SMART HOME

SUBMITTED BY

Rathi. R

Reg. no : 961819106044

ECE , 4th year

Ponjesly college of

Engineering

B12-6A2E

DOOR BUZZER USING PIR SENSOR AND PUSH BUTTON
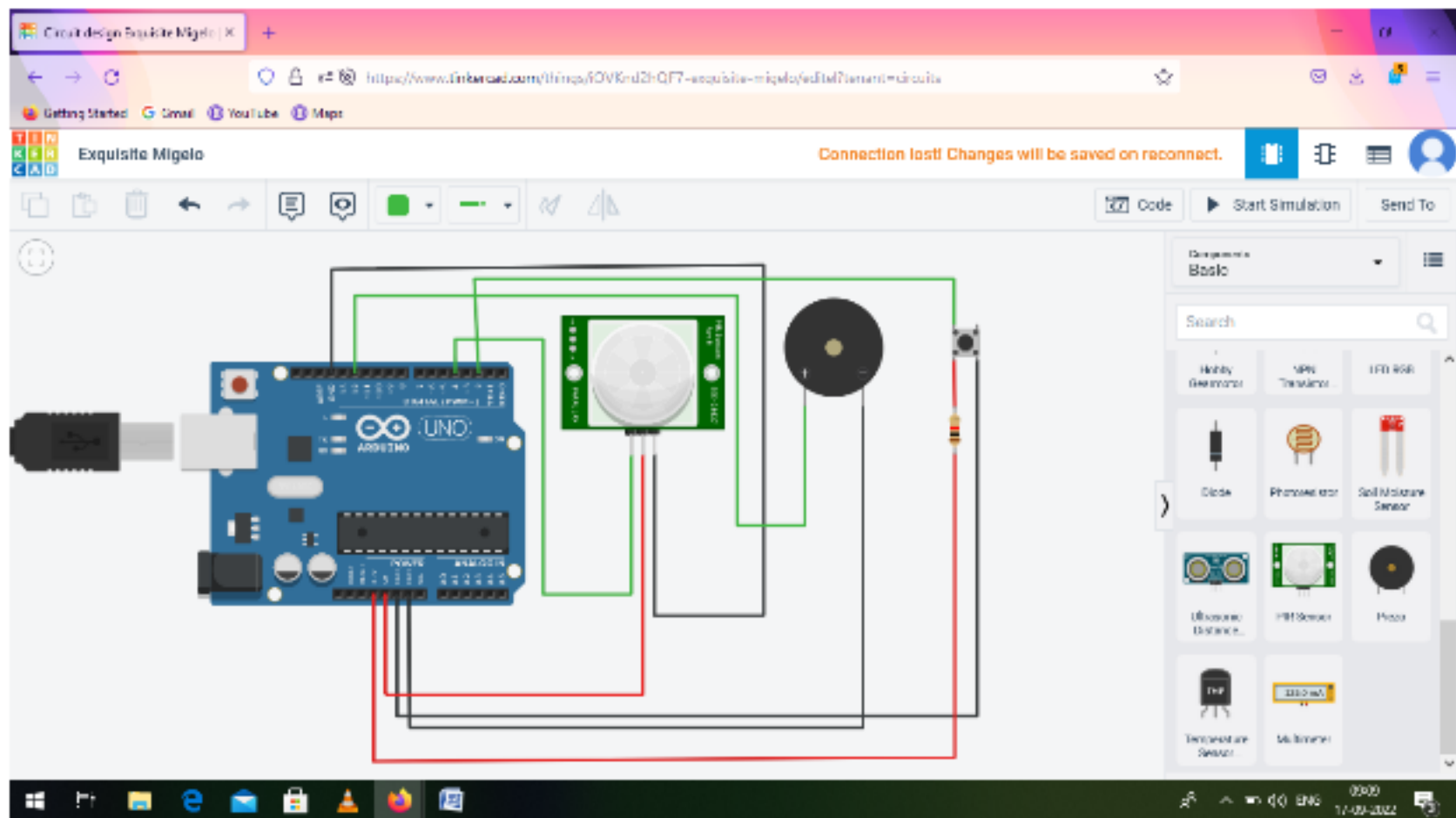
CODE:

```
void setup()
{
  pinMode(12, OUTPUT);
  pinMode(4, INPUT);
  pinMode(2, INPUT);
  Serial.begin(9600);
}

void loop()
{
  int p=digitalRead(4);
  Serial.println(p);
    if(p!=0)
    {
      for(int i=0; i<500; i=i+10)
      {
        tone(12, i);
        delay(100);
        noTone(12);
        delay(100);
```

```
        int a=digitalRead(2);

        if(a==0)

          break;

      }

    }

}
```

TINKERCADLINK: https://www. tinkercad. com/things/
iOVKnd2hQF7-exquisite-migelo/editel? sharecode=Tar-
ONhLLQaCYOUYuVWaxA6ocqFESTJn32u7VHETaSM

FIGURE:

Whenever anyone comes in the path/range of PIR sensor, microcontroller detects the distance of object is in the defined range, it sends the High signal to the buzzer and buzzer starts beeping.