**[Homework#1](https://bb-csuohio.blackboard.com/webapps/assignment/uploadAssignment?content_id=_6362369_1&course_id=_168060_1&group_id=&mode=view)**

Add a UI control on the screen of the second activity so that you can close the second activity and go back to the first activity (i.e., the main activity). In addition, on the main activity, display an iteration count that reflects the number of times the main activity has been displayed on the front ground.

SOLUTION

UI control on the screen of the first activity so that you can go to the scond activity:

In layout: activity\_first.xml, I added a button that upon a mouse click, the screen will go to the Second Activity.

<Button  
 android:id="@+id/buttonNext"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="32dp"  
 android:text="Next"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView2" />

UI control on the screen of the second activity so that you can go back to the first activity: In layout: activity\_second.xml, I added a button that upon a mouse click, the screen will change back to the Main Activity.

<Button  
 android:id="@+id/button"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Back"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
</androidx.constraintlayout.widget.ConstraintLayout>

To display an iteration count i.e the number of times the main activity is viewed:

I have created MainViewModel.java and linked it to the rest:

public void incrementCount() {  
 Integer currentValue = count.getValue();  
 if (currentValue != null) {  
 count.setValue(currentValue + 1);  
 }  
}  
  
public LiveData<Integer> getCount() {  
 return count;  
}

Screenshots

A black rectangular device with a purple rectangle on it

Description automatically generated A black cell phone with a purple button

Description automatically generated A screenshot of a cell phone

Description automatically generated

A screen shot of a cell phone

Description automatically generated A screen shot of a cell phone

Description automatically generated A screen shot of a cell phone

Description automatically generated