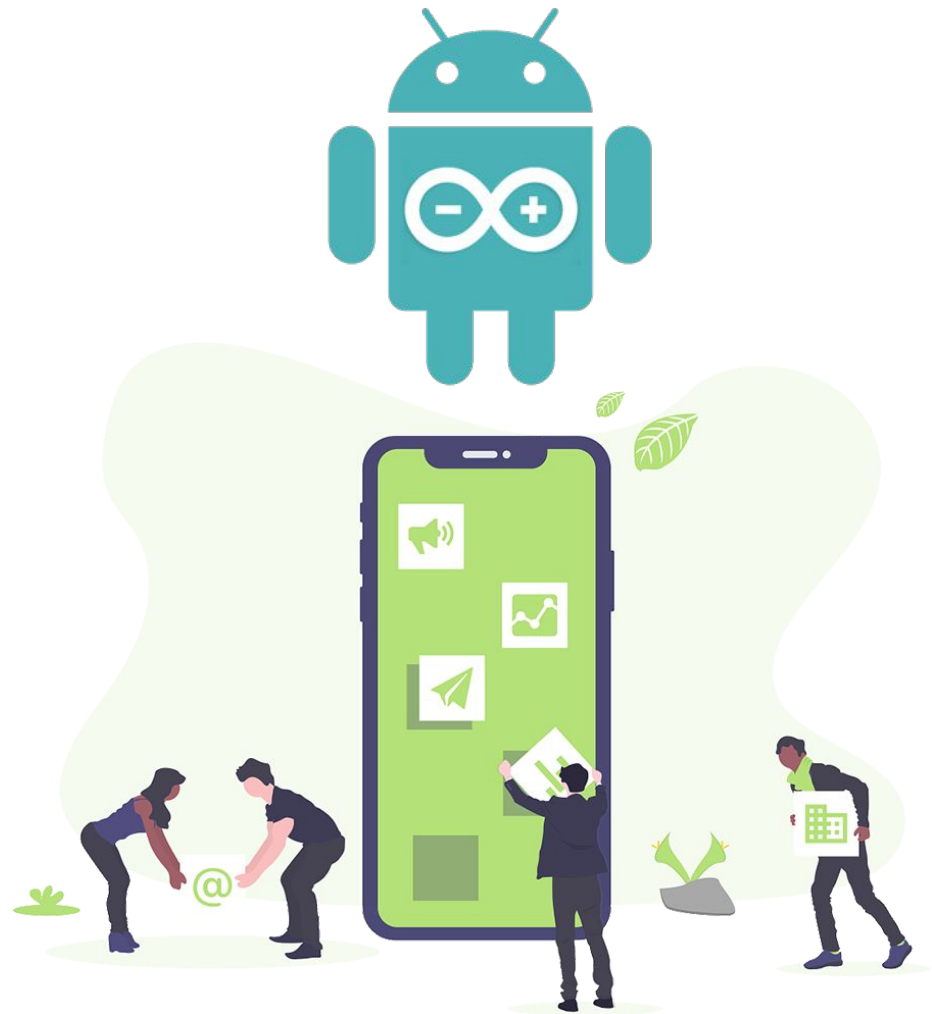


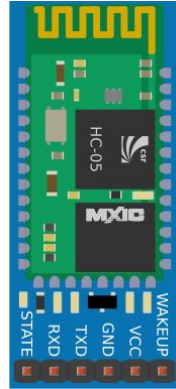
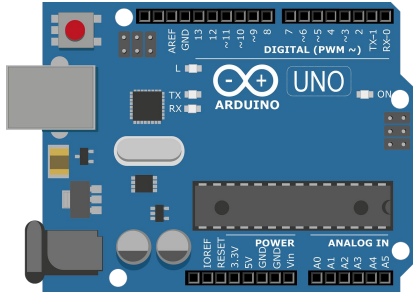
# Arduino + Android

**Randy Gutierrez**



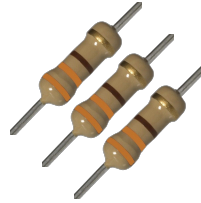
# Materiales

Arduino uno

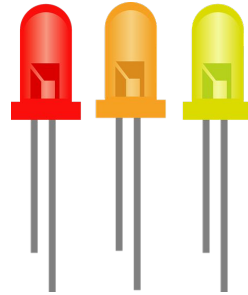


hc-05

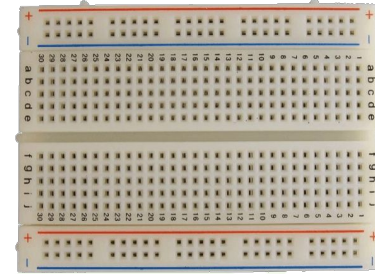
resistencias



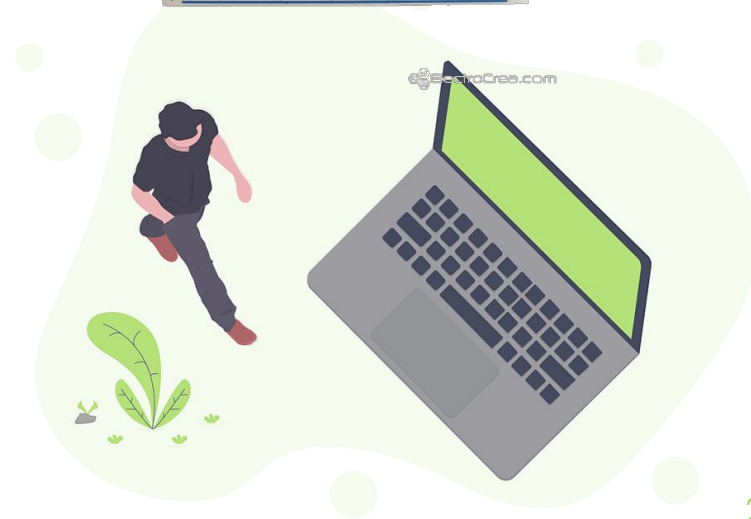
leds



protoboard



Randy Gutierrez



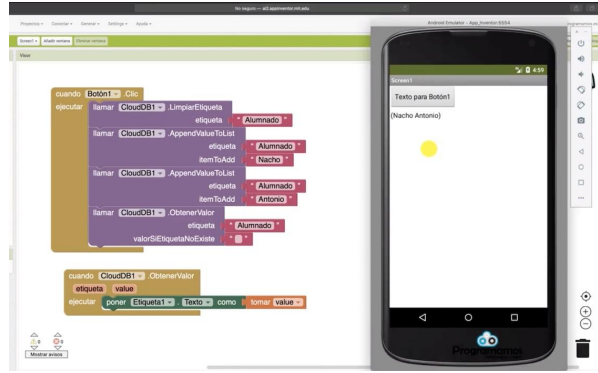
# programas

sketch\_sep06a | Arduino 1.8.6

File Edit Sketch Tools Help

```
sketch_sep06a
void setup() {
  // put your setup code here, to run once:
}

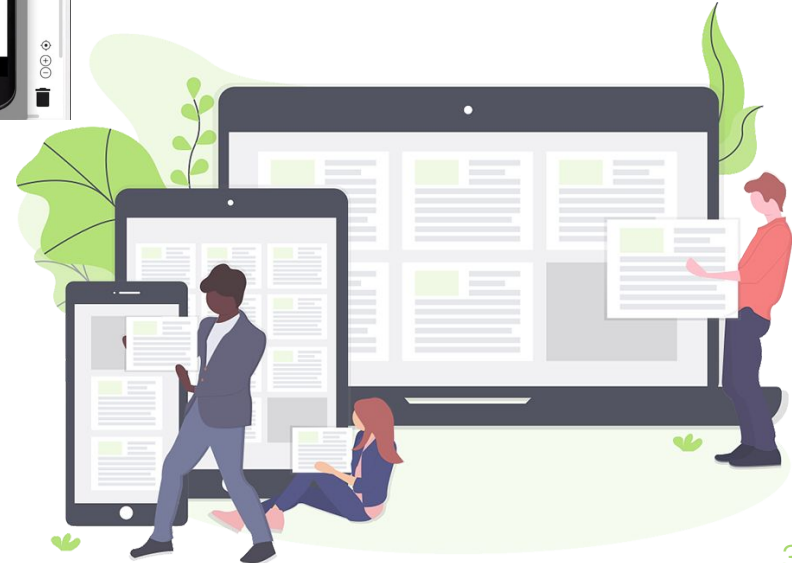
void loop() {
  // put your main code here, to run repeatedly:
}
```



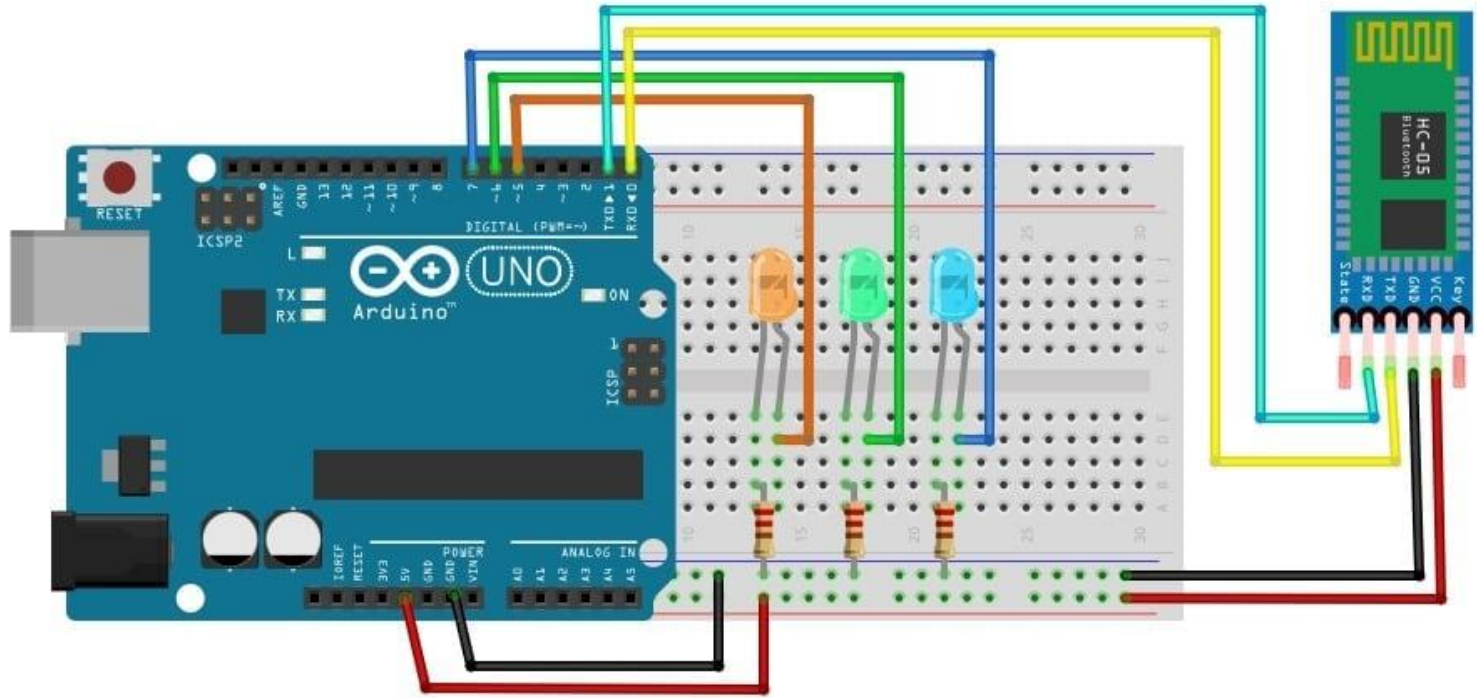
- IDE arduino
- APP inventor
- PIXLR



**Randy Gutierrez**



# Circuito



Randy Gutierrez

# codigo

```
char caja;
```

```
int cuarto=5;  
int cocina=6;  
int sala=7;
```

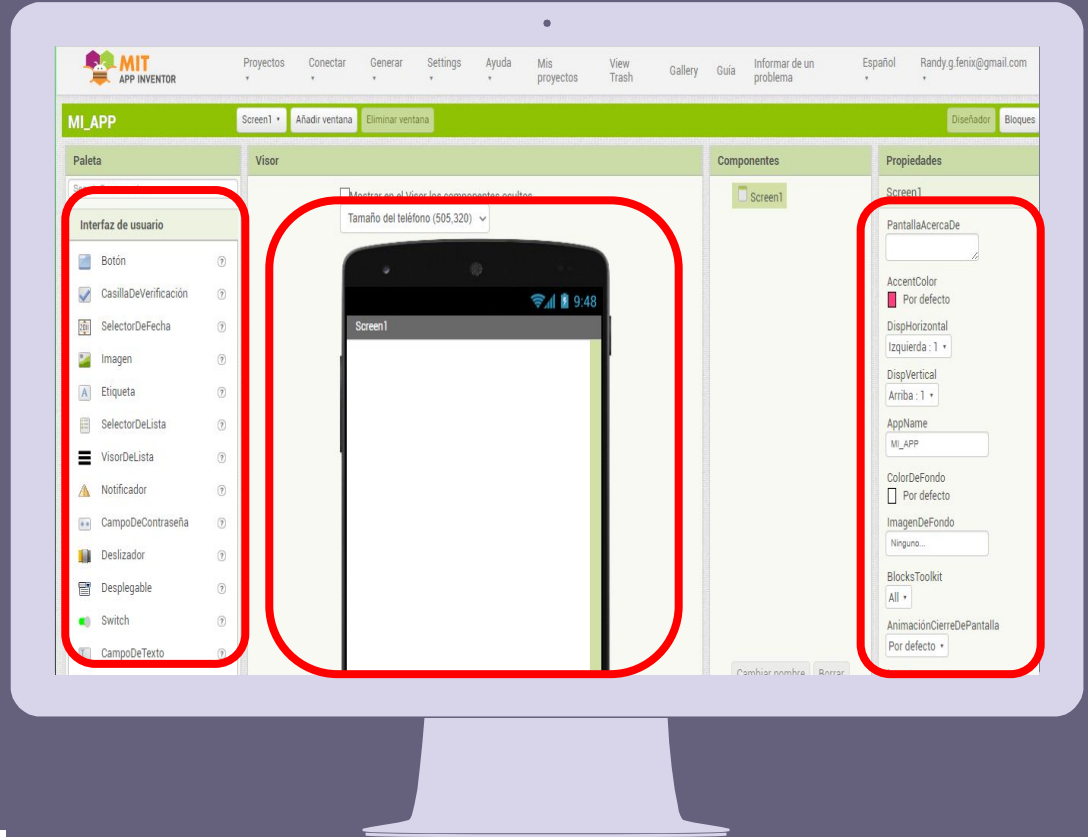
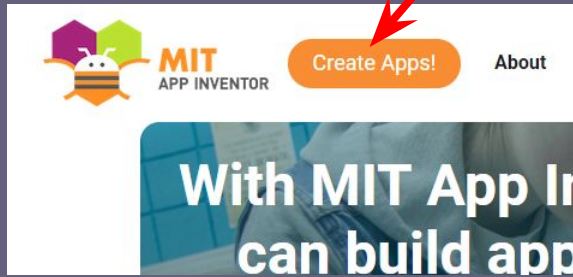
```
void setup() {  
  pinMode(cuarto, OUTPUT);  
  pinMode(cocina, OUTPUT);  
  pinMode(sala, OUTPUT);  
  Serial.begin(9600);  
}
```

**Randy Gutierrez**

```
void loop() {  
  if (Serial.available() > 0) {  
    caja = Serial.read();  
  }  
  if (caja == 'a') {  
    digitalWrite(cuarto, HIGH);  
  }  
  if (caja == 'b') {  
    digitalWrite(cuarto, LOW);  
  }  
  if (caja == 'c') {  
    digitalWrite(cocina, HIGH);  
  }  
  if (caja == 'd'){  
    digitalWrite(cocina,LOW);  
  }  
  if (caja == 'e') {  
    digitalWrite(cocina, HIGH);  
  }  
  if (caja == 'f'){  
    digitalWrite(cocina,LOW);  
  }  
}
```



# Aplicacion

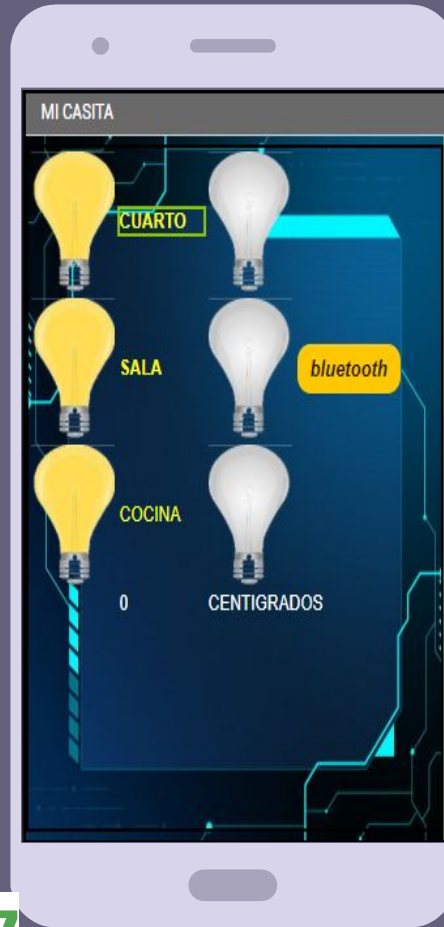


Randy Gutierrez

# Aplicacion

Show and explain your web, app or software projects using these gadget templates.

**Randy Gutierrez**



# Gracias !!

## ¿Preguntas?

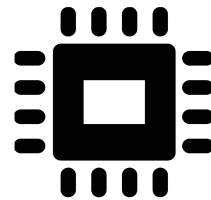


@Randy Gutierrez



Rantech#

RAN



TECH

