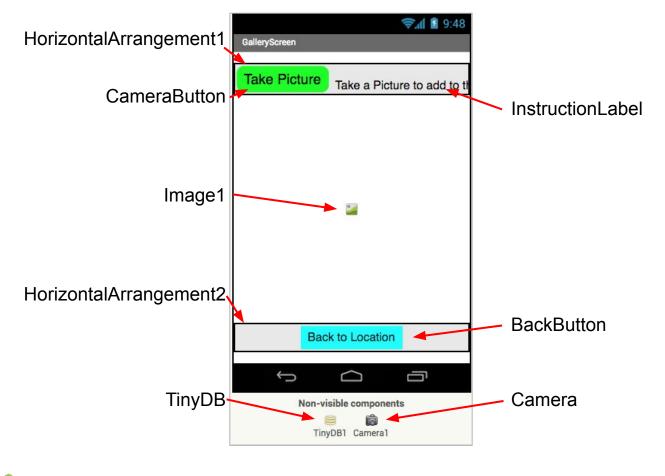


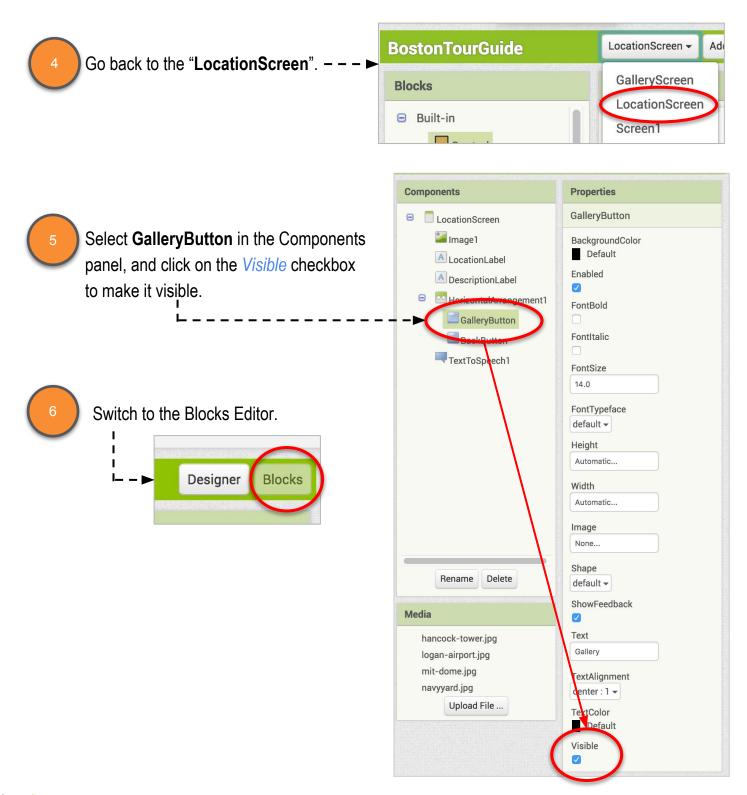
With your partner, look at the user interface and see if you can identify what each component does. See the screen layout below.





GALLERY BUTTON

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

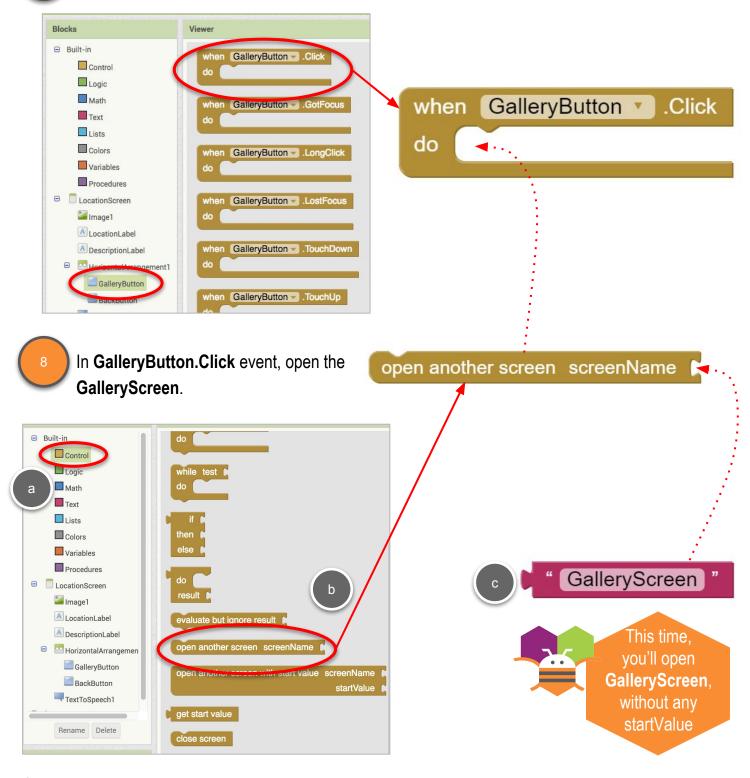




GALLERY BUTTON

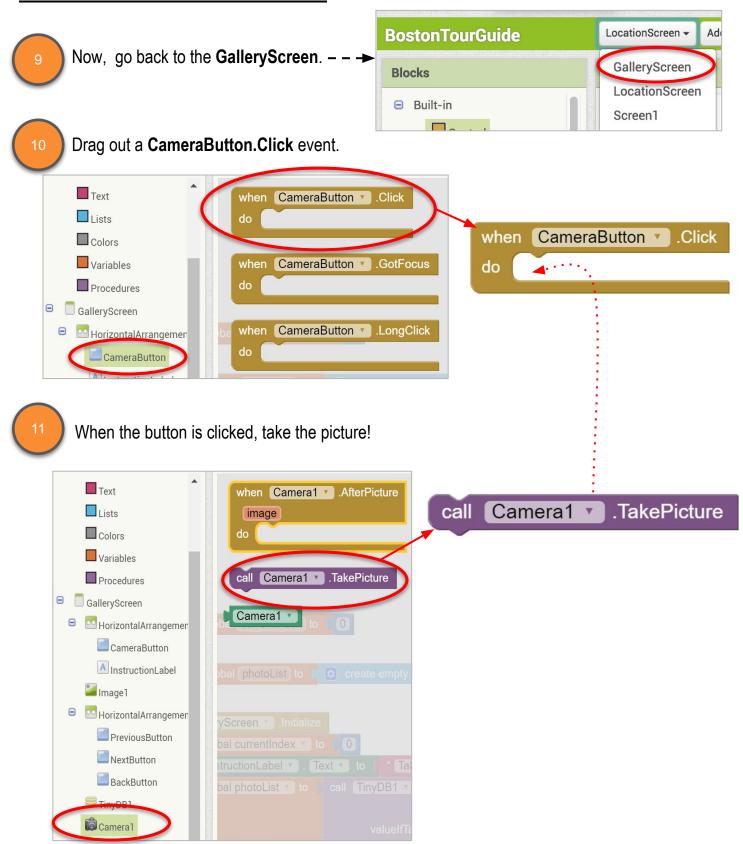
7

Drag out a GalleryButton.Click event block.





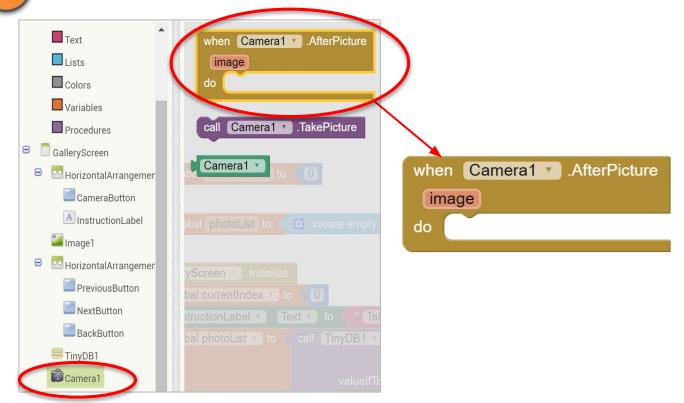
TAKE PICTURES WITH THE CAMERA





DISPLAY PICTURE

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

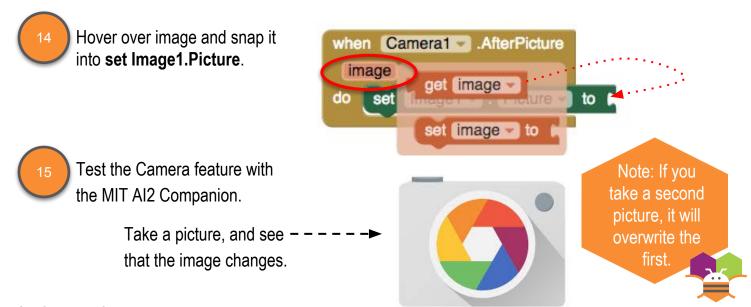


Set the **Image.Picture** to the image the camera just took.

```
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
        etructionLabel
   Image1
                          Image1 - RotationAngle -
        zontalArrangement1
                           set Image1 . RotationAngle to
    PreviousButton
```

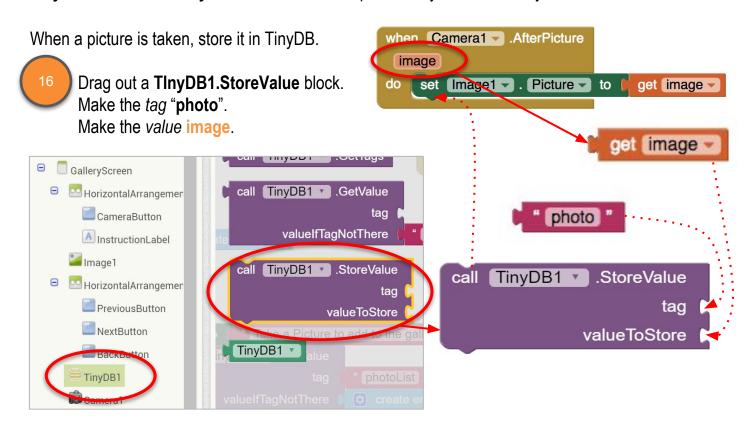


AFTER PICTURE



STORE PICTURE IN TINYDB

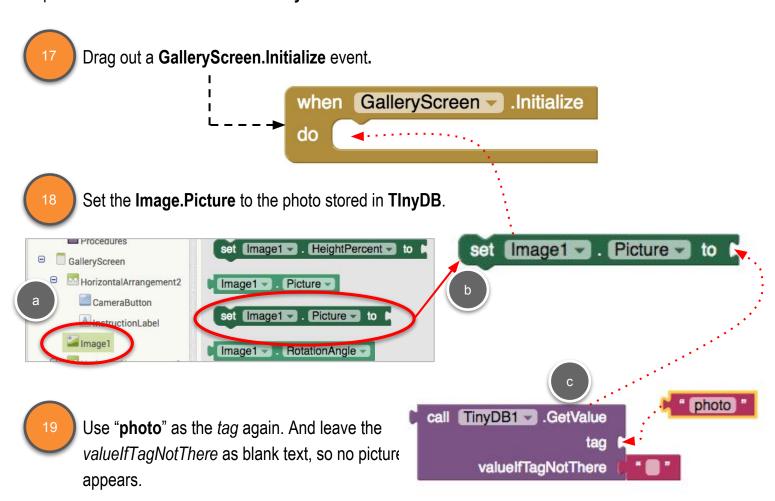
To make sure the picture is saved for the next time someone uses the app, you need to store it in **TinyDB**. Remember, **TinyDB** stores information persistently, so it will always be saved.





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.

