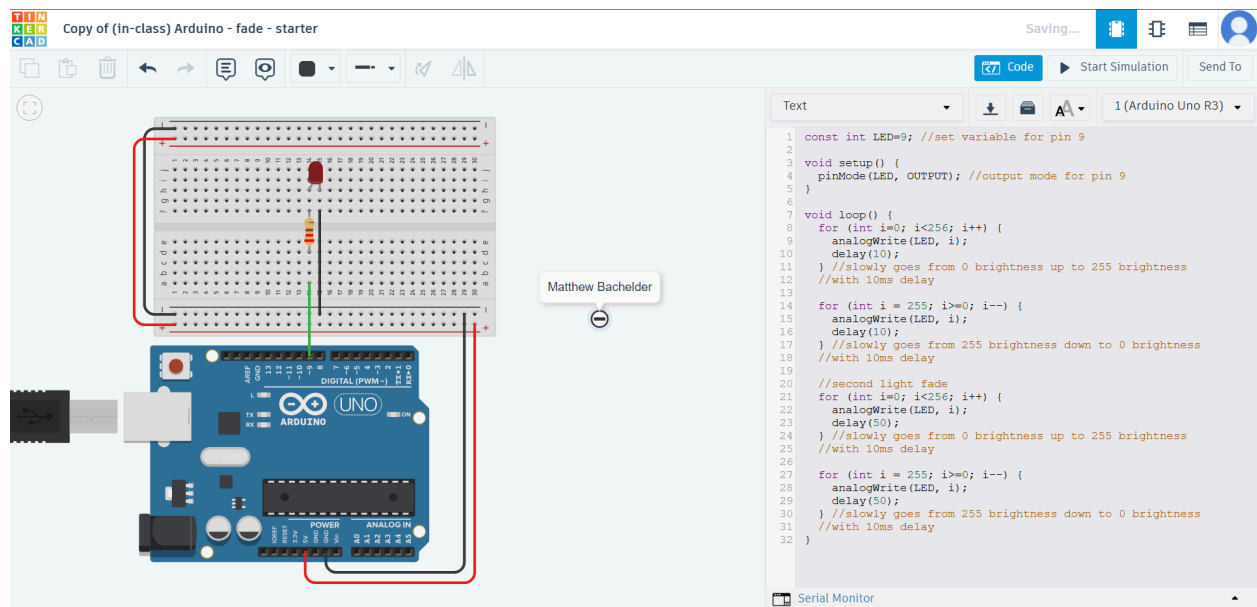
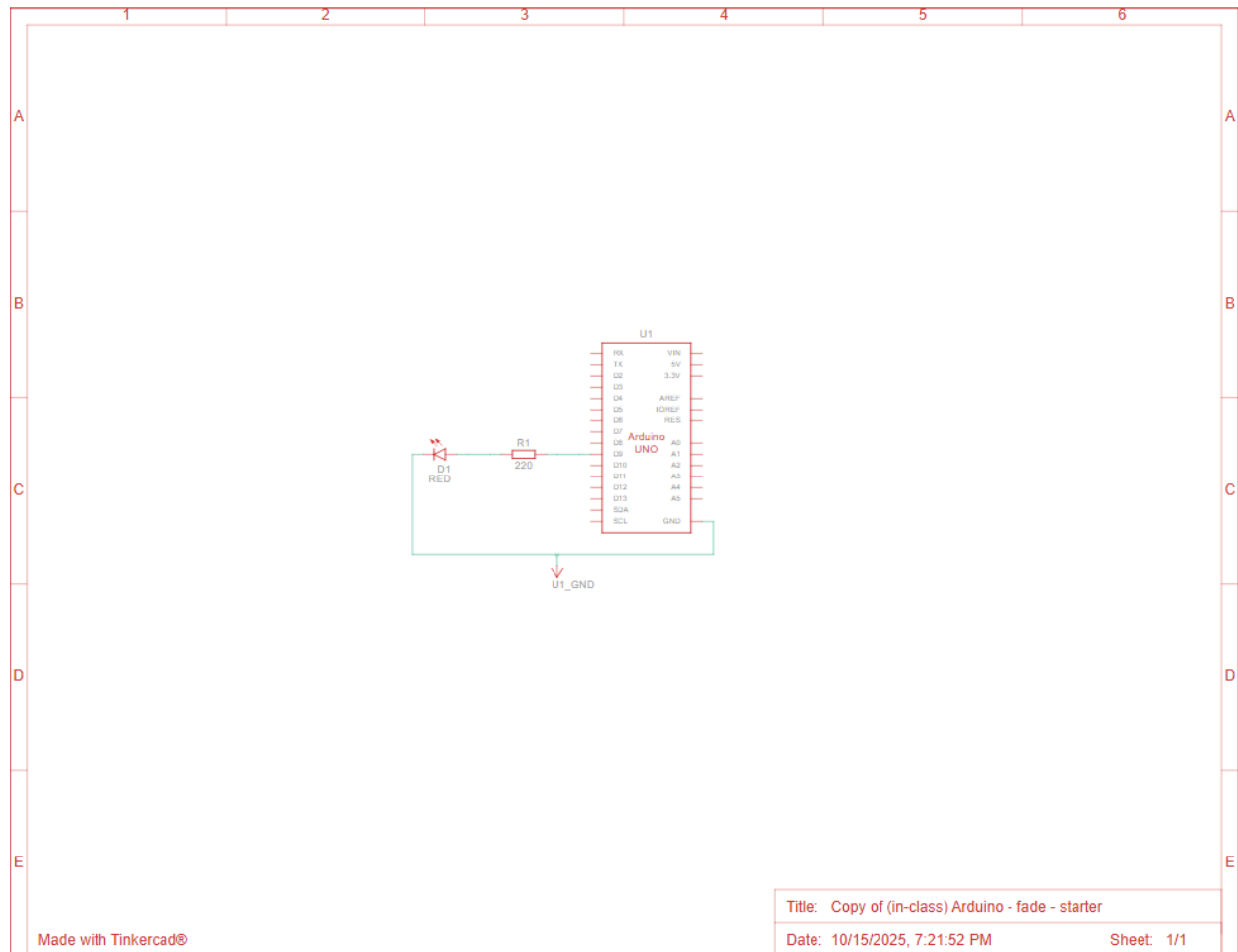


Arduino - Pulse-Width Modulation & Basic Digital Inputs - Tinkercad Circuits Version

Fade





I noticed with the modifications we made in class to fade, that 50ms has way more of an impact on the time than I thought over 10ms.

Button

Copy of (in-class) Arduino - led_button - starter

Saving...

Code Start Simulation Send To

Text 1 (Arduino Uno R3)

```
1 const int LED=9; //init LED on pin 9
2 const int BUTTON=2; //init BUTTON on pin 2
3
4 void setup() {
5   pinMode(LED, OUTPUT); //output for pin 9
6   pinMode(BUTTON, INPUT); //input for pin 2
7 }
8
9 void loop() {
10  //if button is pressed
11  if (digitalRead(BUTTON) == HIGH) {
12    //write no light to LED
13    digitalWrite(LED, LOW);
14  }
15  else ( //if button is not pressed
16    //write light to LED
17    digitalWrite(LED, HIGH);
18  )
19 }
```

Serial Monitor

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Schematic View Download .PDF

Title: Copy of (in-class) Arduino - led_button - starter

Date: 10/15/2025, 7:21:38 PM Sheet: 1/1

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