

# SMART BIN

IOT system Support for manage Bin at apartment

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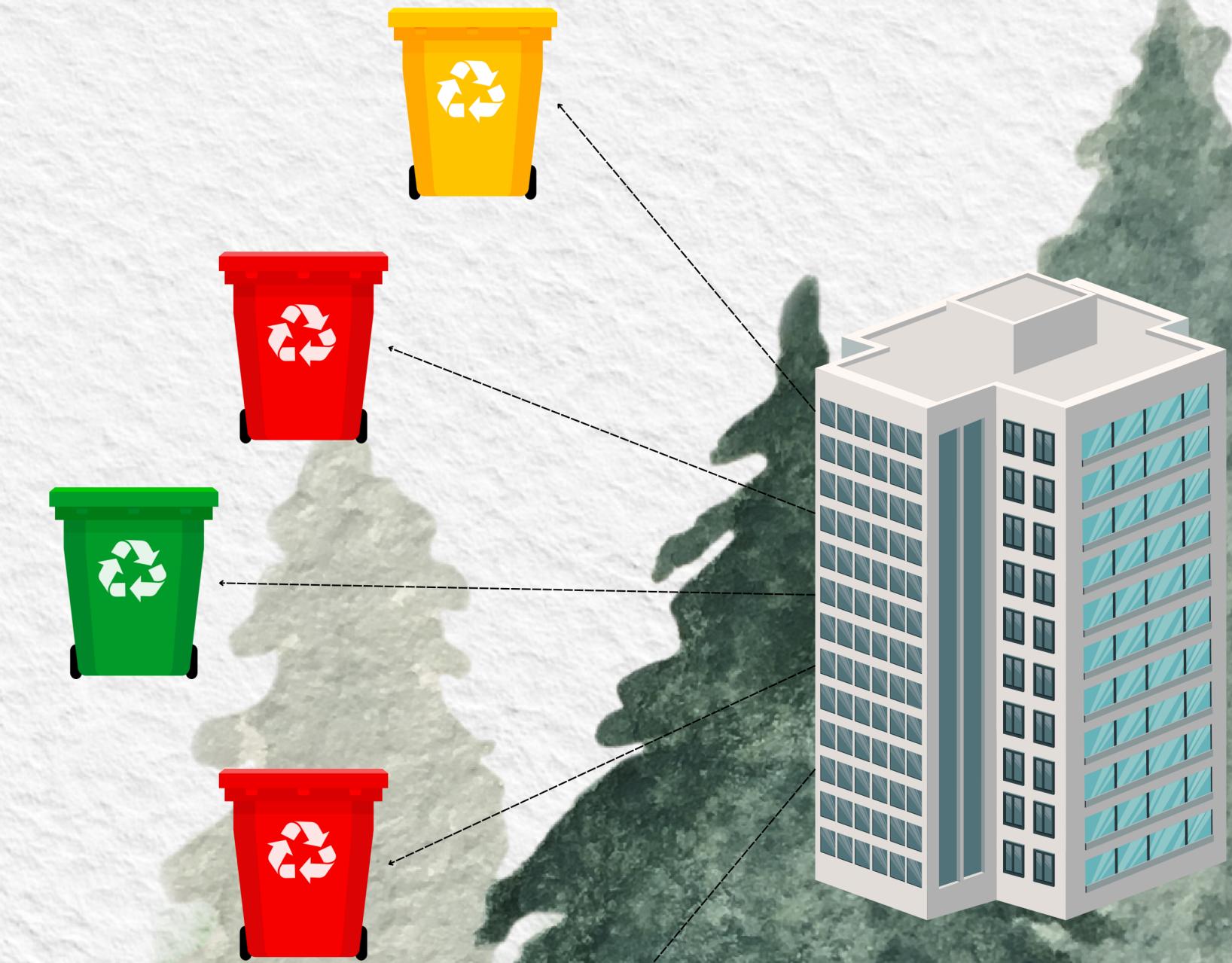


# CONTENT

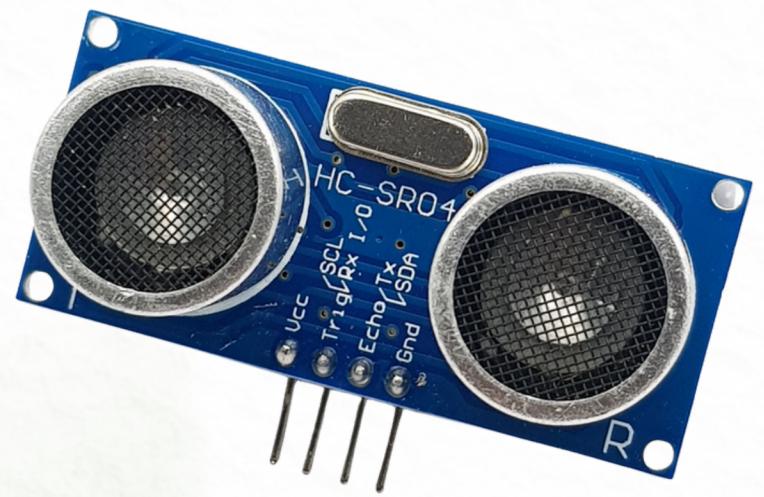
1. Introduction Problem
2. Flatform ( hardware + software )
3. System architecture
4. Demo project

# PROBLEM

An apartment building has many floors, each with many trash cans. How to control such many trash cans without having to check each one?



# PLATFORM



SRFO4 Ultrasonic Distance Measuring



Servo SG90



NODEMCU-ESP8266 Wifi

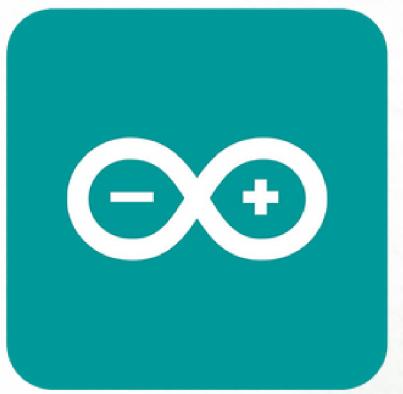


Arduino Uno R3

# PLATFORM SOFTWARE

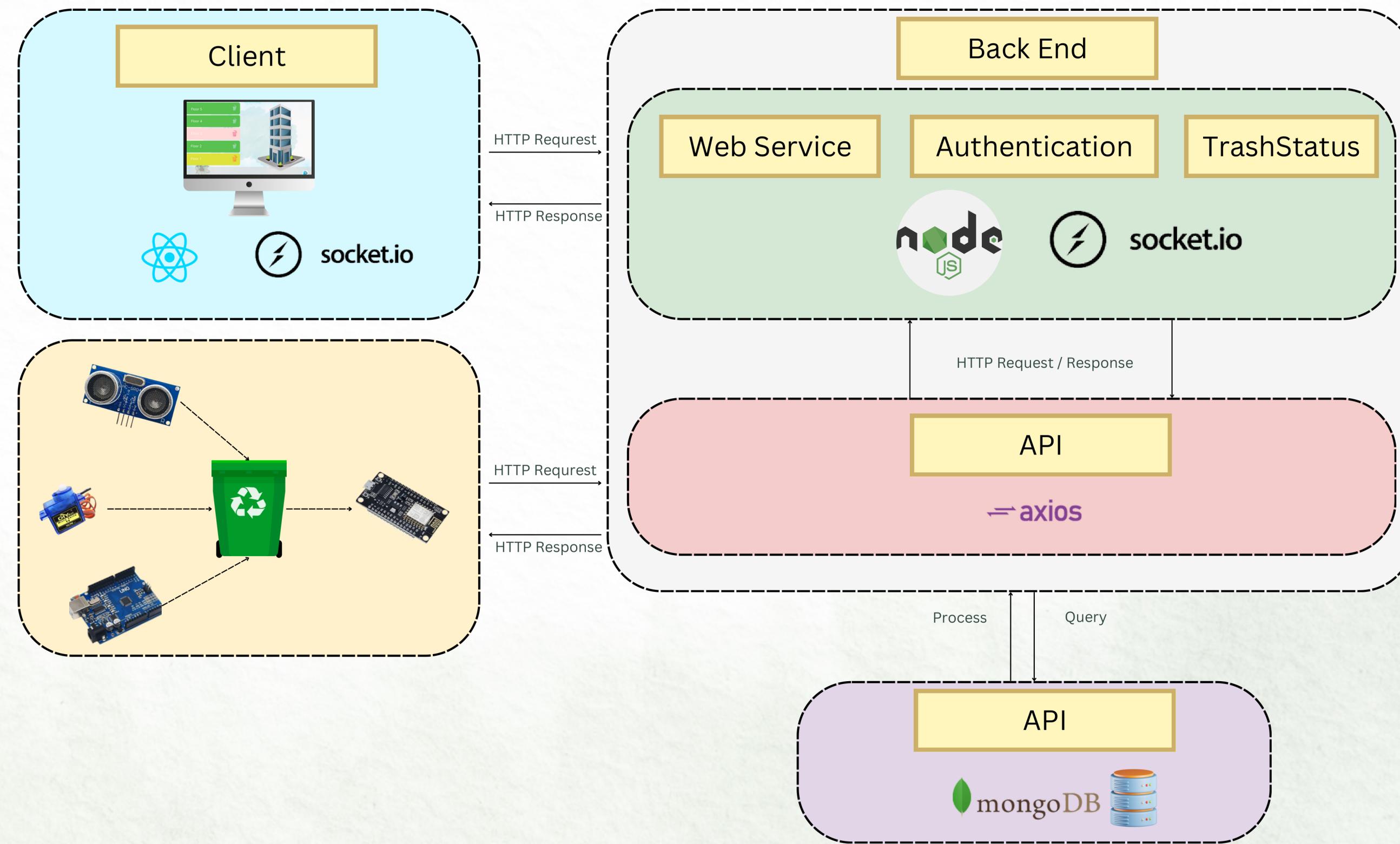


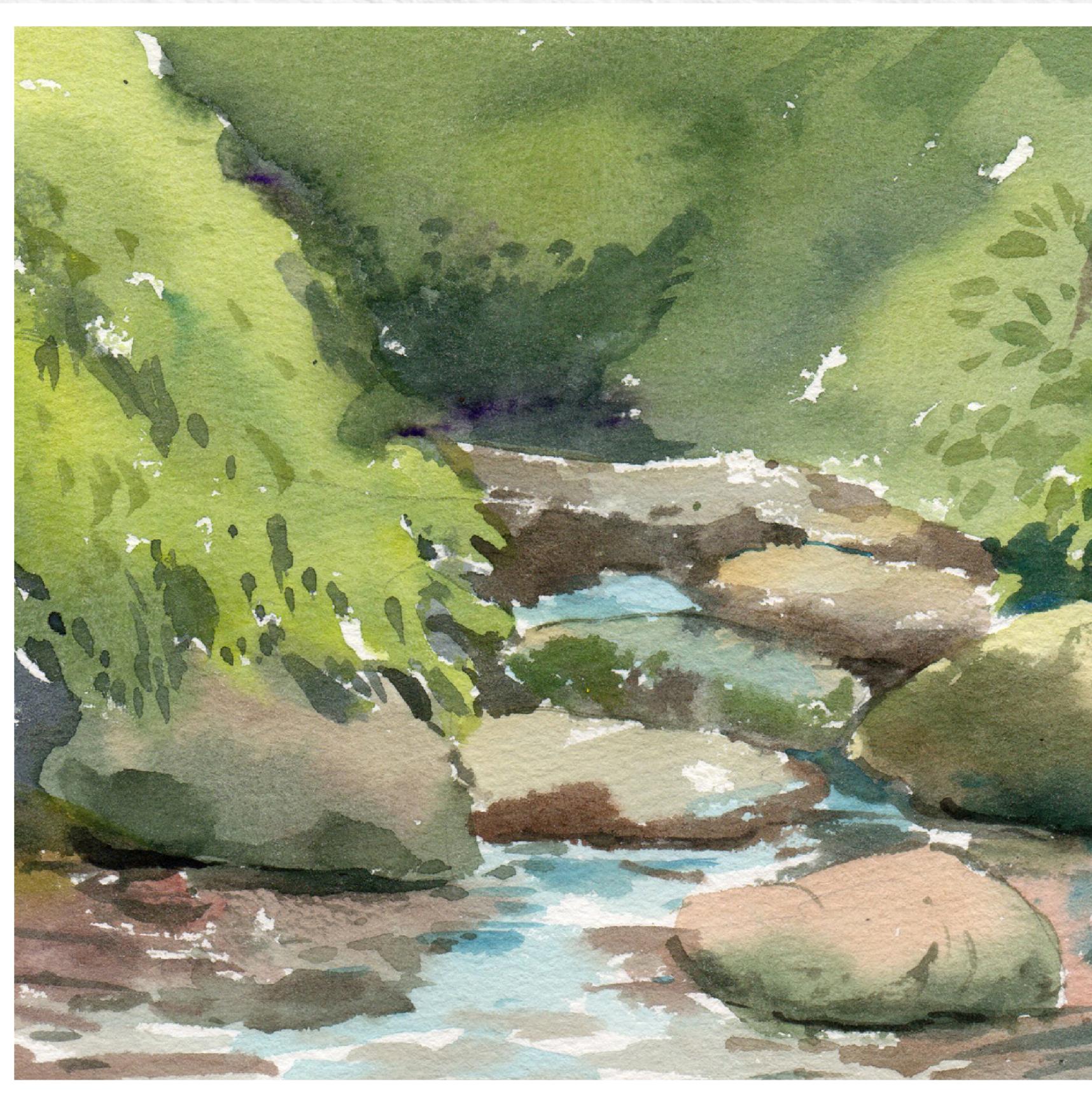
Visual studio code



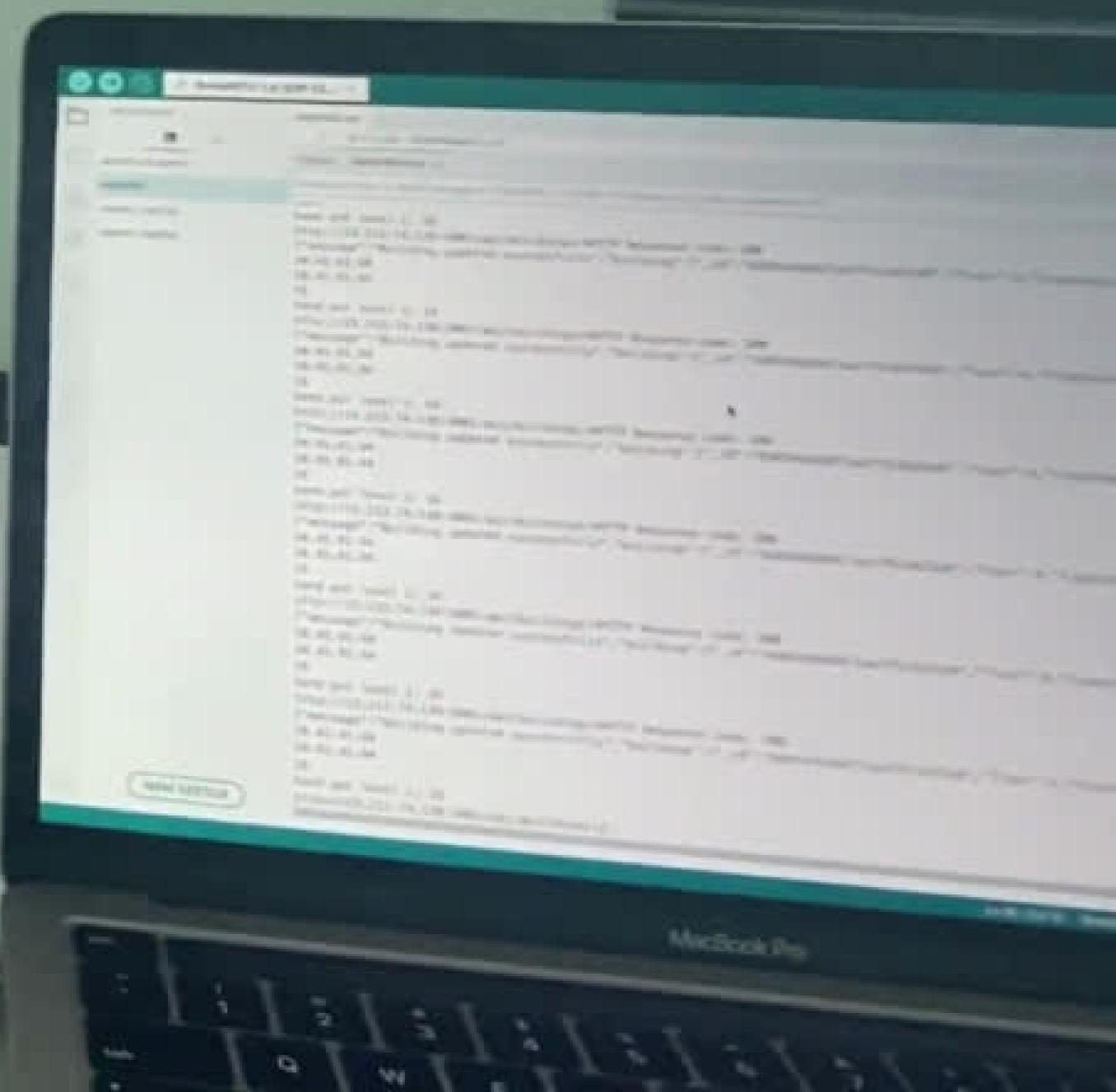
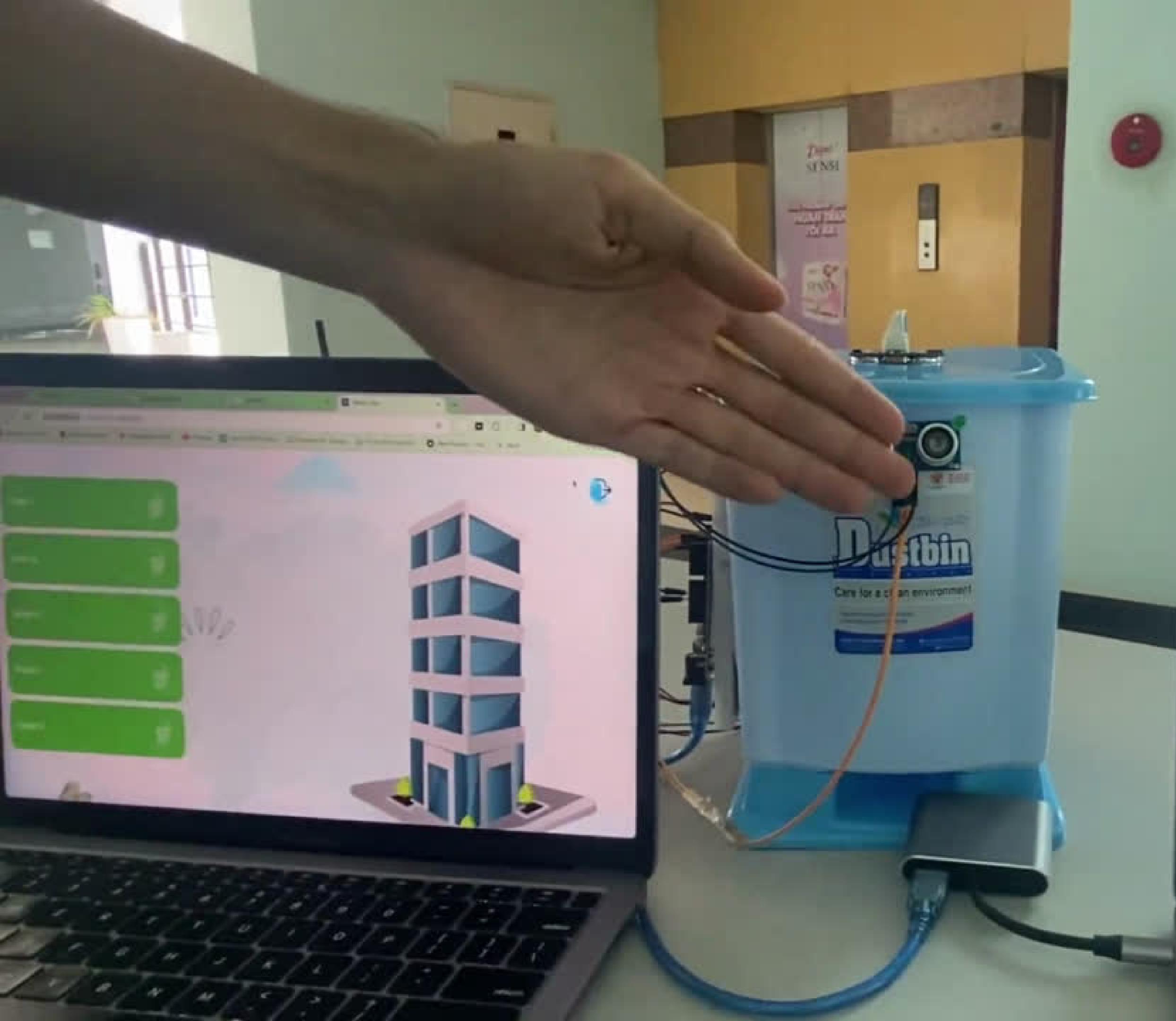
Arduino IDE

# SYSTEM ARCHITECTURE





**DEMO**



# GROUP 8

Number	Student name	ID	Tasks
1	Nguyễn Nhất Thưởng	20522000	Warning when trash is full, design UI/UX, deploy website, bin setting
2	Lê Văn Sỹ	205221854	Automatic opening and closing the trash lid, write API, bin setting

**THANK YOU  
FOR  
LISTENING**

