

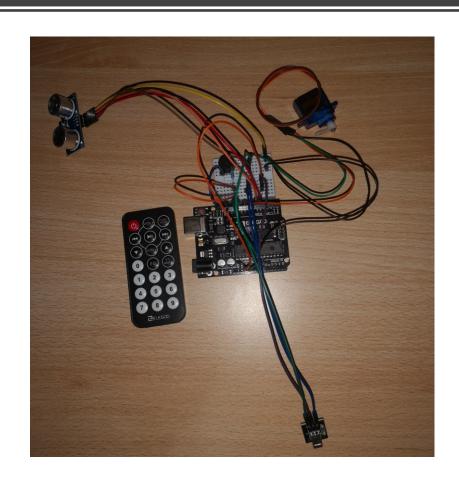
Main Functions

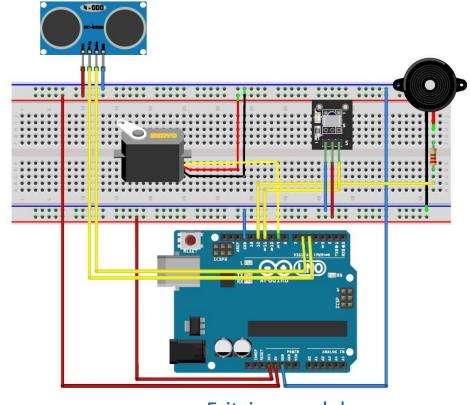
- Opening and closing the bin by reading the infrared code generated by a remote control (IR remote library).
- The code read is interpreted by the IR receiver module that drives a servo motor (<u>Servo</u> <u>library</u>).
- When the bin is opened, the ultrasonic sensor checks whether a certain level has been reached or not, if so, the bin is full. In the latter case, the internal buzzer alerts the user through an alarm (Time Free Tone library).

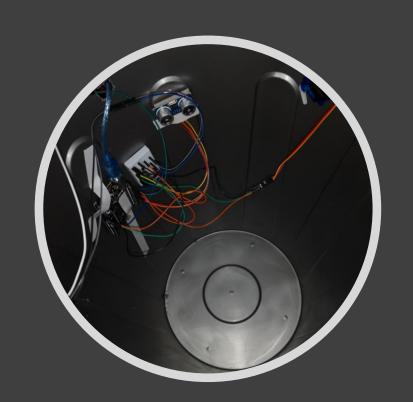
Implementing technology



Schematic representation











Final product Arduino Code