

List running services

Include in a second list the ones to stop

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:paddingBottom="@dimen/activity\_vertical\_margin"  
 android:paddingLeft="@dimen/activity\_horizontal\_margin"  
 android:paddingRight="@dimen/activity\_horizontal\_margin"  
 android:paddingTop="@dimen/activity\_vertical\_margin"  
 app:layout\_behavior="@string/appbar\_scrolling\_view\_behavior"  
 tools:context="com.example.tdal6392.closeservices.MainActivity"  
 tools:showIn="@layout/activity\_main"**>  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Apps Running!"  
 android:id="@+id/textView2"  
 android:layout\_alignParentTop="true"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"** />  
  
 <**Spinner  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/spinner"  
 android:textSize="19sp"  
 android:layout\_below="@+id/textView2"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"** />  
  
 <**Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Include"  
 android:id="@+id/btnInclude"  
 android:layout\_below="@+id/spinner"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginTop="55dp"** />  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Apps to close"  
 android:id="@+id/textView"  
 android:layout\_centerVertical="true"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"** />  
  
 <**Spinner  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/spinner2"  
 android:textSize="19sp"  
 android:layout\_below="@+id/textView"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"** />  
  
 <**Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Process"  
 android:id="@+id/btnProcess"  
 android:layout\_alignTop="@+id/btnDesect"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"** />  
  
 <**Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Deselect"  
 android:id="@+id/btnDesect"  
 android:layout\_below="@+id/spinner2"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginTop="47dp"** />  
  
  
</**RelativeLayout**>

**import** android.app.ActivityManager;  
**import** android.content.Context;  
**import** android.content.pm.ApplicationInfo;  
**import** android.content.pm.PackageManager;  
**import** android.os.Bundle;  
**import** android.support.design.widget.FloatingActionButton;  
**import** android.support.design.widget.Snackbar;  
**import** android.support.v7.app.AlertDialog;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.support.v7.widget.Toolbar;  
**import** android.util.Log;  
**import** android.view.View;  
**import** android.view.Menu;  
**import** android.view.MenuItem;  
**import** android.widget.ArrayAdapter;  
**import** android.widget.Spinner;  
**import** android.widget.Toast;  
  
**import** java.io.BufferedReader;  
**import** java.io.FileOutputStream;  
**import** java.io.IOException;  
**import** java.io.InputStreamReader;  
**import** java.util.ArrayList;  
**import** java.util.List;  
  
**public class** MainActivity **extends** AppCompatActivity {  
  
 String **FILE\_NAME** = **"SERVICIOS.txt"**;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
  
 LoadList1();  
 LoadList2();  
  
 HandleClick handleClick = **new** HandleClick();  
 findViewById(R.id.***btnDesect***).setOnClickListener(handleClick);  
 findViewById(R.id.***btnInclude***).setOnClickListener(handleClick);  
 findViewById(R.id.***btnProcess***).setOnClickListener(handleClick);  
 }  
  
 **private class** HandleClick **implements** View.OnClickListener {  
  
 **public void** onClick(View view) {  
 **switch**(view.getId()) {  
  
 **case** R.id.***btnInclude***:  
 btnAdd();  
 **break**;  
  
 **case** R.id.***btnDesect***:  
 btnDeselect();  
 **break**;  
  
 **case** R.id.***btnProcess***:  
 StopService();  
 **break**;  
 }  
 }  
 }  
  
  
 *// LOAD IN SPINNER 1 LIST OF BACKGROUND PROCESS  
 // LOAD FROM SERVICES IN BACKGROUND  
 //\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\** **private void** LoadList1()  
 {  
 String mensaje = **""**;  
 ArrayList<String> servicios = **new** ArrayList<String>();  
 ActivityManager am = (ActivityManager)**this**.getSystemService(***ACTIVITY\_SERVICE***);  
 List<ActivityManager.RunningServiceInfo> rs = am.getRunningServices(50);  
  
 **for** (**int** i=0; i<rs.size(); i++) {  
 ActivityManager.RunningServiceInfo rsi = rs.get(i);  
 mensaje = rsi.**process** ;  
 mensaje = mensaje.replace(**"com."**, **""**);  
 Boolean OK = **true**;  
  
 **if** (mensaje.equals(**"system"**)) OK = **false**;  
 **if** (mensaje.length()>10)  
 {  
 **if** (mensaje.substring(0,7).equals(**"android"**)) OK = **false**;  
 **if** (mensaje.substring(0,10).equals(**"google.and"**)) OK = **false**;  
 }

// no repetido

**if** (OK) {  
 **for** (**int** j=0; j< servicios.size(); j++) {  
 String ver = servicios.get(j);  
 **if** (ver.equals(mensaje)) OK = **false**;  
 }  
 }

**if** (OK) servicios.add(mensaje);  
 }  
  
*/\*  
 List<ApplicationInfo> applications = getPackageManager().getInstalledApplications(PackageManager.GET\_META\_DATA);  
 for (int n=0; n < applications.size(); n++)  
 {  
 if ((applications.get(n).flags & ApplicationInfo.FLAG\_SYSTEM) != 1) {  
 mensaje = applications.get(n).name.toString();  
 servicios.add(mensaje);  
 }  
 }  
 }  
\*/* ArrayAdapter<String> servi =  
 **new** ArrayAdapter<String>(**this**, android.R.layout.***simple\_spinner\_item***, servicios);  
 servi.notifyDataSetChanged();  
  
 Spinner spin1 = (Spinner) findViewById(R.id.***spinner***);  
 spin1.setAdapter(servi);  
 }  
  
  
 *// LOAD IN SPINNER2 LIST OF PREDIFINE PROCESS TO STOP  
 // LOAD FROM TXT FILE  
 //\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\** **private void** LoadList2()  
 {  
 ArrayList<String> servicios = **new** ArrayList<String>();  
  
 **try** {  
 BufferedReader bReader = **new** BufferedReader(**new** InputStreamReader(openFileInput(**FILE\_NAME**)));  
 String line;  
 StringBuffer text = **new** StringBuffer();  
 **while** ((line = bReader.readLine()) != **null**) {  
 servicios.add(line);  
 }  
 }  
 **catch** (Exception e)  
 {

// file does not exist  
 WriteFile(**""**);  
 }  
  
 ArrayAdapter<String> servi =  
 **new** ArrayAdapter<String>(**this**, android.R.layout.***simple\_spinner\_item***, servicios);  
 servi.notifyDataSetChanged();  
  
 Spinner spin1 = (Spinner) findViewById(R.id.***spinner2***);  
 spin1.setAdapter(servi);  
 }  
  
  
 **private void** MensajeShow(String mensaje)  
 {  
 Toast.*makeText*(getApplicationContext(),mensaje,Toast.***LENGTH\_LONG***).show();  
 }  
  
 *// STOP SERVICES IN SPINNER2  
 //\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\** **private void** StopService()  
 {  
 String cual = **""**;  
 Spinner spinner = (Spinner)findViewById(R.id.***spinner2***);  
  
 **for** (**int** i=0;i<spinner.getCount();i++){  
 cual = spinner.getItemAtPosition(i).toString();  
 cual = **"com."**+cual;  
 StopOneService(cual);  
 }  
  
 LoadList1();  
 Toast.*makeText*(getApplicationContext(), **"Processed"**,Toast.***LENGTH\_LONG***).show();  
 }  
  
 **private void** StopOneService(String cualOne)  
 {  
 Context context = getApplicationContext();  
 PackageManager pm= getPackageManager();  
 List<ApplicationInfo> packages = pm.getInstalledApplications(0);  
 ActivityManager ma = (ActivityManager)context.getSystemService(context.***ACTIVITY\_SERVICE***);  
  
 **for** (ApplicationInfo packageInfo : packages) {  
  
 *//if((packageInfo.flags & ApplicationInfo.FLAG\_SYSTEM)==1)continue;* **if**(packageInfo.**packageName**.equals(cualOne))  
 {  
  
 **try** {  
 *//MensajeShow(cualOne);* ma.killBackgroundProcesses(packageInfo.**packageName**);  
 }  
 **catch**( Exception e)  
 {  
 MensajeShow(e.toString());  
 }  
 }  
 }  
 }  
  
  
 *// ADD A BACKGROUND PROCESS TO SPINNER2  
 //\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\** **private void** btnAdd()  
 {  
 Spinner spinner = (Spinner)findViewById(R.id.***spinner***);  
 String text = spinner.getSelectedItem().toString();  
 ChangeSpinner2(text,1);  
 }  
  
  
 *// DESELECT BACKGROUND PROCESS TO STOP  
 //\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\** **private void** btnDeselect()  
 {  
 Spinner spinner = (Spinner)findViewById(R.id.***spinner2***);  
 String text = spinner.getSelectedItem().toString();  
 ChangeSpinner2(text,2);  
 }  
  
  
 **public void** ChangeSpinner2(String CualServicio, **int** opcion) {  
  
 *// 1 - ADD  
 // 2 - REVOKE* ArrayList<String> ArrLista = **new** ArrayList<String>();  
 String Lista = **""**;  
  
 Spinner spinner = (Spinner) findViewById(R.id.***spinner2***);  
  
 **for** (**int** i = 0; i < spinner.getCount(); i++) {  
  
 Boolean OK = **true**;  
 String line = spinner.getItemAtPosition(i).toString();  
  
 **if** (line.equals(CualServicio)) {  
  
 *// REVOKE ONE* **if** (opcion == 2) {  
 MensajeShow(**"Revoking "** + CualServicio);  
 OK = **false**;  
 }  
  
 *// ADD NEW ONE* **if** (opcion == 1) {  
 MensajeShow(**"Service is Already in List"**);  
 **return**;  
 }  
 }  
  
 **if** (OK) {  
 Lista = Lista + line + **"\n"**;  
 ArrLista.add(line);  
 }  
 }  
  
 **if** (opcion == 1) {  
 Lista = Lista + CualServicio+**"\n"**;  
 ArrLista.add(CualServicio);  
  
 MensajeShow(**"Added "**+ CualServicio);  
 }  
  
 *// HUBO CAMBIO EN SPINNER 2* ArrayAdapter<String> ArrAdapt =  
 **new** ArrayAdapter<String>(**this**, android.R.layout.***simple\_spinner\_item***, ArrLista);  
  
 ArrAdapt.notifyDataSetChanged();  
  
 Spinner spinner2 = (Spinner) findViewById(R.id.***spinner2***);  
 spinner2.setAdapter(ArrAdapt);  
  
 WriteFile(Lista);  
 }  
  
  
 *// WRITE FILE  
 //\*\*\*\*\*\*\*\*\*\*\** **public void** WriteFile(String Lista) {  
 **try** {  
 FileOutputStream fos = openFileOutput(**FILE\_NAME**, Context.***MODE\_PRIVATE***);  
 fos.write(Lista.toString().getBytes());  
 fos.close();  
 } **catch** (Exception e) {  
 e.printStackTrace();  
 }  
 }  
}

*<?***xml version="1.0" encoding="utf-8"***?>*<**manifest xmlns:android="http://schemas.android.com/apk/res/android"  
 package="com.example.tdal6392.closeservices"**>  
  
 <**uses-permission android:name="android.permission.READ\_EXTERNAL\_STORAGE"** />  
 <**uses-permission android:name="android.permission.WRITE\_EXTERNAL\_STORAGE"** />  
  
 <**uses-permission android:name="android.permission.KILL\_BACKGROUND\_PROCESSES"** />  
  
 <**application  
 android:allowBackup="true"  
 android:icon="@mipmap/ic\_launcher"  
 android:label="@string/app\_name"  
 android:screenOrientation="portrait"  
 android:supportsRtl="true"  
 android:theme="@style/AppTheme"**>  
 <**activity  
 android:name=".MainActivity"  
 android:label="@string/app\_name"  
 android:theme="@style/AppTheme.NoActionBar"**>  
 <**intent-filter**>  
 <**action android:name="android.intent.action.MAIN"** />  
  
 <**category android:name="android.intent.category.LAUNCHER"** />  
 </**intent-filter**>  
 </**activity**>  
 </**application**>  
  
</**manifest**>