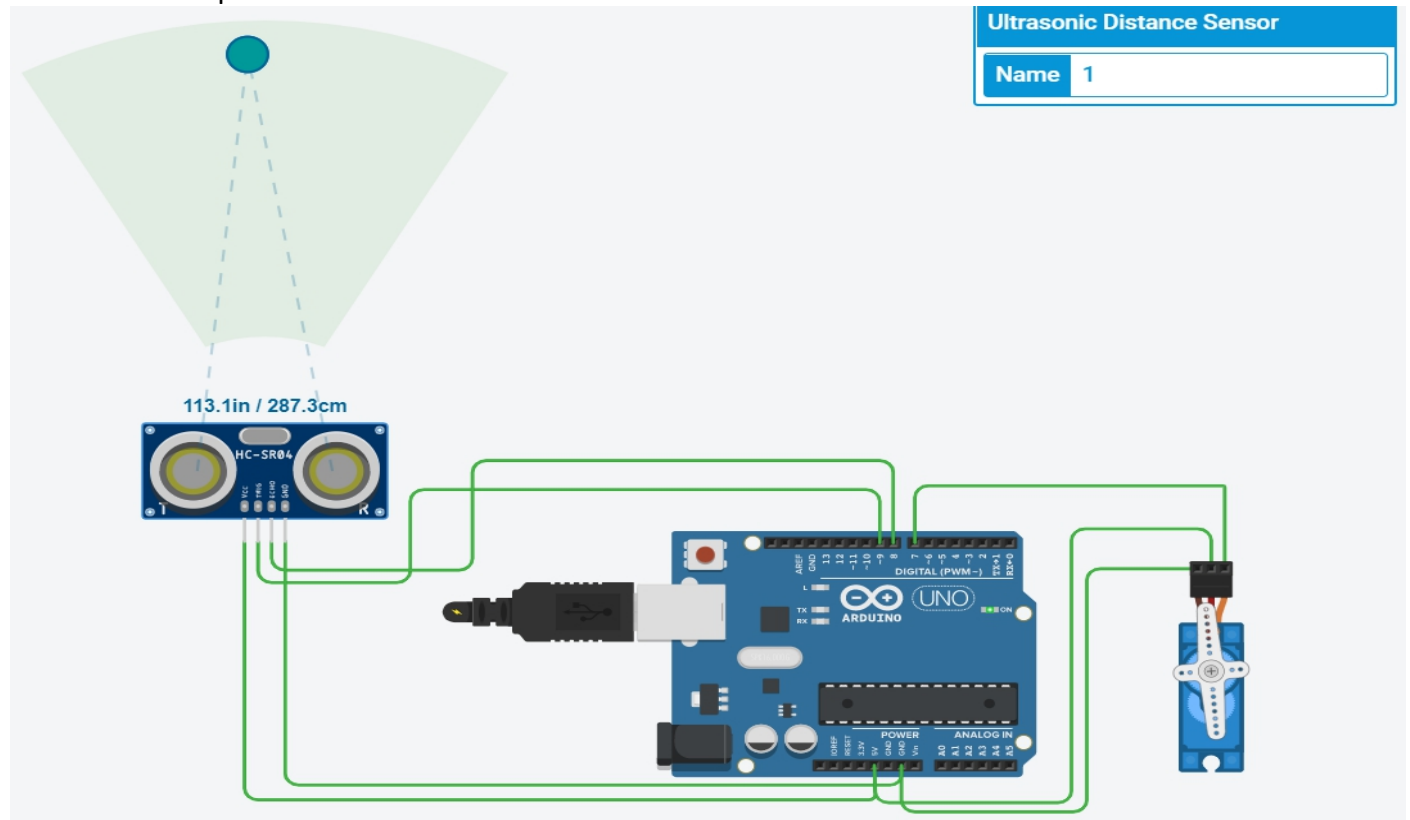


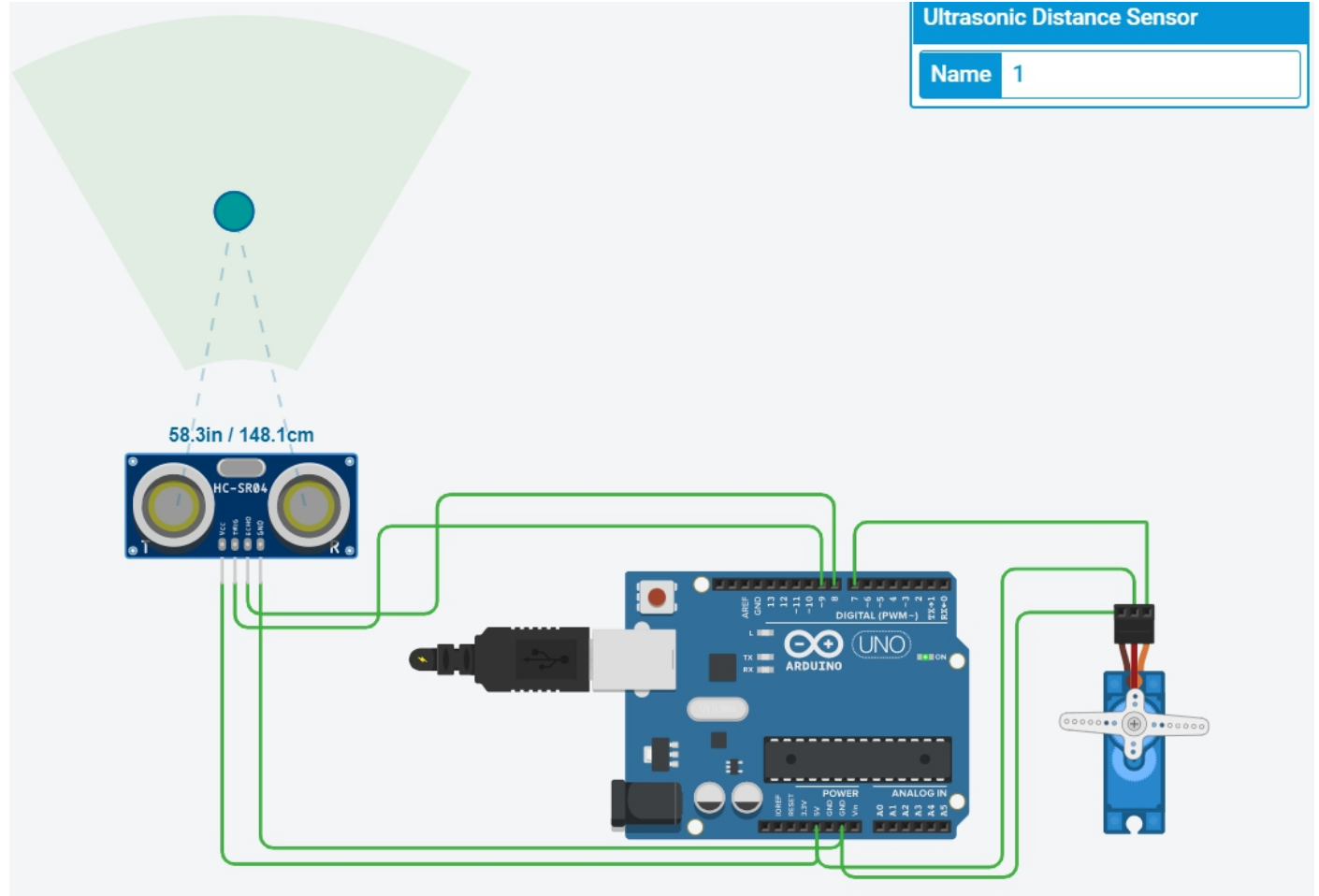
Develop an "Automatic garage door opening system". Use an Ultrasonic sensor to detect if there is a vehicle in front of the garage. if any vehicle is detected open the garage door (rotate the servo motor) for some time and close it.

# TINKERCAD CIRCUIT:

1. When the object distance from the sensor is more than 200 cm , the motor will not rotate and stays at its initial closed position that means the door is closed.



2. When the object distance is less than 200 cm , the motor will rotate 90 degrees and from its initial position.



3. After the object gets inside, then the motor will go back to its initial position after some time (6 sec delay).

