Instructions Musical Instrument (Theremin)

1. The LDR should be placed on the breadboard parallel to the central groove in the position marked on the diagram. Make sure that the pin of the LDR is in its own column on the breadboard if you are looking at the breadboard in a landscape position.

2. Place one leg of the 5KOhm resistor in the same column as the LDR's left pin. Place the other pin of the resistor in a new column four holes to the left.

3. Now place the Piezo buzzer on the other side of the central groove with a row of holes between it and the central pins.

4. Connect two of the Male to Male jumper wires to the breadboard, in the same columns as the Piezo buzzer. Connect one of those jumper wires to the same column of the breadboard as the resistor. Connect the other jumper wire so that it's one row away from the edge of the breadboard, in a column on its own.

5. The remaining jumper wires will be attached to the bottom row of the breadboard as follows: Connect the first one to the same column as the last jumper wire you placed; Then connect a jumper wire to the same column as the left pin of the resistor; Now place a jumper wire in the same column as the right leg of the resistor, which is also the column containing the left leg of the LDR. Finally, place a jumper wire in the same column as the right leg of the LDR.

6. Upload the code to the Arduino UNO and connect your project!