[**Homework#10**](https://bb-csuohio.blackboard.com/webapps/assignment/uploadAssignment?content_id=_6362378_1&course_id=_168060_1&group_id=&mode=view)

Modify the Services app:

* Use a ProgressBar view instead/in addition to the Toast to display the progress made by the service

Solution:

Code for Start Service Button:

<Button  
 android:text="Start Service"  
 android:layout\_width="90dp"  
 android:layout\_height="50dp"  
 android:id="@+id/btnStartService"  
 app:layout\_constraintLeft\_toLeftOf="@+id/activity\_main"  
 app:layout\_constraintTop\_toTopOf="@+id/activity\_main"  
 android:layout\_marginTop="16dp"  
 app:layout\_constraintRight\_toRightOf="@+id/activity\_main"  
 app:layout\_constraintBottom\_toTopOf="@+id/btnStopService"  
 android:layout\_marginBottom="8dp"  
 android:onClick="startService" />

I have created Stop Service Button similarly.

Code for Progress Bar:

<ProgressBar  
 android:id="@+id/progressbar"  
 style="@android:style/Widget.ProgressBar.Horizontal"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 app:layout\_constraintBottom\_toTopOf="@+id/btnStopService"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/btnStartService" />

Screenshots:

A screen shot of a phone

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One full cycle of completion of progress bar from 0% to 100%

A screenshot of a phone

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Starting service and stopping it.