Sequence of actions:
Animal triggers RFID
    Pi receives RFID signal
    Send a pulse to Arduino via GPIO 11
    Arduino receives pulse in Digital pin 4
    Arduino triggers servo to OPEN_DOOR
    - Gate opens

Animal triggers beam break
    Arduino triggers servo to CLOSE_DOOR
    Arduino sends a pulse to Pi via Digital Pin 3

    - Gate closes behind him
    Pi receives pulse via GPIO 13
    Pi triggers Openscale
    Pi triggers matplotlib data acquisition and plotting
    - Weighing process initializes

    - Weighing process finishes

GPIO 11 = Pi_2_Arduino

GPIO 13 = Arduino_2_Pi

ground into breadboard
5v into breadboard

Servo1
(data)
5v
ground
ground

pResistor1
(data)
5v
(10 kΩ resistor)

ground

5v
(220 Ω resistor)

Usb0
(on top)

Usb1
(on bottom)