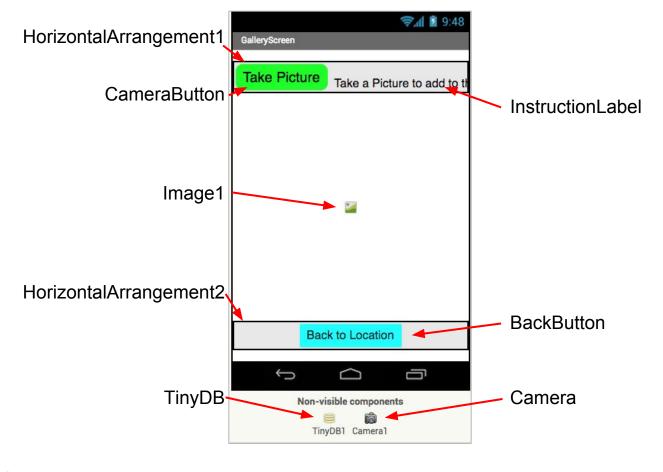


With your partner, look at the user interface and see if you can identify what each component does. See the screen layout below.





### **GALLERY BUTTON**

Now you'll go back to **LocationScreen** and add the button and code to open the **GalleryScreen**.





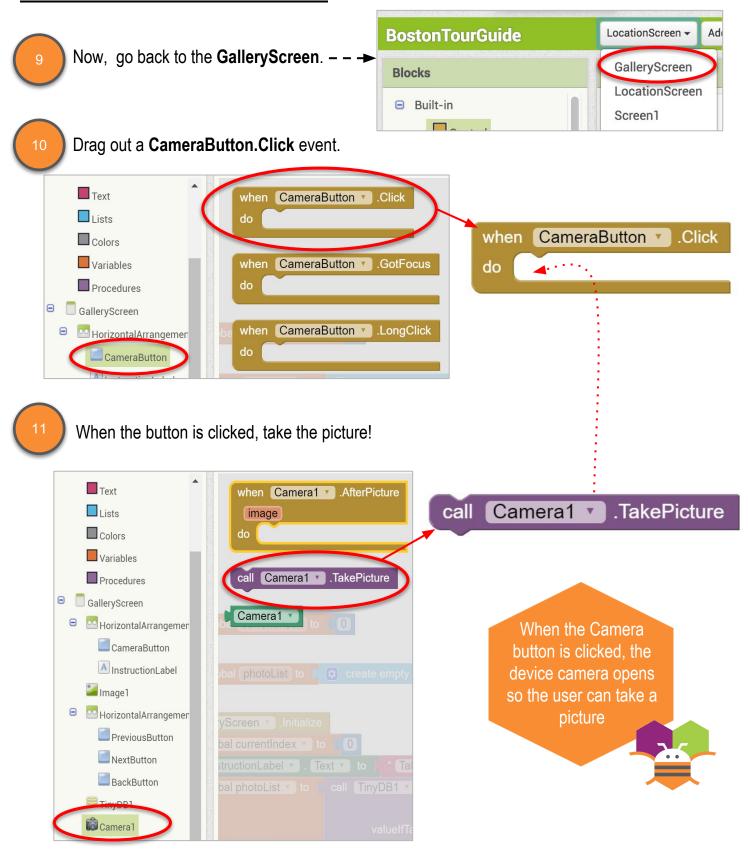
# **GALLERY BUTTON**

7

Drag out a GalleryButton.Click event block.



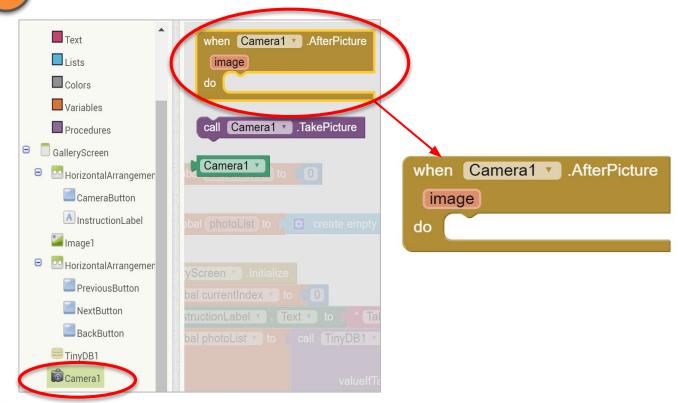
## TAKE PICTURES WITH THE CAMERA





### **DISPLAY PICTURE**

After a picture is taken, the **Camera.AfterPicture** event is triggered.

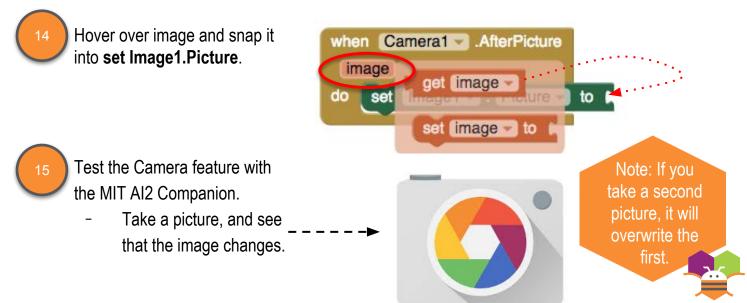


Set the **Image.Picture** to the image the camera just took.

```
Math
                           set Image1 . Animation . to
                                                                   set Image1 - . Picture -
  Text
  Lists
                         Image1 - . Height -
  Colors
                           set Image1 . Height to
  Variables
  Procedures
                           set Image1 . HeightPercent .
GalleryScreen
☐ HorizontalArrangement2
                          Image1 - . Picture -
    CameraButton
                           set Image1 . Picture to
        tructionLabel
   Image1
                          Image1 - RotationAngle -
        zontalArrangement1
                           set Image1 . RotationAngle to
    PreviousButton
```

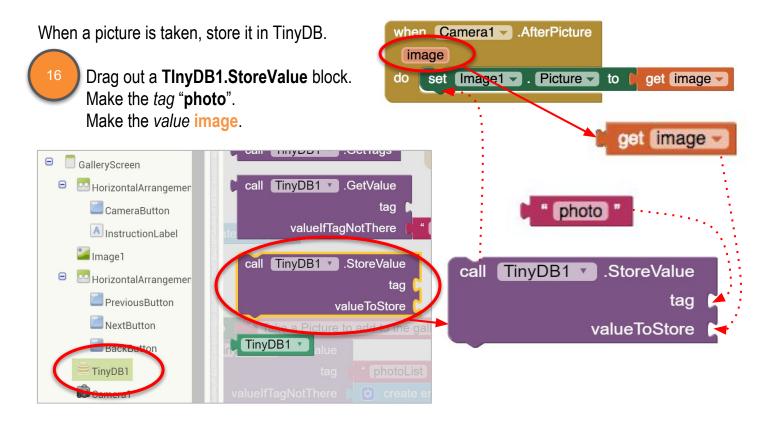


#### **AFTER PICTURE**



#### STORE PICTURE IN TINYDB

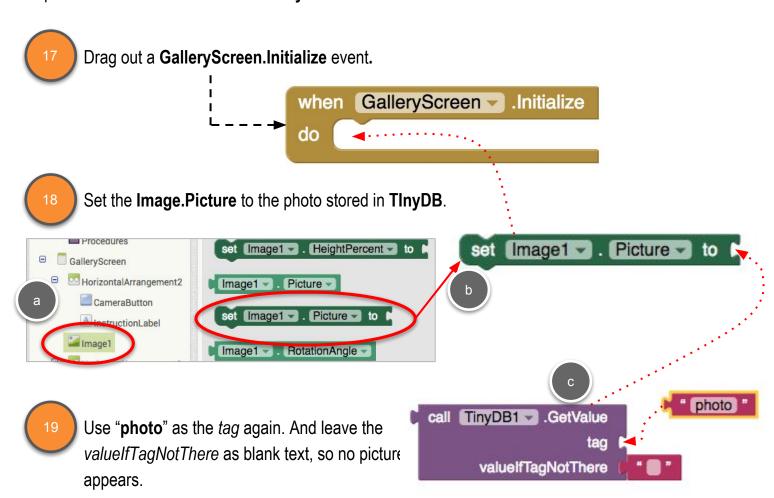
To make sure the picture is saved for the next time someone uses the app, you need to store it in **TinyDB**. Remember, **TinyDB** stores information persistently, so it will always be saved.





## **INITIALIZE SCREEN**

Because you are storing the photo to **TinyDB**, you need to get it from **TinyDB** each time the screen opens. You will code that in the **GalleryScreen.Initialize** event.



- Here you go! Test out your app with the MIT Al2 Companion.
  - Go to the GalleryScreen.
  - o Take a picture.
  - Close the app and reopen it.
     The picture should still be there!





# COMPUTATIONAL THINKING CONCEPTS

The following are the Computational Thinking Concepts used in GalleryScreen.

