FIND THE GOLD: PART 3

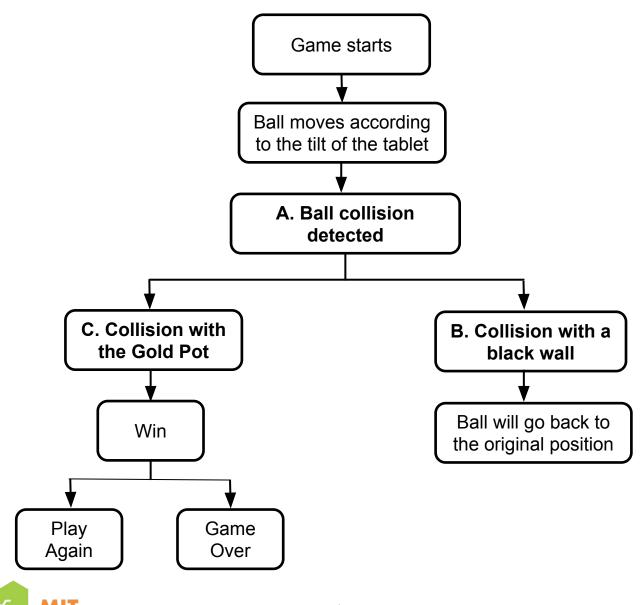
You will now improve the Find the Gold app to check for collision with walls and notify the user when they reach the gold!

REVIEW

APP INVENTOR

1

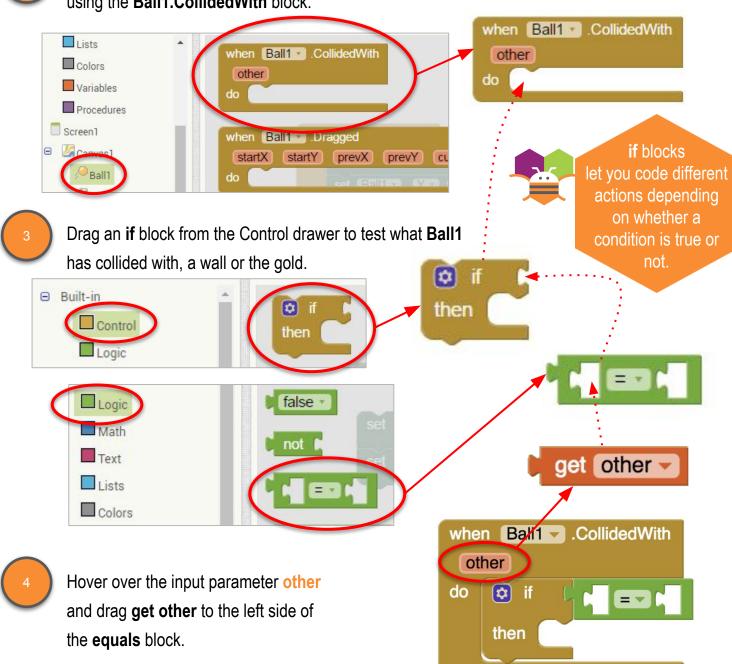
Review the diagrams below with your partner. Check that you understand the sequence of steps for the Find the Gold app below.



WHEN BALL COLLIDES WITH...

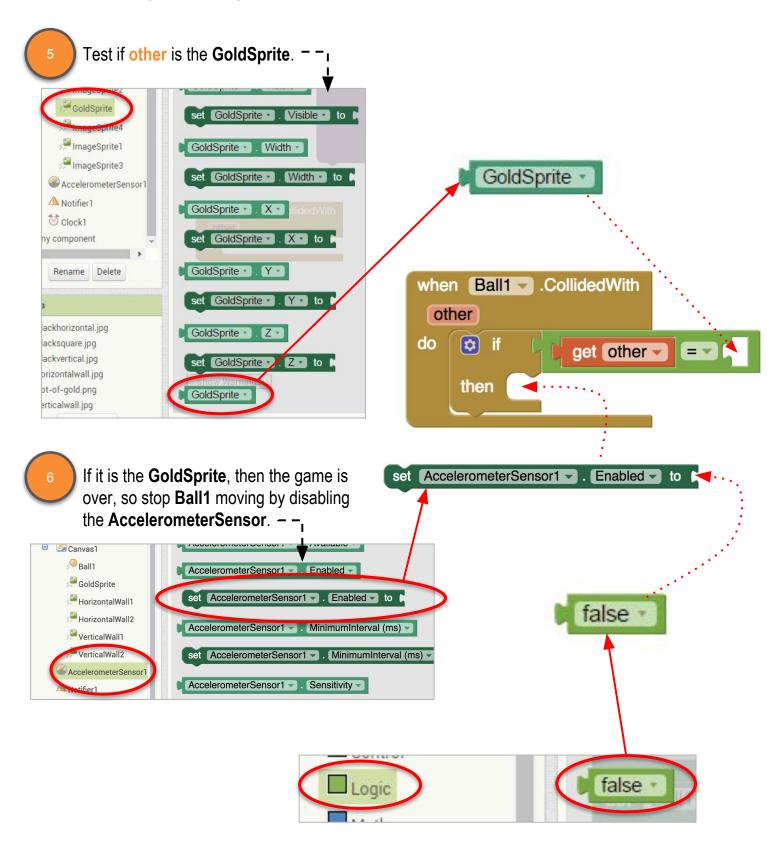
2 Che

Check when the ball collides with the walls or the gold sprite using the **Ball1.CollidedWith** block.



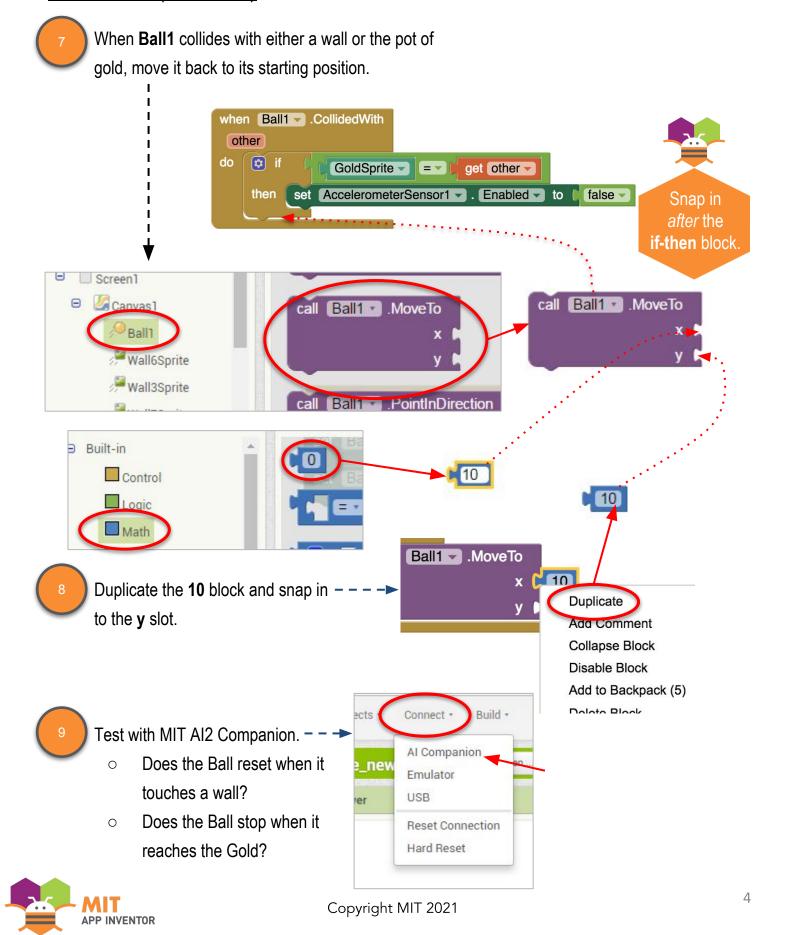


COLLISION (continued)





COLLISION (continued)



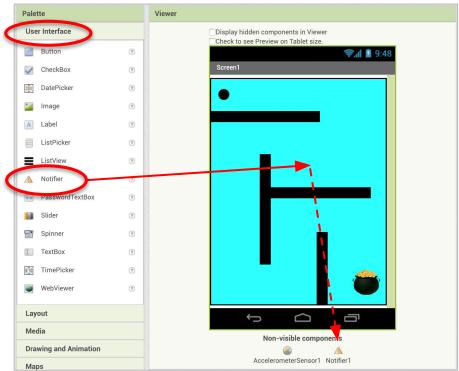
NOTIFIER

When the ball touches the gold sprite, notify the user the game is over and they can play again or quit.





Add the **Notifier** component from User Interface drawer.



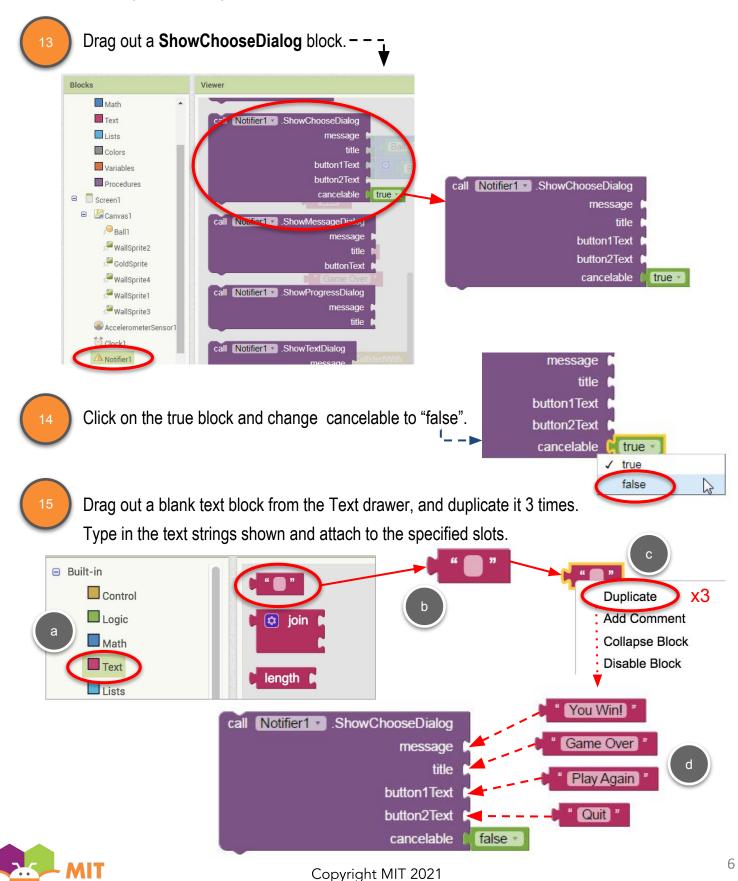






NOTIFIER (continued)

APP INVENTOR



NOTIFIER (continued)

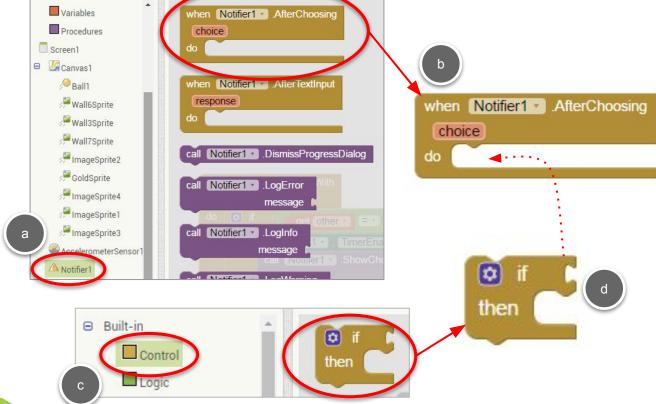
Drag the ShowChooseDialog block under the set AcceleratorSensor1.Enabled block so that a dialog box pops up when Ball1 collides with GoldSprite.

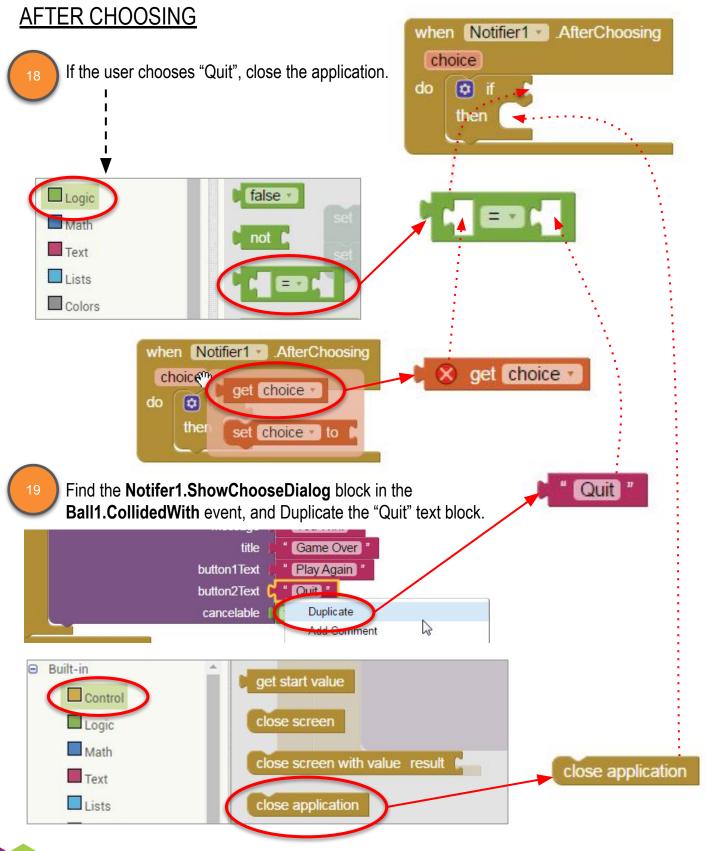
```
when Ball .CollidedWith
other
do if GoldSprite get other
then set AccelerometerSensor1 .Enabled to false
call Ball .MoveTo

x 10
y 10
```

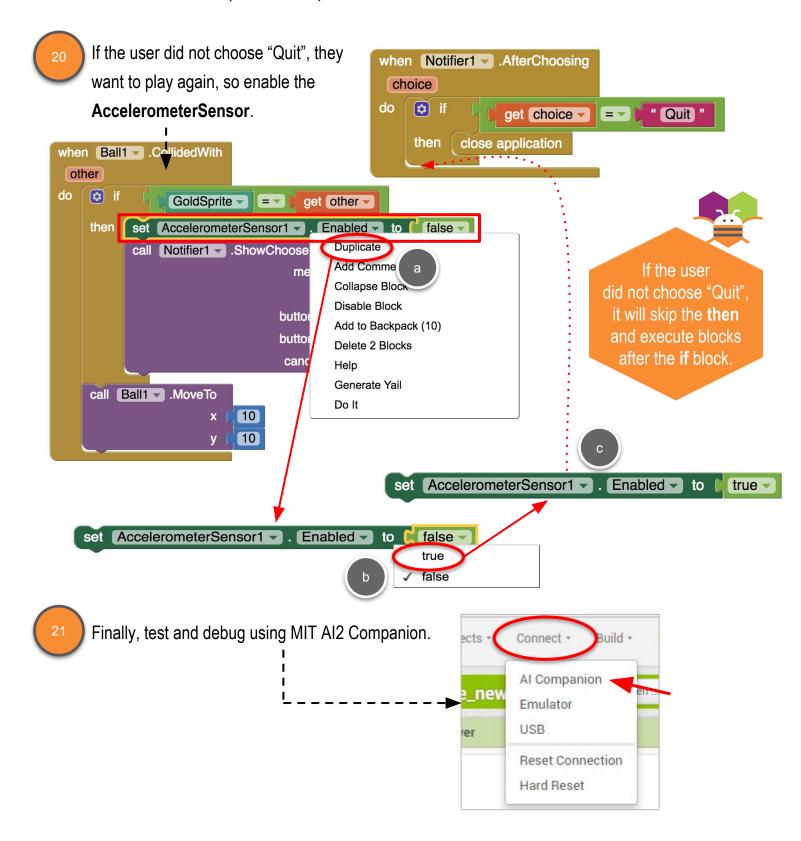
```
call Notifier1 .ShowChooseDialog
message "You Win!"
title Game Over "
button1Text Quit "
Play Again "
cancelable false
```

The **Notifier1.AfterChoosing** block triggers when the user chooses a button. It needs to test which button was pressed.





AFTER CHOOSING (continued)





Choose Ways to Extend Your App

Here are a few features you could add if you want to expand your app



Add scoring - give points when the user reaches the Gold

Add a countdown timer

Add user lives so they get a limited number of chances to reach Gold

What other ideas do you have?



COMPUTATIONAL THINKING CONCEPTS

The following are the Computational Thinking Concepts learned in Part 3.

