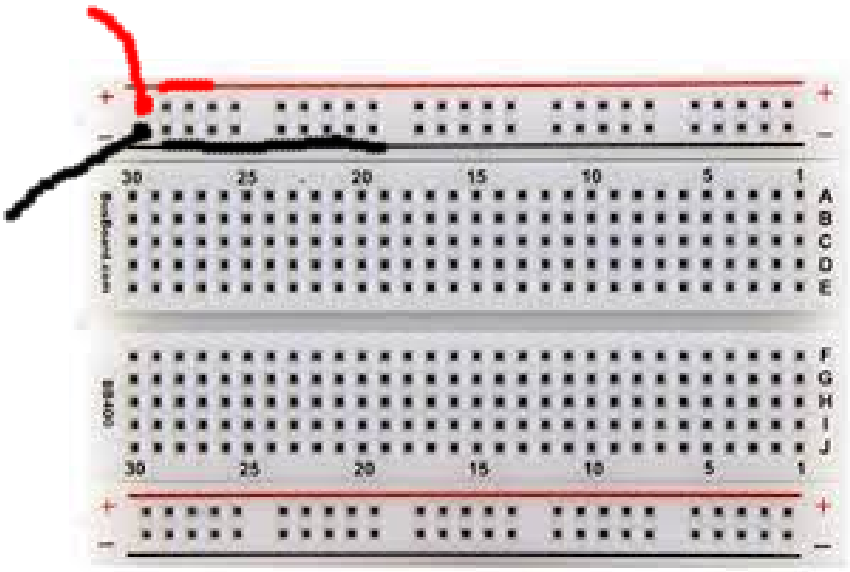
Step 1: Pairing

To pair the ps4 controller hold down the share and ps button until it starts flashing. It then should connect to the arduino. When the flashing white light turns blue, it means it is connected.

Step 2: Breadboard

Connect a wire from any 5v to the top row as shown in the picture below. This is where all the power cables from the servos are going to connect

Connect a wire from any ground to the second row as shown. This is where all the grounds from the servos and motors are going to connect.



Step 3: Servos

The servos have three wires each. The brown wire is for ground, so connect a wire from any hole of the second row on the breadboard to the brown wire. You are gonna do this for all 3 Servos.
The red wire is for power, so connect a wire from the top row to the red wire, Repeat for all servos.
The yellow wire is for data. Start from the port/left side. Connect a wire from yellow to pin 11. Repeat the same step but connect to pin 12 and pin 13.

Step 4: Motors

Similarly to the servos, the motors have the same 3 wires. However, we are not going to use the red wire. We are only using the brown and yellow wires. Connect the brown wires to ground (Second row)

Start from the left. Connect the yellow wires to pins 8, 9, and 10

PS4 Controls:

Left joystick controls speed. Pushing forward will increase the speed. Moving the stick in any other direction will not do anything. It just checks how far up you are pushing it

Right joystick controls steering. You control the steering by moving the stick left to right. Pushing left steers left, and pushing right steers right. Once again it only cares for left and right motion.

Pressing the Square button will limit the max speed to 50% for slower tests.