Soft-ul principal

# Inceputul programului,aici initializam placa:

void setup(){

digitalWrite(resetPin,1);

ButtonDeclare();

LEDDeclare();

pinMode(resetPin,OUTPUT);

Serial.begin(9600);

Serial1.begin(9600);

getAddon();

listAddon();

}

# Centrul programului,in aceasta structura totul se repeta la nesfarsit:

void loop(){

if(addon == 2)

debug();

if(firstRun == true)

{

Serial.end();

Keyboard.begin();

firstRun = false;

}

if(addon == 3)

mouseMode();

else if(Serial1.available() > 0)

externalInput();

else

buttonInput();

delay(100);

}

# Verificarea apasarii si efectuarea actiunilor programate:

void buttonInput()

{

if(digitalRead(B1) == 0)

{

if(credentials() == true)

{

Keyboard.println("Super important password");

Keyboard.write(KEY\_RETURN);

}

}

else if(digitalRead(B2) == 0)

{

Keyboard.press(KEY\_LEFT\_GUI);

Keyboard.write(114); // r in ASCII

Keyboard.releaseAll();

Keyboard.print("iexplore");

Keyboard.write(KEY\_RETURN);

}

delay(150);

}

# Verificarea identitatii pentru date sensitive(Parole,date de logare):

bool credentials(){

bool allow=true;

if(addon == 6) //RFID Login

{ while(true)

{ if(Serial1.available() > 0)

{ f(Serial1.read() == 50)

{

allow=true;

break;

}

}

delay(10);

}

}

else

allow = pinEntry();

if(allow == false)

return false;

else

return true;

}

# Verificarea PIN-ului introdus:

bool pinEntry(){

byte pin[4] = {1, 2, 3, 4};

byte input[4],pos=0;

while(pos<4)

{ if(digitalRead(B1)==0) {

input[pos]=1;pos++;

} if(digitalRead(B2)==0) {

input[pos]=2; pos++;

} if(digitalRead(B3)==0) {

input[pos]=3; pos++;

} if(digitalRead(B4)==0) {

input[pos]=4; pos++;

}

delay(150);

}

for(byte i=0;i<4;i++)

{

if(input[i]!=pin[i])

return false;

}

return true;

}