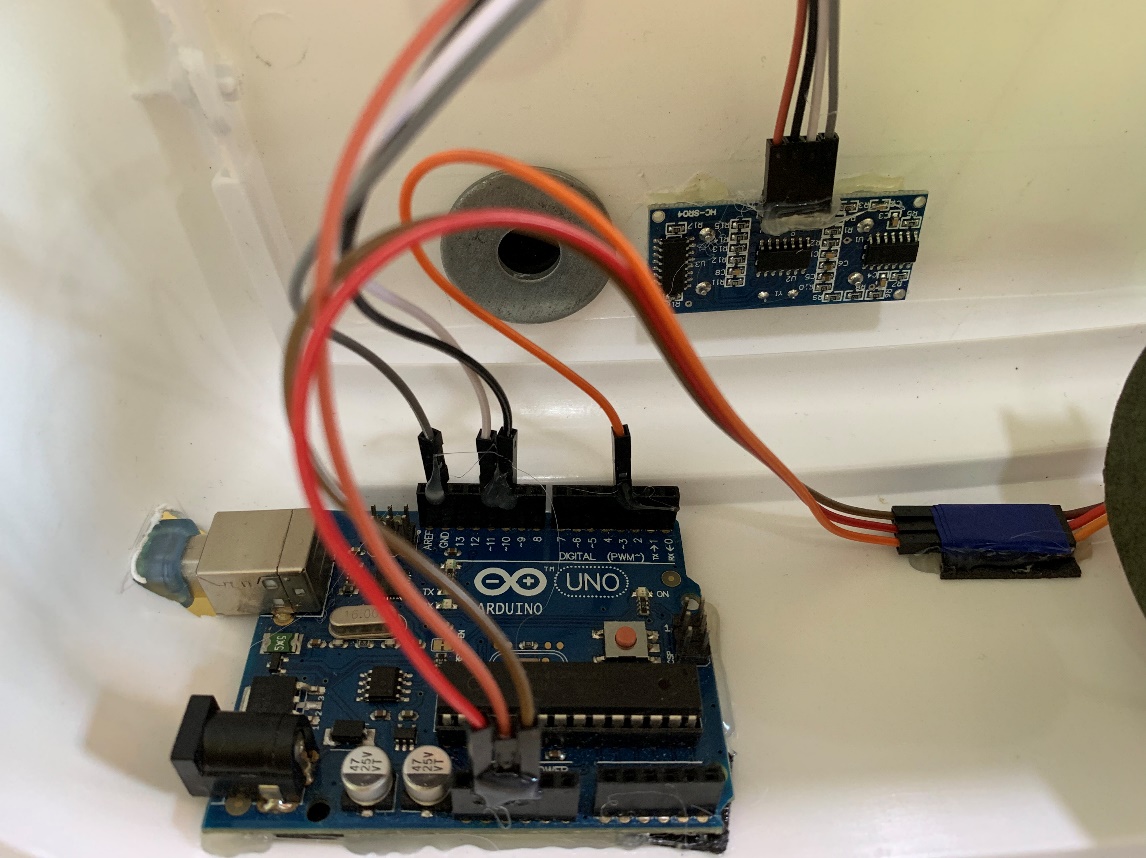
int echo = 11;

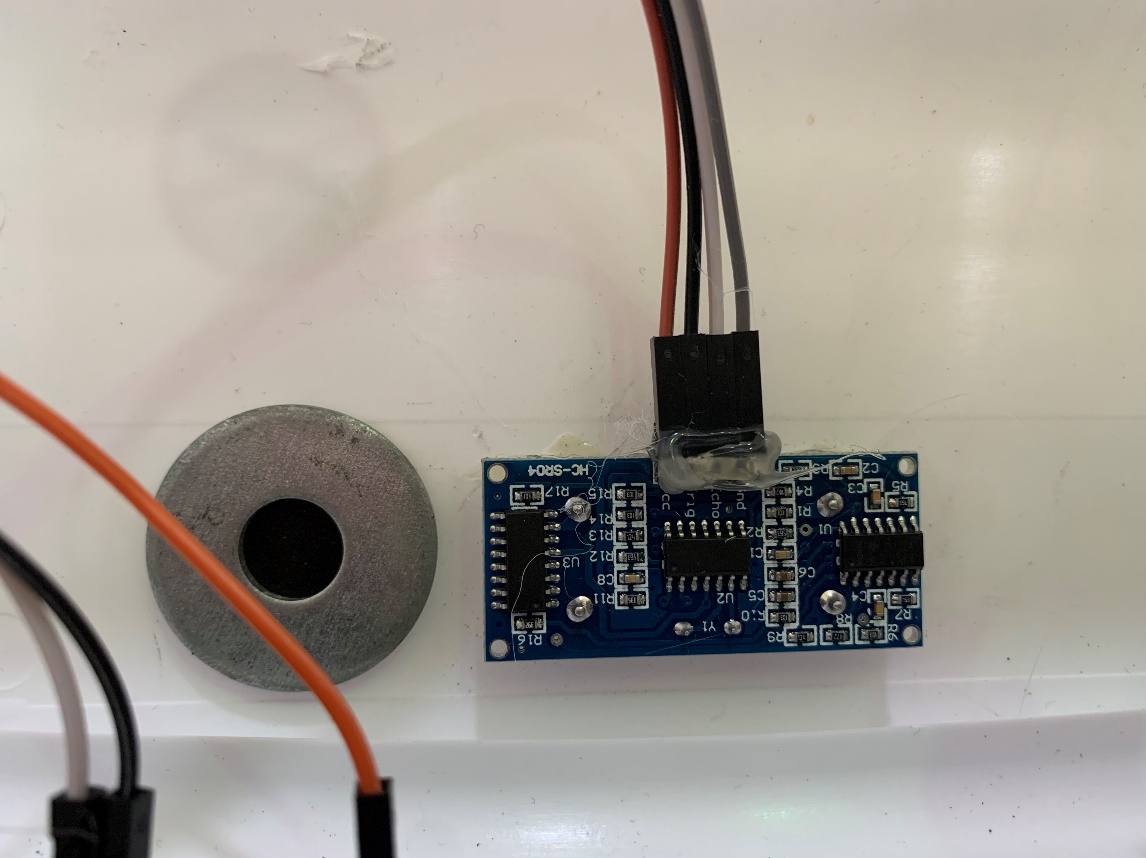
int servoPin = 3;

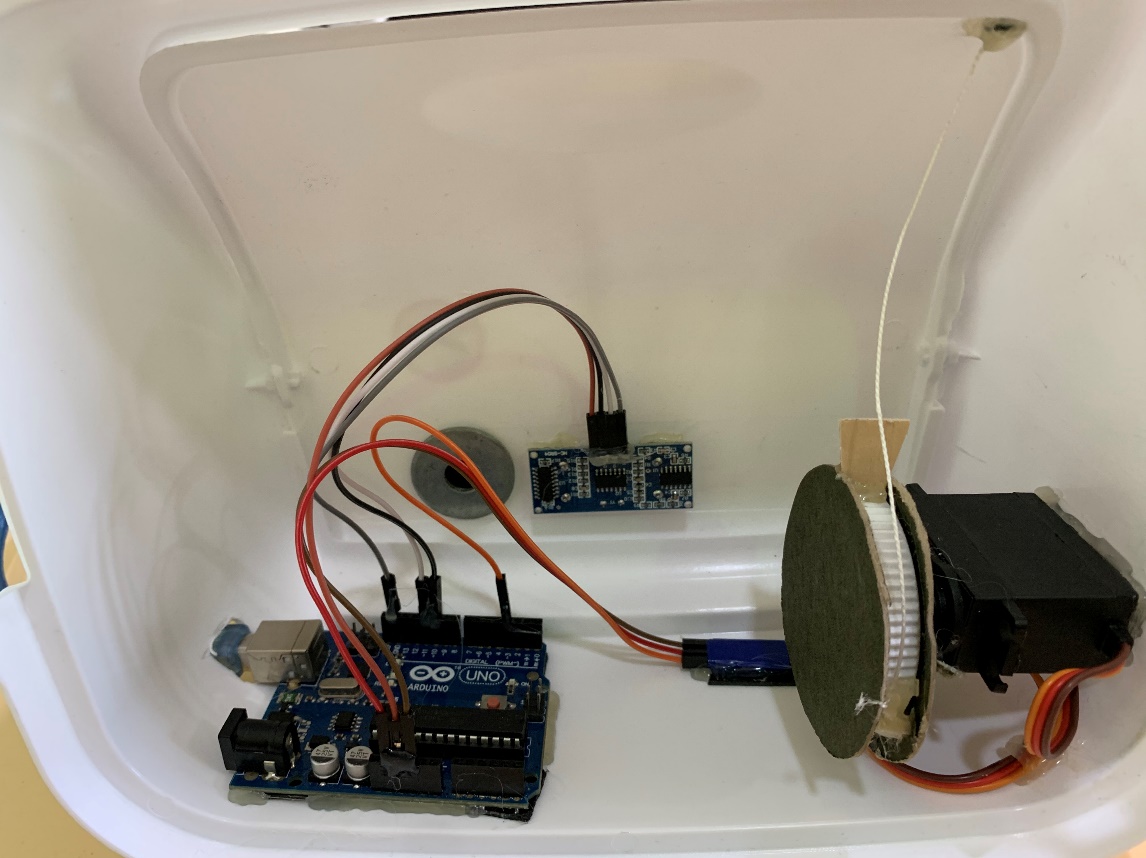
**Photos & Videos**

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[](https://github.com/GalliFrey7/smart_trash_bin/blob/main/2CC6D479-273E-4821-914C-BC262BAE91A4.jpeg)

[](https://github.com/GalliFrey7/smart_trash_bin/blob/main/891BF14D-8755-4DA2-853B-50A6D0CB1D66.jpeg)

[](https://github.com/GalliFrey7/smart_trash_bin/blob/main/B6733F7B-925F-40C1-BA2A-6519D985BFBC.jpeg)

[](https://github.com/GalliFrey7/smart_trash_bin/blob/main/D90F1AE3-3192-4B66-A2E1-7192CCD56CBE.jpeg)

**Built With**

* [Arduino IDE](https://www.arduino.cc/en/software)
* [Arduino Uno](https://en.wikipedia.org/wiki/Arduino_Uno)
* [Servomotor](https://en.wikipedia.org/wiki/Servomotor)
* [Ultrasonic Sensor HC-SR04](https://lastminuteengineers.com/arduino-sr04-ultrasonic-sensor-tutorial/)