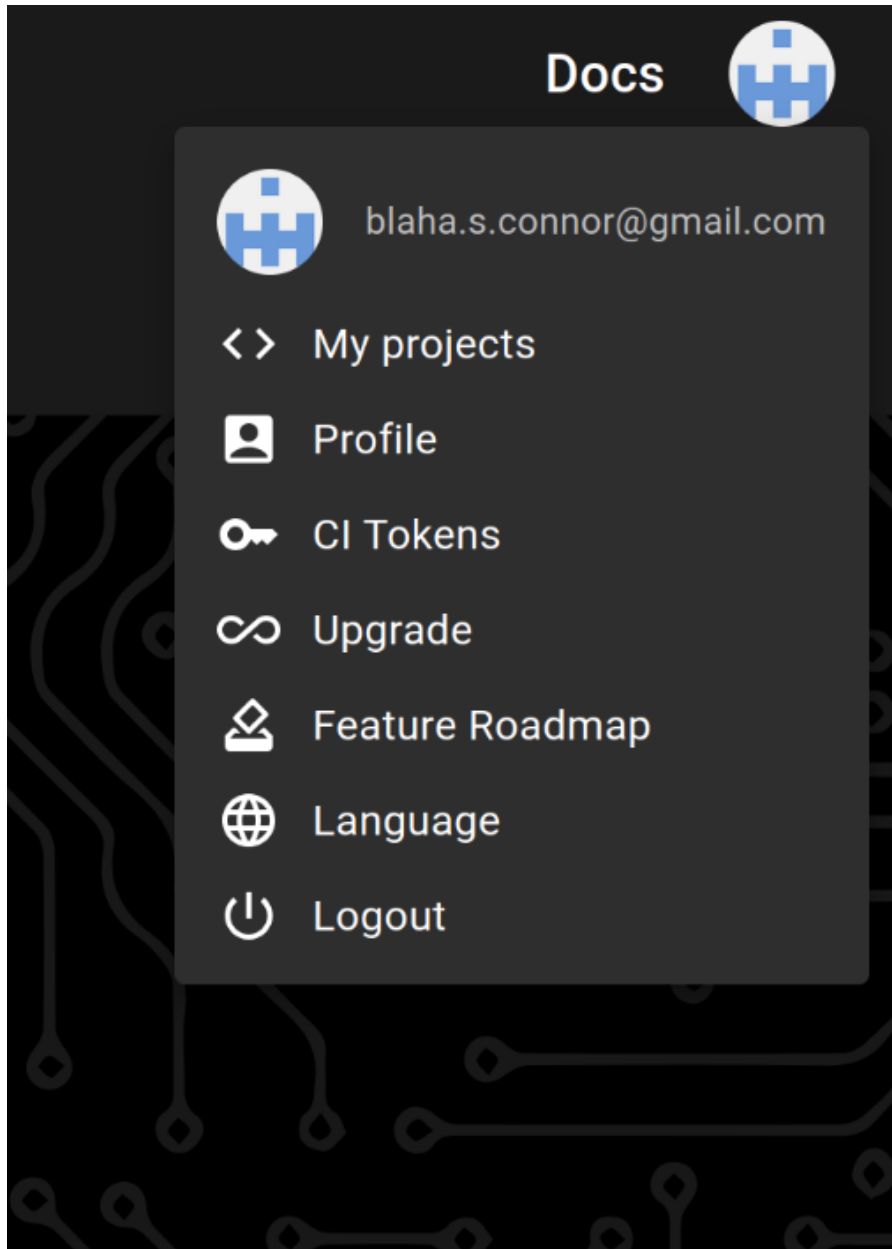
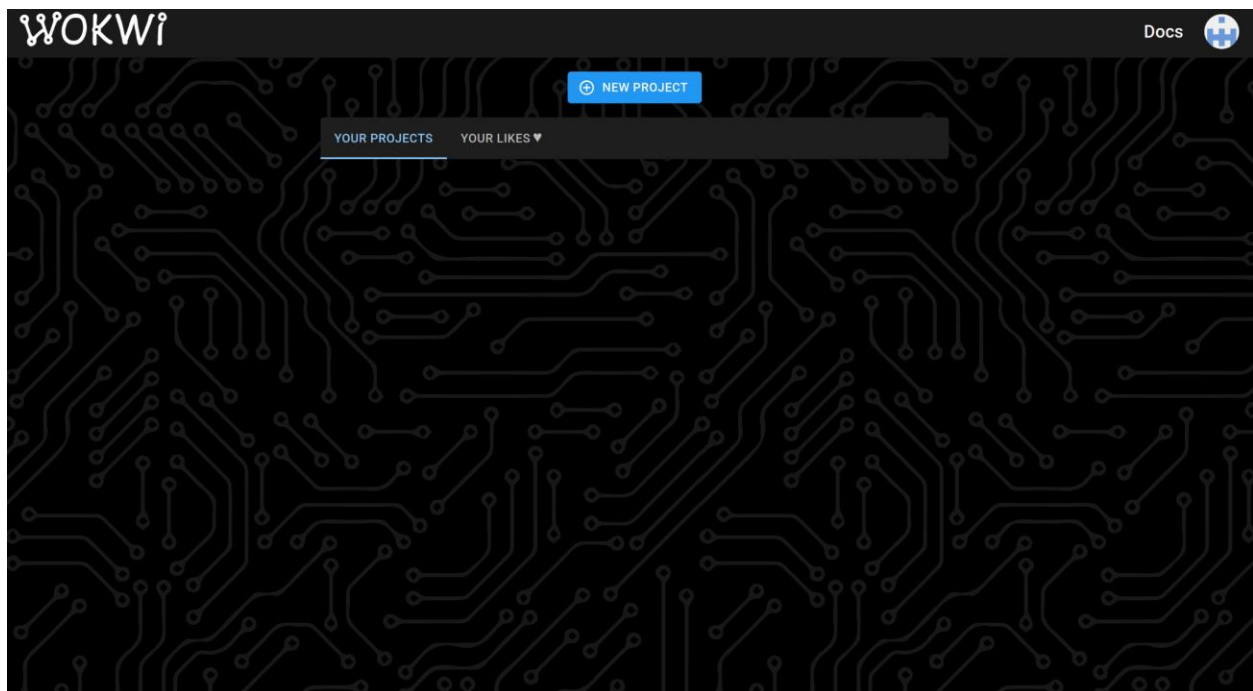


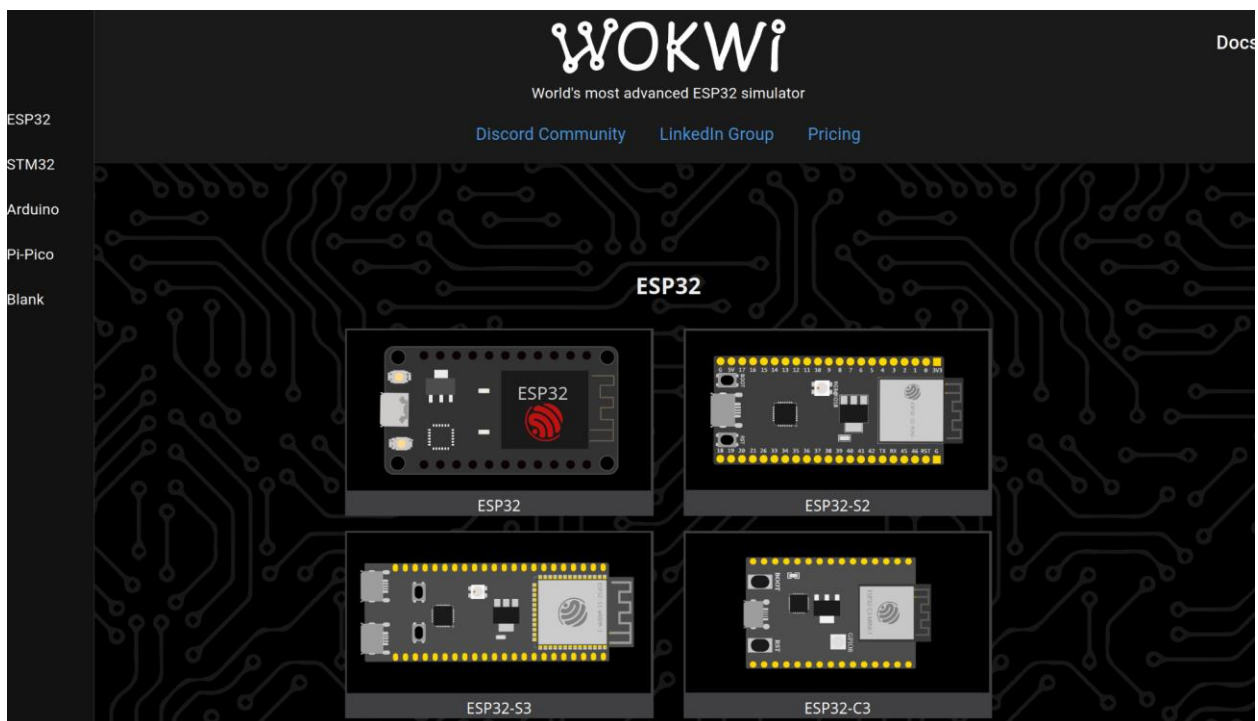
Step 1 and 2) proof of account creation



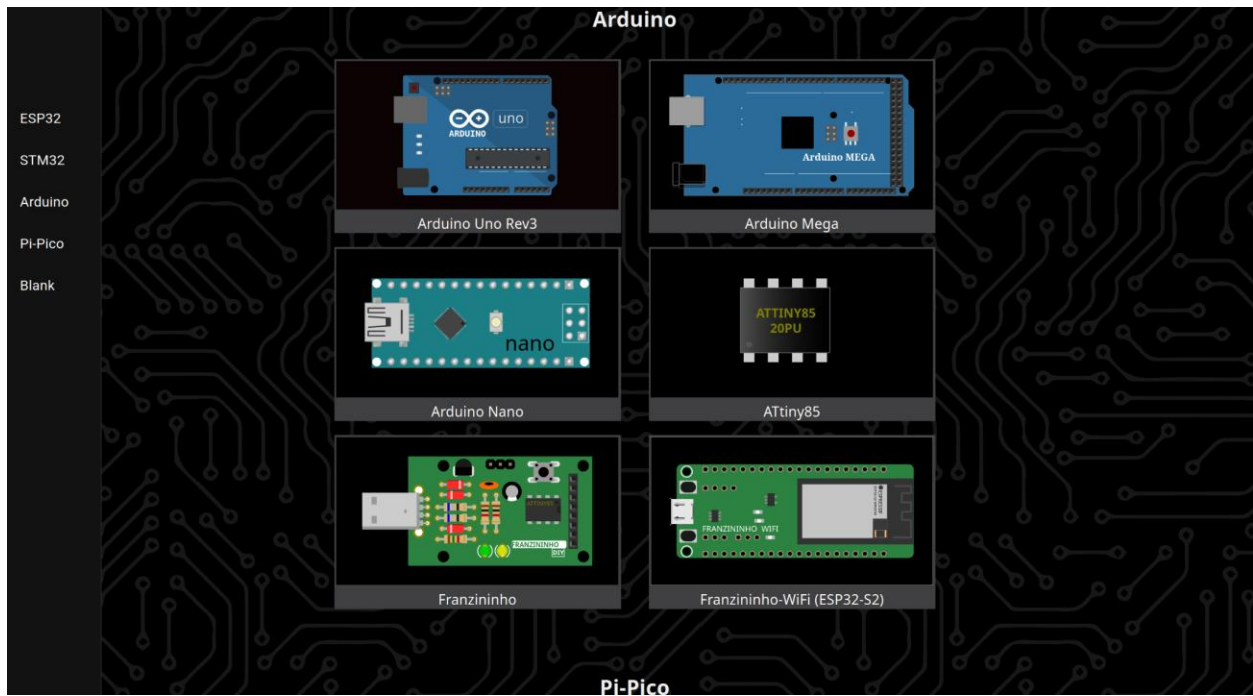
Step 3) Proof of access to projects page through clicking my projects



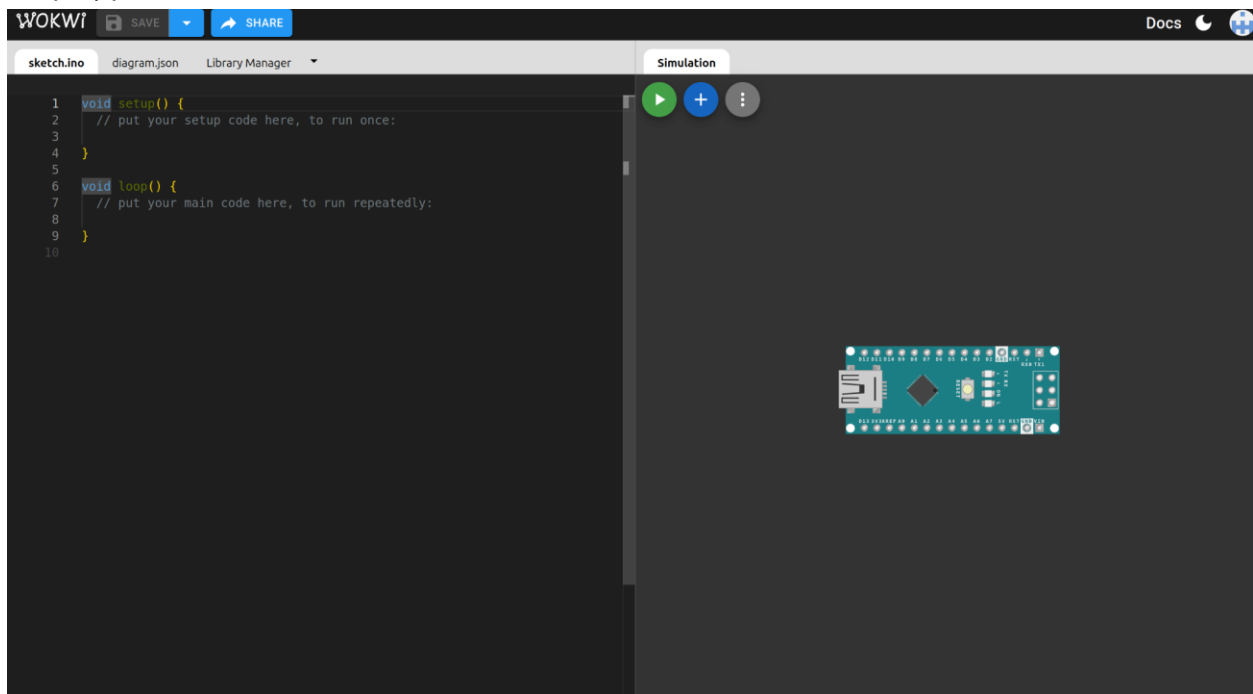
Step 4) after clicking new project



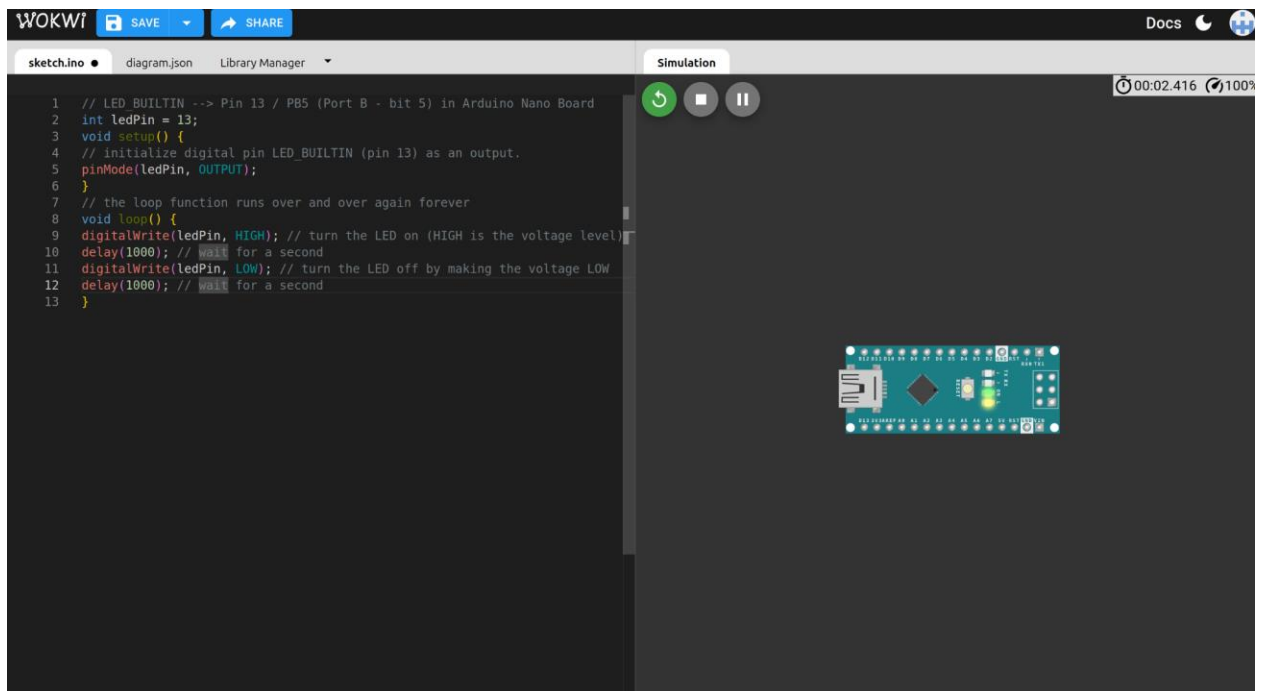
Step 5) showing arduino nano



Step 6) proof of editor



step 7-8) Showing both lights on



Step 9) showing the code copied and the light blinking on and off

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Library Manager

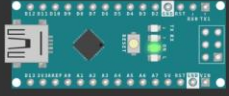
Simulation

00:04.100 100%

```

9  #define BITS_MASK 0x20 // Bit map - 0010 0000 --> Pin 5
10
11 #define PORTB_MASK 0x25 // Address of Portb
12 #define DDRB_MASK 0x24 // Address of DDRB
13
14 unsigned char *portDDRB; // Pointer for DDRB
15 unsigned char *portB; // Pointer for PortB
16
17 // Determine MyDelay function
18 void MyDelay(unsigned long mSec);
19
20 // The setup function runs once when you press reset or power the board
21 void setup() {
22   // Port B
23   portDDRB = (unsigned char *) DDRB_MASK;
24   *portDDRB |= BITS_MASK; // Configure bit 5 as an output
25   portB = (unsigned char *) PORTB_MASK;
26   *portB &= ~BITS_MASK;
27 }
28
29 // the loop function
30 void loop() {
31   *portB |= BITS_MASK; // LED On:  xx1x xxxx
32   MyDelay(1000); // about 1 second
33   *portB &= ~BITS_MASK; // LED OFF: xx0x xxxx
34   MyDelay(1000); // about 1 second
35 }
36
37 // Define MyDelay function
38 void MyDelay(unsigned long mSec)
39 {
40   volatile unsigned long i;
41   unsigned long endT = 500 * mSec;
42   for (i = 0; i < endT; i++);
43 }
44

```



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Library Manager

Simulation

00:13.465 99%

```

9  #define BITS_MASK 0x20 // Bit map - 0010 0000 --> Pin 5
10
11 #define PORTB_MASK 0x25 // Address of Portb
12 #define DDRB_MASK 0x24 // Address of DDRB
13
14 unsigned char *portDDRB; // Pointer for DDRB
15 unsigned char *portB; // Pointer for PortB
16
17 // Determine MyDelay function
18 void MyDelay(unsigned long mSec);
19
20 // The setup function runs once when you press reset or power the board
21 void setup() {
22   // Port B
23   portDDRB = (unsigned char *) DDRB_MASK;
24   *portDDRB |= BITS_MASK; // Configure bit 5 as an output
25   portB = (unsigned char *) PORTB_MASK;
26   *portB &= ~BITS_MASK;
27 }
28
29 // the loop function
30 void loop() {
31   *portB |= BITS_MASK; // LED On:  xx1x xxxx
32   MyDelay(1000); // about 1 second
33   *portB &= ~BITS_MASK; // LED OFF: xx0x xxxx
34   MyDelay(1000); // about 1 second
35 }
36
37 // Define MyDelay function
38 void MyDelay(unsigned long mSec)
39 {
40   volatile unsigned long i;
41   unsigned long endT = 500 * mSec;
42   for (i = 0; i < endT; i++);
43 }
44

```

