

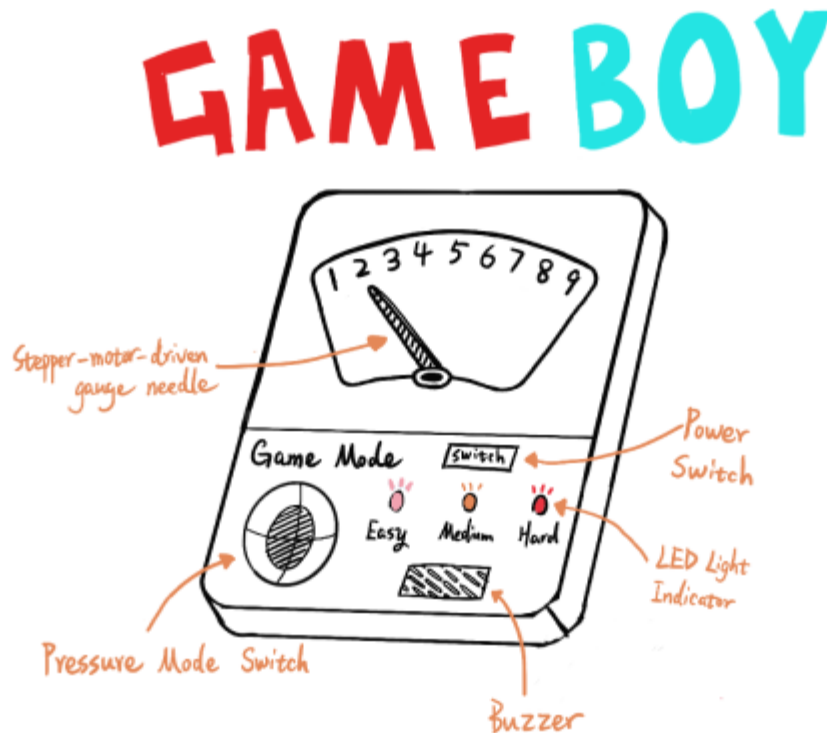
System Architecture with Diagram

Dial Lock Memory Gameboy

Brief

I want to make a memory training product which references the design of a combination carousel lock. The user needs to memorize a string of numbers randomly generated by the system, and judge whether they have memorized them by clicking on the numbers in sequence.

Sketches

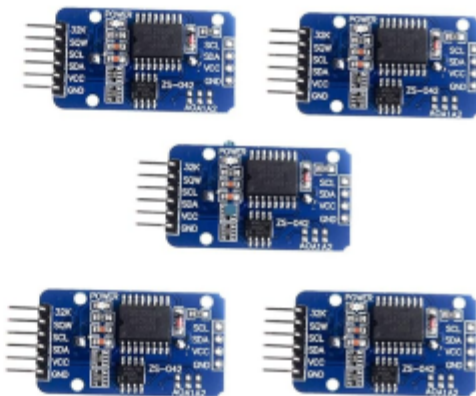


Sensor

1x Pressure Sensor
FSR



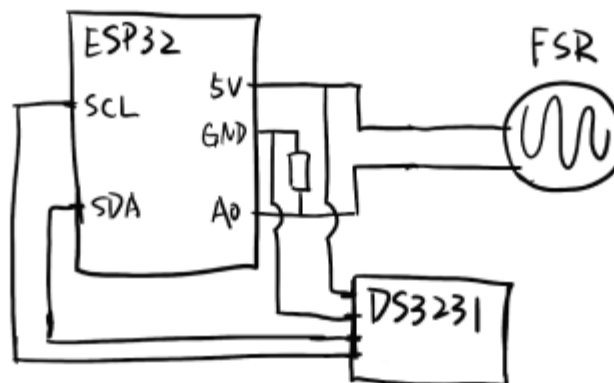
1x Timer alarm clock
DS3241



Select the game mode as well
as the difficulty of the game
by using the pressure sensor

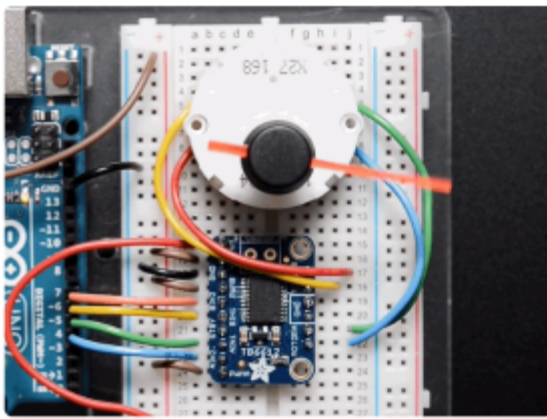
Count and record the time,
if spent to much time game
will be over.

Sketch



Display

1x Stepper-motor-driven gauge needle



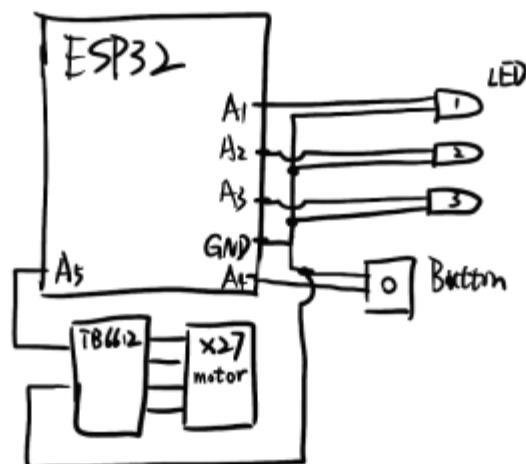
Use the rotation of the needle to indicate the number, and return directly to the origin in case of input errors

3x LED Light

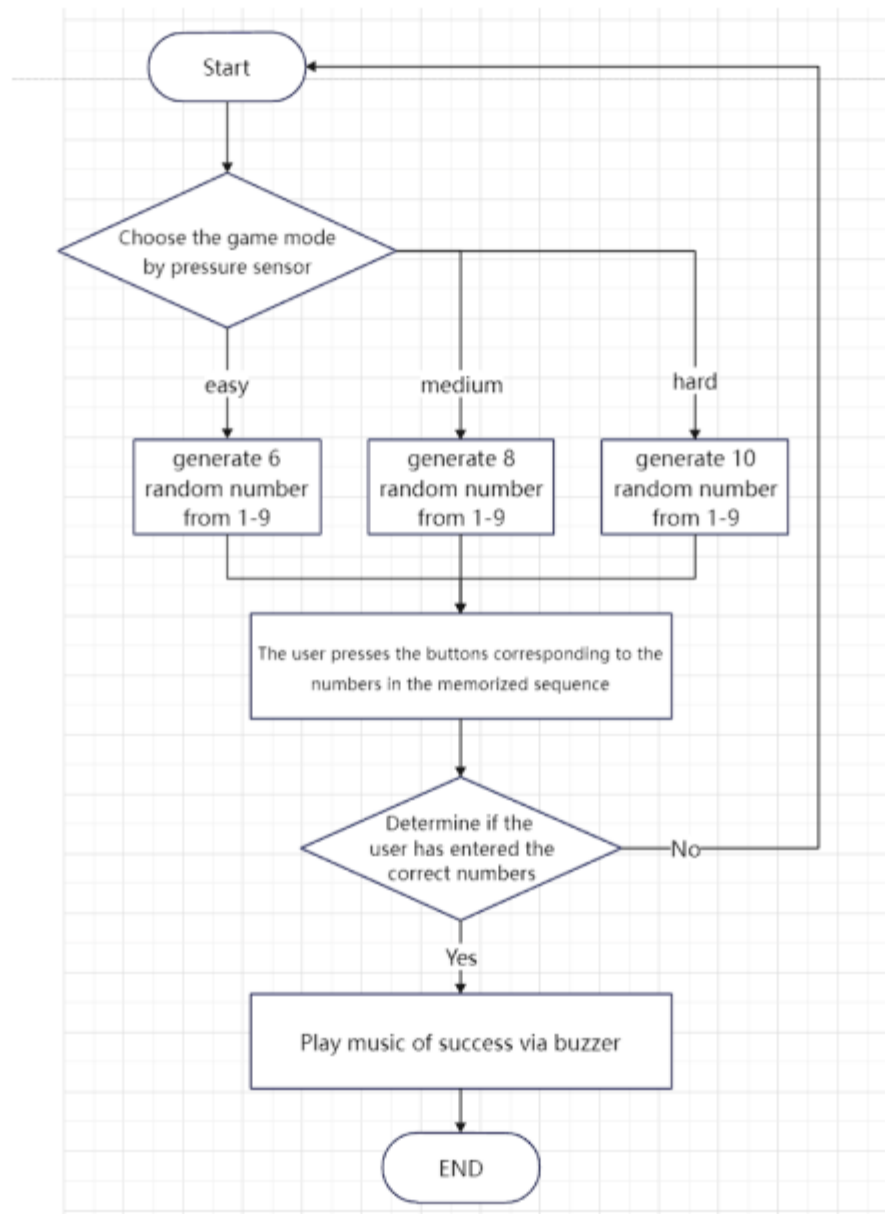


Use the LEDs to indicate the game mode and whether or not you have answered correctly.

Sketch



Diagram



Connection

