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LED_Bluetooth

Screen1 Add Screen ... Remove Screen Publish to Gallery Designer Blocks

Palette

Search Components...

User Interface

- Button
- CheckBox
- DatePicker
- Image
- Label
- ListPicker**
- ListView
- Notifier
- PasswordTextBox
- Slider
- Spinner
- Switch
- TextBox
- TimePicker
- WebView

Layout

Media

Drawing and Animation

Maps

Sensors

Viewer

Display hidden components in Viewer

Phone size (505,320)

Non-visible components

- BluetoothClient1

Components

- Screen1
 - ListPicker1
 - HorizontalArrangement1
 - Button1
 - Button2
 - BluetoothClient1

Rename Delete

Media

Upload File ...

Properties

ListPicker1

BackgroundColor

Default

ElementsFromStrings

Enabled

FontBold

FontItalic

FontSize

14.0

FontTypeface

default

Height

Automatic...

Width

☐ Automatic

☒ Fill parent

☐ pixels

☐ percent

Cancel OK

ItemTextColor

Default

Selection

Shape

default

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LED_Bluetooth

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Palette

Search Components...

User Interface

Layout

- HorizontalArrangement ?
- HorizontalScrollArrangement ?
- TableArrangement ?
- VerticalArrangement ?
- VerticalScrollArrangement ?

Media

Drawing and Animation

Maps

Sensors

Social

Storage

Connectivity

LEGO® MINDSTORMS®

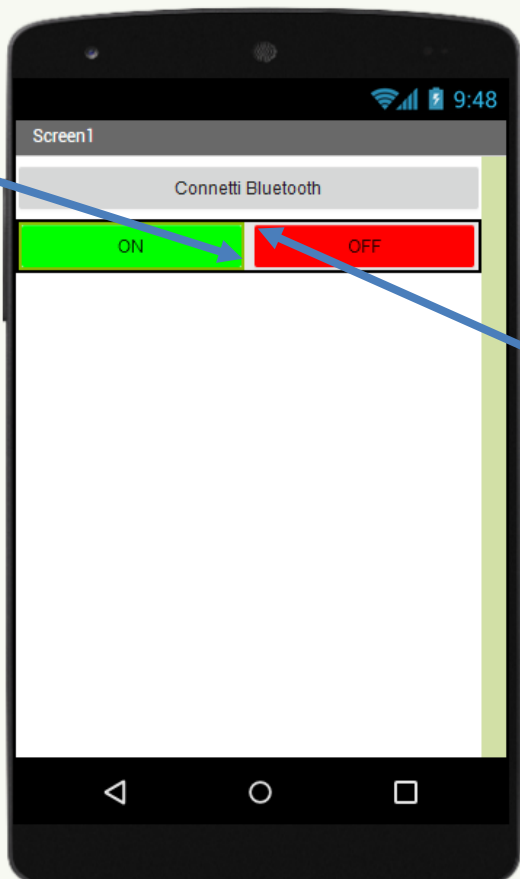
Experimental

Extension

Viewer

☐ Display hidden components in Viewer

Phone size (505,320)



Non-visible components

BluetoothClient1

Components

- Screen1
 - ListPicker1
 - HorizontalArrangement1
 - Button1
 - Button2
 - BluetoothClient1

Properties

Button1

BackgroundColor
Green

Enabled
☒

FontBold
☐

FontItalic
☐

FontSize
14.0

FontTypeface
default

Height
Automatic...

Width
☒ Automatic
☐ pixels
☐ percent

Rename Delete

Media

Upload File ...

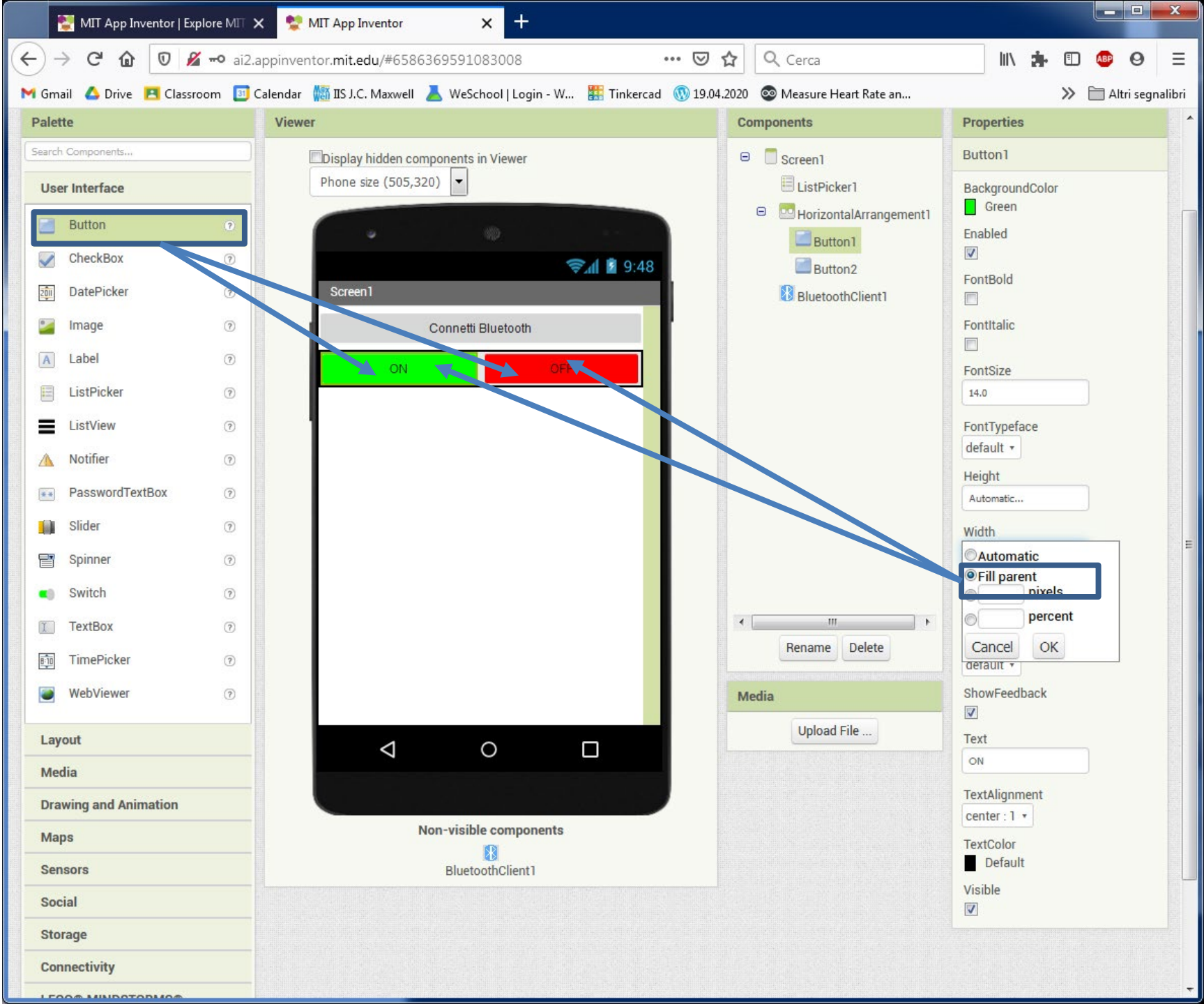
ShowFeedback
☒

Text
ON

TextAlignment
center : 1

TextColor
Default

Visible



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LED_Bluetooth

Screen1 Add Screen ... Remove Screen Publish to Gallery Designer Blocks

Palette

Search Components...

- User Interface
- Layout
- Media
- Drawing and Animation
- Maps
- Sensors
- Social
- Storage
- Connectivity
- LEGO® MINDSTORMS®
- Experimental
- Extension

ActivityStarter ?

BluetoothClient ?

BluetoothServer ?

Serial ?

Web ?

Viewer

☐ Display hidden components in Viewer

Phone size (505,320)

Screen1

Connetti Bluetooth

ON OFF

Non-visible components

BluetoothClient1

Components

- Screen1
 - ListPicker1
 - HorizontalArrangement1
 - Button1
 - Button2
 - BluetoothClient1**

Rename Delete

Properties

BluetoothClient1

CharacterEncoding: UTF-8

DelimiterByte: 0

DisconnectOnError: ☐

HighByteFirst: ☐

Secure: ☒

Media

Upload File ...

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LED_Bluetooth

Screen1 Add Screen ... Remove Screen Publish to Gallery Designer Blocks

Blocks

- Built-in
 - Control
 - Logic
 - Math
 - Text
 - Lists
 - Dictionaries
 - Colors
 - Variables
 - Procedures
- Screen1
 - ListPicker1
- HorizontalArrangement1
 - Button1
 - Button2
- BluetoothClient1

Media

Upload File ...

Viewer

```
when ListPicker1.BeforePicking
do
  set ListPicker1.Elements to BluetoothClient1.AddressesAndNames

when ListPicker1.AfterPicking
do
  set ListPicker1.Selection to call BluetoothClient1.Connect
  address ListPicker1.Selection
  set ListPicker1.Text to Connesso

when Button1.Click
do
  call BluetoothClient1.SendText
  text 1

when Button2.Click
do
  call BluetoothClient1.SendText
  text 0
```

Show Warnings

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LED_Bluetooth

Screen1 Add Screen...

App (provide QR code for .apk)
App (save .apk to my computer)

Designer Blocks

Blocks

- Built-in
 - Control
 - Logic
 - Math
 - Text
 - Lists
 - Dictionaries
 - Colors
 - Variables
 - Procedures
- Screen1
 - ListPicker1
- HorizontalArrangement1
 - Button1
 - Button2
- BluetoothClient1
- Any component

Rename Delete

Media

Upload File ...

Viewer

when ListPicker1 .BeforePicking

do set ListPicker1 . Elements to BluetoothClient1 . AddressesAndNames

when ListPicker1 .AfterPicking

do set ListPicker1 . Selection to call BluetoothClient1 .Connect
address ListPicker1 . Selection

set ListPicker1 . Text to "Connesso"

when Button1 .Click

do call BluetoothClient1 .SendText
text "1"

when Button2 .Click

do call BluetoothClient1 .SendText
text "0"

Show Warnings

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Designer Blocks

Built-in

Control

Logic

Math

Text

Lists

Dictionaries

Colors

Variables

Procedures

Screen1

ListPicker1

HorizontalArrangement1

Button1

Button2

BluetoothClient1

Any component

Rename Delete

Media

Upload File ...

Viewer

when ListPicker1 .BeforePicking

do set ListPicker1 . Elements to BluetoothClient1 . AddressesAndNames

when ListPicker1 .AfterPicking

do set ListPicker1 . Selection to

set ListPicker1 . Text to "C"

when Button1 .Click

do call BluetoothClient1 .SendText

text "1"

when Button2 .Click

do call BluetoothClient1 .SendText

text "0"

Show Warnings

Barcode link for LED_Bluetooth



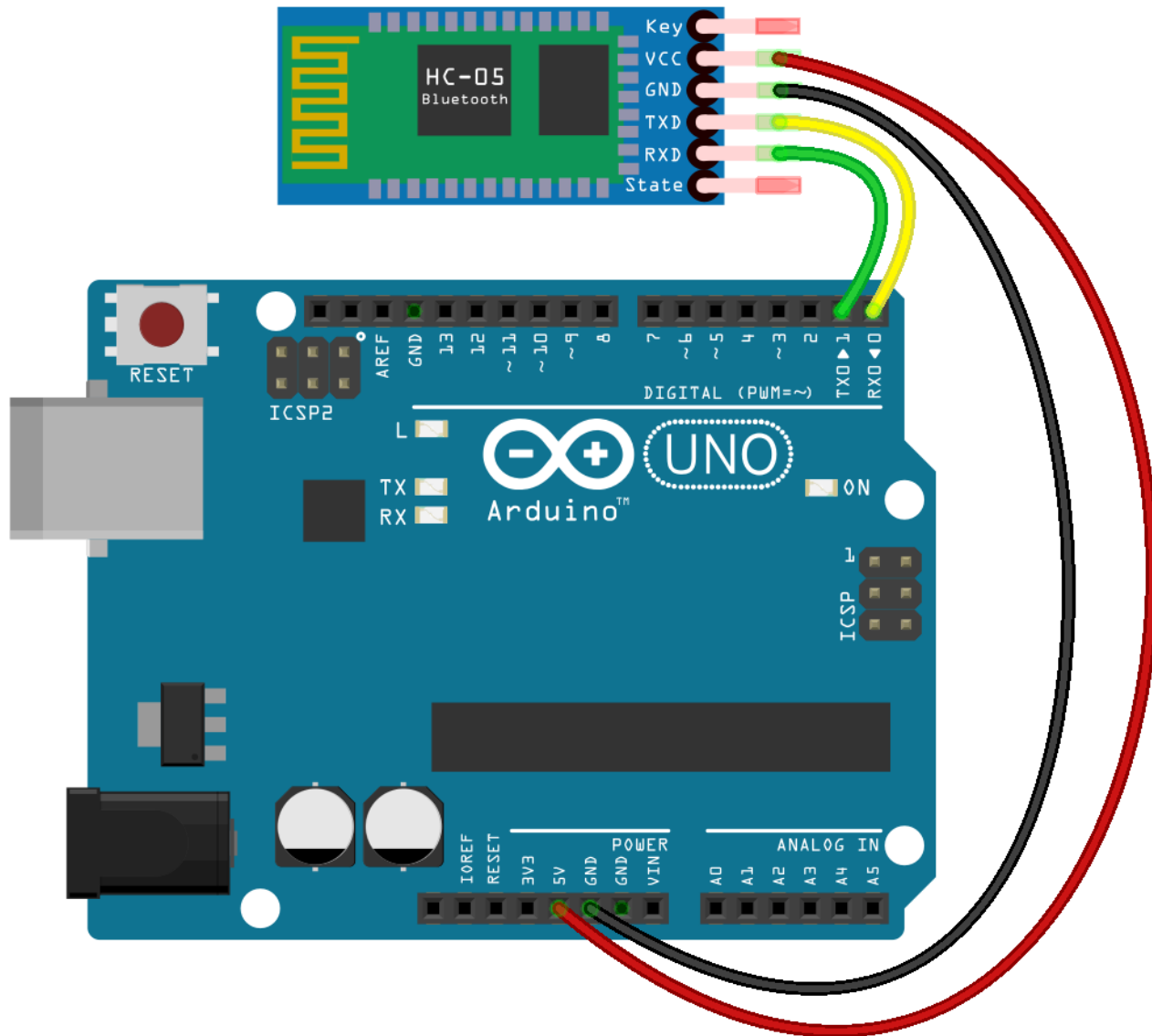
<http://ai2.appinventor.mit.edu/b/3tfk>

OK

Note: this barcode is only valid for 2 hours. See [the FAQ](#) for info on how to share your app with others.

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HC-05




```
char Incoming_value = 0;
```

```
void setup()
```

```
{  
  Serial.begin(9600);  
  pinMode(13, OUTPUT);  
}
```

```
void loop()
```

```
{  
  if(Serial.available() > 0)  
  {  
    Incoming_value = Serial.read();  
    Serial.print(Incoming_value);  
    Serial.print("\n");  
    if(Incoming_value == '1')  
      digitalWrite(13, HIGH);  
    else if(Incoming_value == '0')  
      digitalWrite(13, LOW);  
  }  
}
```