

WASHING MACHINE

(Interface Simulation)

WITH ARDUINO



Project Brief:

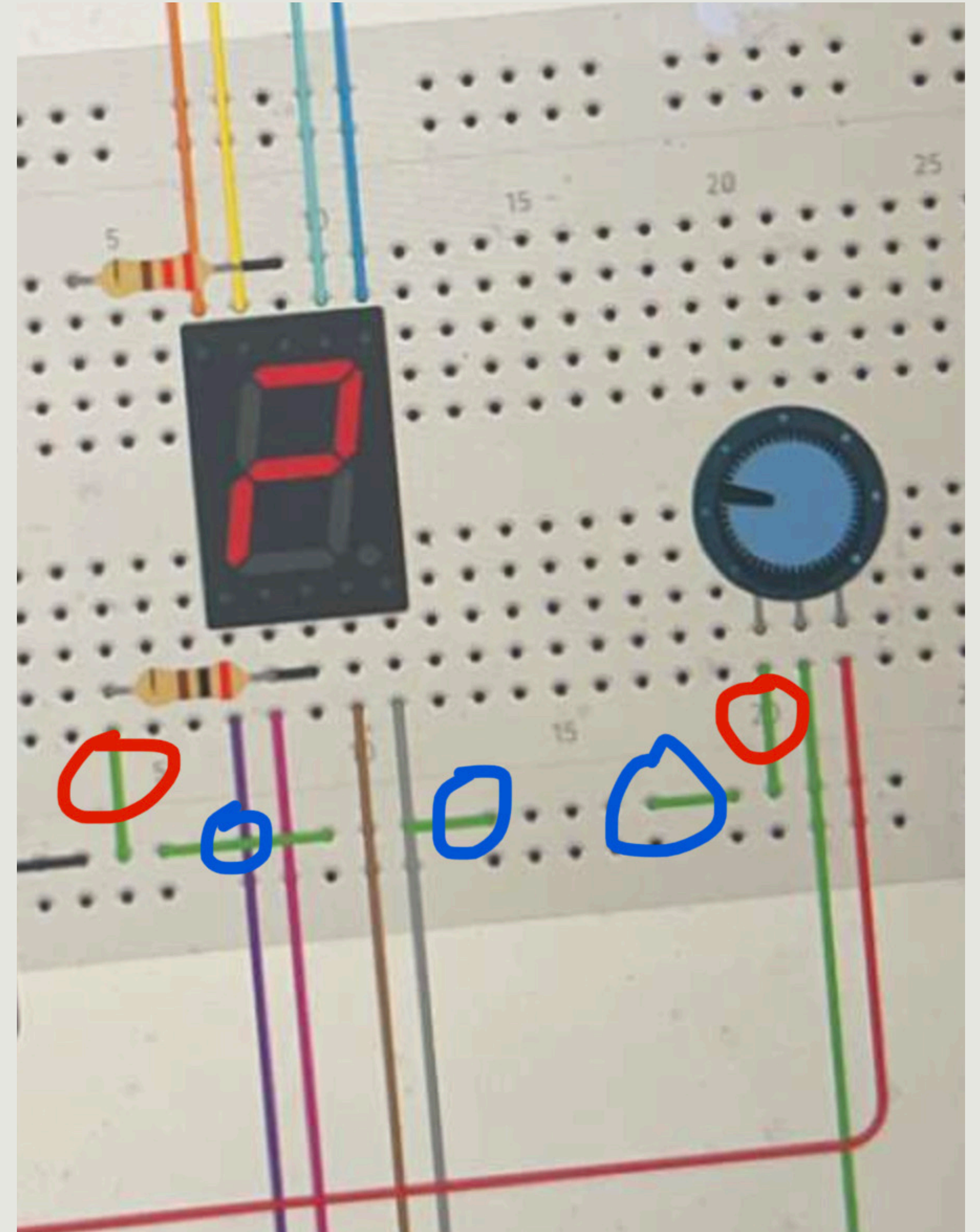
1. Project Brief

The goal of this project is to simulate a washing machine's control panel / interface. Using both hardware components and C++ to build the four following features:

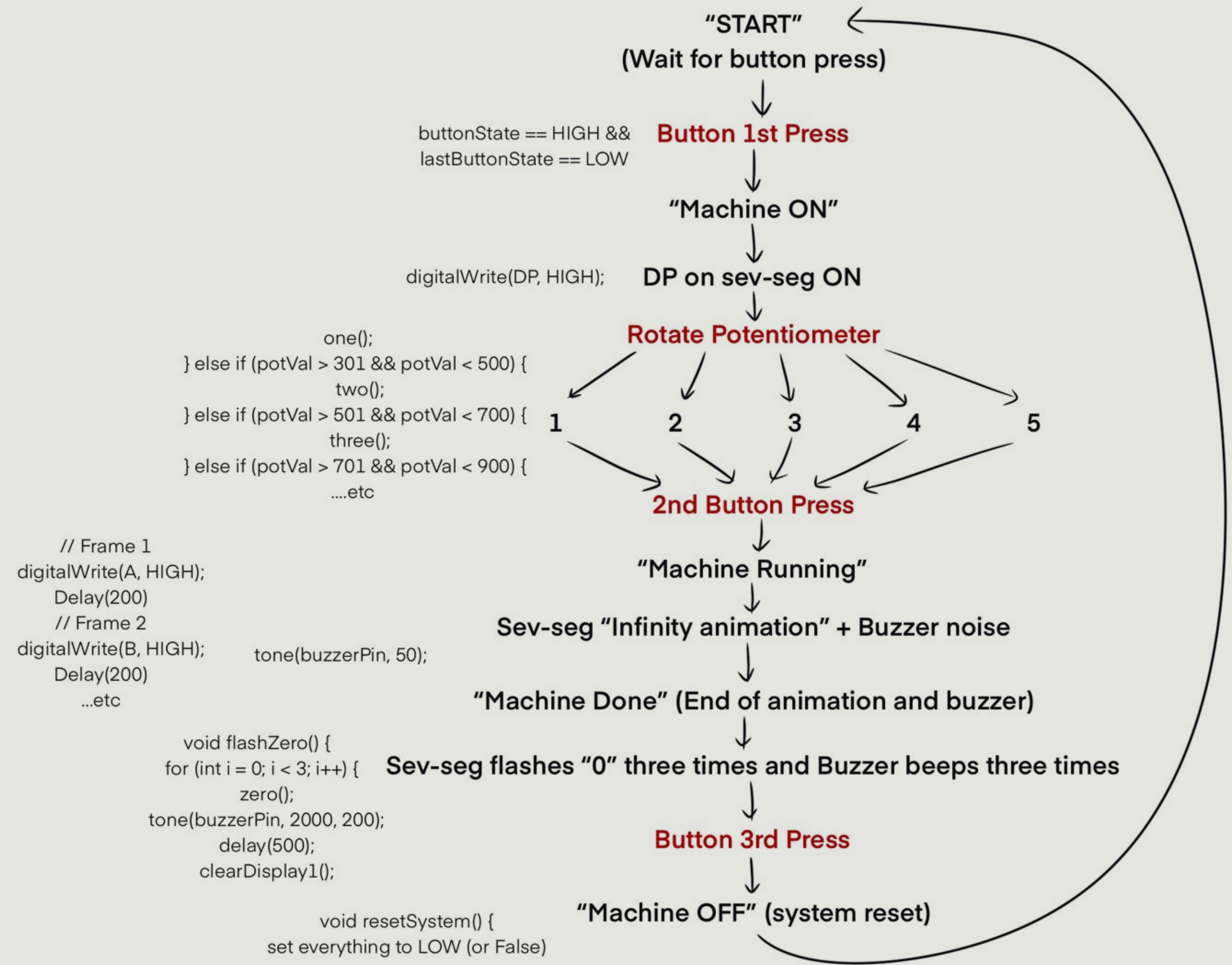
- Button Controls (ON/OFF & Mode selection function)
- Machine running simulation
- Machine finished simulation
- Serial Monitor

Hardware Components list:

- Arduino Uno (Microcontroller)
- Seven-Segment Display (Common Cathode)
- Pushbutton
- Potentiometer
- Buzzer
- 2x 10K Ohm, 1x 200 Ohm Resistors
- Breadboard and Wires



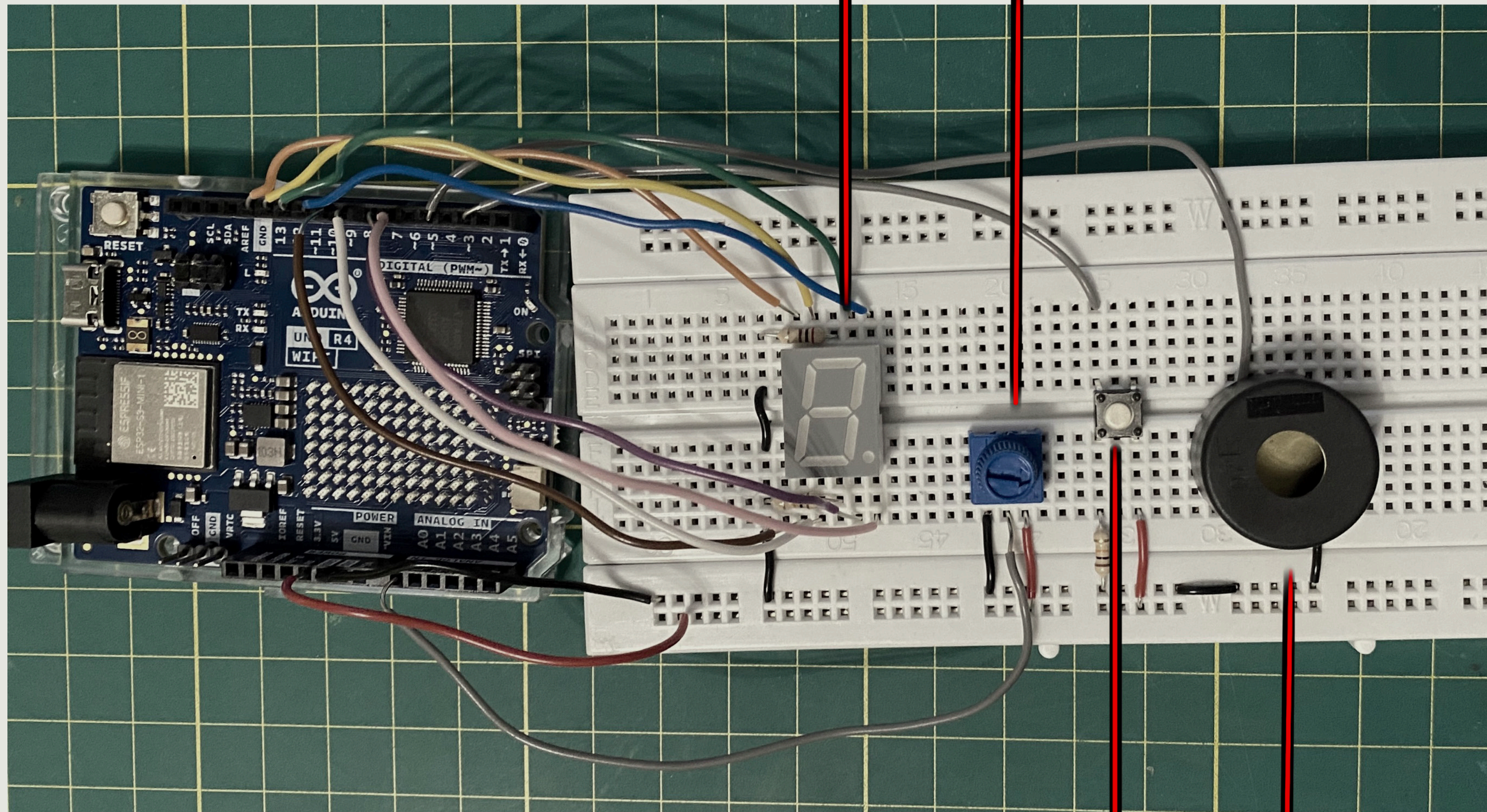
Flow-Chart



FINAL BREADBOARD

Seven seg display

Potentiometer

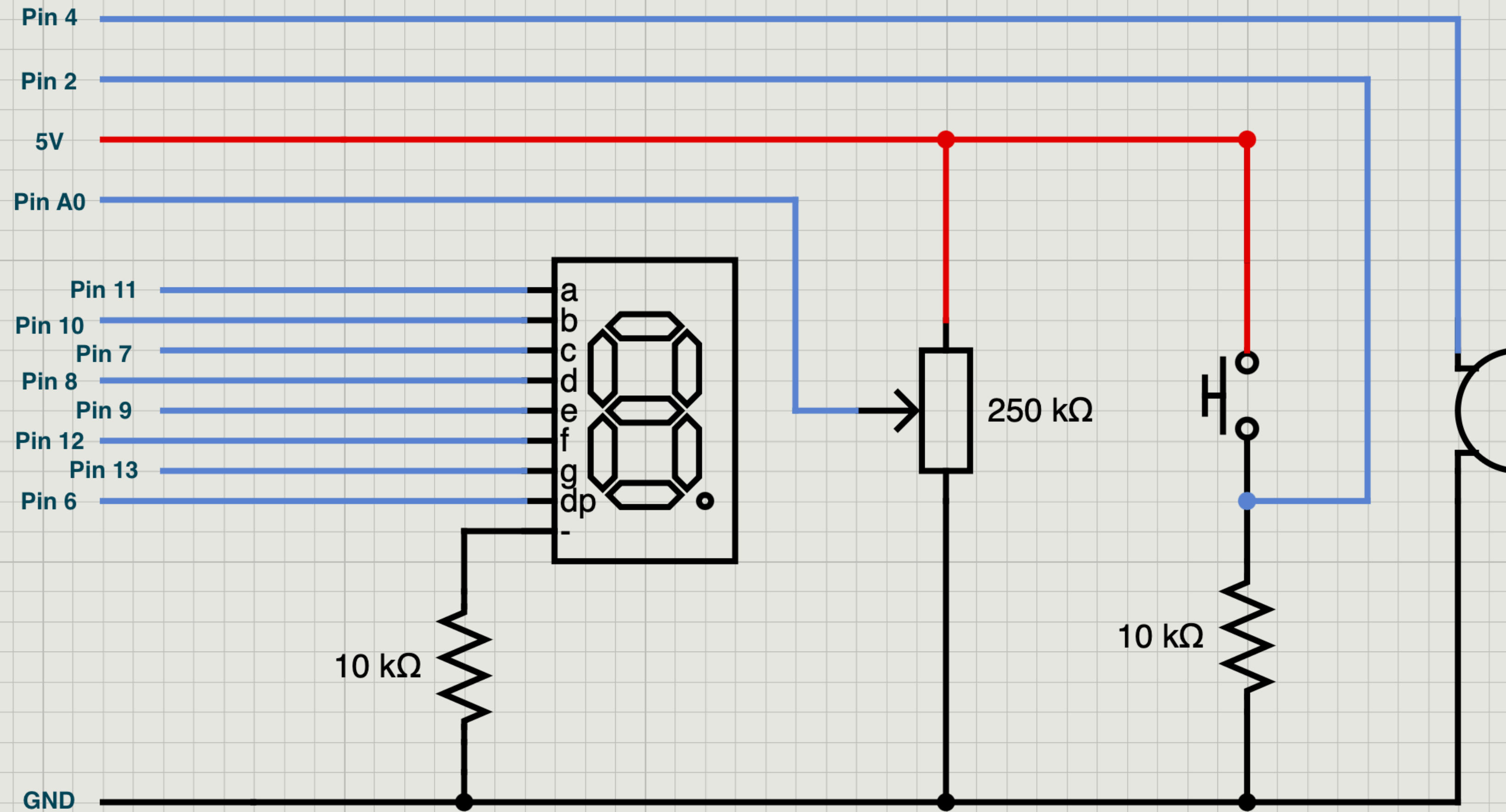


Button

Buzzer

CIRCUIT DIAGRAM

ARDUINO Connections:



See Tinkercad for full code:

<https://www.tinkercad.com/things/cZn4W0D7aK8-washing-machine-interface?sharecode=iEXEnf0f0m1nN6wZRI1jV0sjqzfuf06szVCsII704Cc>

