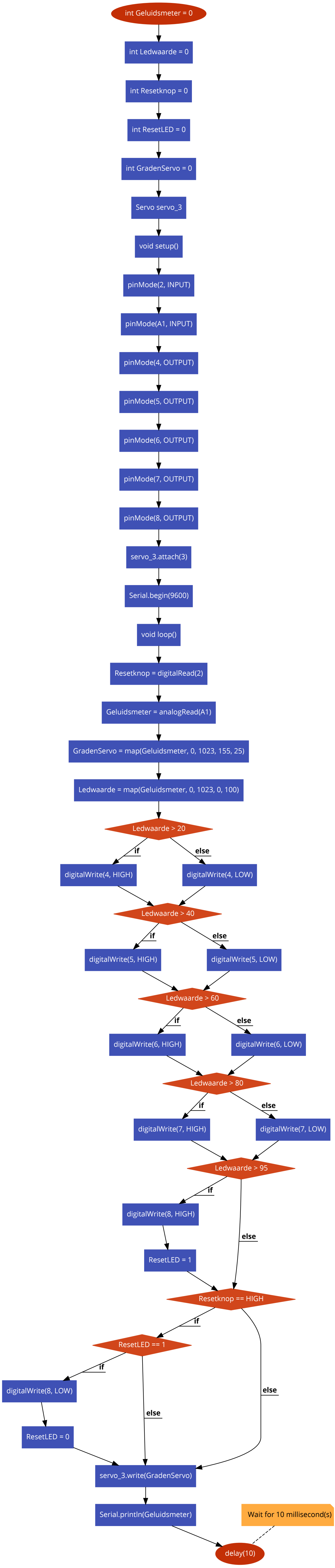
int Geluidsmeter = 0
int Ledwaarde = 0
int Resetknop = 0
int ResetLED = 0
int GradenServo = 0
Servo servo_3
void setup()
pinMode(2, INPUT)
pinMode(A1, INPUT)
pinMode(4, OUTPUT)
pinMode(5, OUTPUT)
pinMode(6, OUTPUT)
pinMode(7, OUTPUT)
pinMode(8, OUTPUT)
servo_3.attach(3)
Serial.begin(9600)
void loop()
Resetknop = digitalRead(2)
Geluidsmeter = analogRead(A1)
GradenServo = map(Geluidsmeter, 0, 1023, 155, 25)
Ledwaarde = map(Geluidsmeter, 0, 1023, 0, 100)
Ledwaarde > 20
if
else
digitalWrite(4, HIGH)
digitalWrite(4, LOW)
Ledwaarde > 40
if
else
digitalWrite(5, HIGH)
digitalWrite(5, LOW)
Ledwaarde > 60
if
else
digitalWrite(6, HIGH)
digitalWrite(6, LOW)
Ledwaarde > 80
if
else
digitalWrite(7, HIGH)
digitalWrite(7, LOW)
Ledwaarde > 95
if
else
digitalWrite(8, HIGH)
ResetLED = 1
Resetknop == HIGH
if
else
ResetLED == 1
if
else
digitalWrite(8, LOW)
ResetLED = 0
servo_3.write(GradenServo)
Serial.println(Geluidsmeter)
Wait for 10 millisecond(s)
delay(10)