A screenshot of a download manager

AI-generated content may be incorrect.A close-up of a computer screen

AI-generated content may be incorrect.

Androimanifest

<?xml version="1.0" encoding="utf-8"?>  
<manifest xmlns:android="http://schemas.android.com/apk/res/android"  
 package="com.example.lab7">  
  
 <uses-permission android:name="android.permission.INTERNET" />  
 <uses-permission android:name="android.permission.FOREGROUND\_SERVICE" />  
 <uses-permission android:name="android.permission.POST\_NOTIFICATIONS" />  
  
 <application  
 android:allowBackup="true"  
 android:icon="@mipmap/ic\_launcher"  
 android:label="@string/app\_name"  
 android:roundIcon="@mipmap/ic\_launcher\_round"  
 android:supportsRtl="true"  
 android:theme="@style/Theme.AppCompat.Light.DarkActionBar">  
  
 <activity  
 android:name=".MainActivity"  
 android:exported="true">  
 <intent-filter>  
 <action android:name="android.intent.action.MAIN" />  
 <category android:name="android.intent.category.LAUNCHER" />  
 </intent-filter>  
 </activity>  
  
 <service  
 android:name=".DownloadService"  
 android:enabled="true"  
 android:exported="false"  
 android:foregroundServiceType="dataSync" />  
  
 <receiver  
 android:name=".DownloadActionReceiver"  
 android:enabled="true"  
 android:exported="false">  
 <intent-filter>  
 <action android:name="com.example.downloadmanager.ACTION\_PAUSE" />  
 <action android:name="com.example.downloadmanager.ACTION\_RESUME" />  
 <action android:name="com.example.downloadmanager.ACTION\_CANCEL" />  
 </intent-filter>  
 </receiver>  
 </application>  
  
</manifest>

DownloadActionReceiver

package com.example.lab7;  
  
import android.content.BroadcastReceiver;  
import android.content.Context;  
import android.content.Intent;  
  
public class DownloadActionReceiver extends BroadcastReceiver {  
  
 @Override  
 public void onReceive(Context context, Intent intent) {  
 String action = intent.getAction();  
  
 if (action != null) {  
 Intent serviceIntent = new Intent(context, DownloadService.class);  
 serviceIntent.setAction(action);  
  
 context.startService(serviceIntent);  
 }  
 }  
}

DownloadService

package com.example.lab7;  
  
import android.content.BroadcastReceiver;  
import android.content.Context;  
import android.content.Intent;  
  
public class DownloadActionReceiver extends BroadcastReceiver {  
  
 @Override  
 public void onReceive(Context context, Intent intent) {  
 String action = intent.getAction();  
  
 if (action != null) {  
 Intent serviceIntent = new Intent(context, DownloadService.class);  
 serviceIntent.setAction(action);  
  
 context.startService(serviceIntent);  
 }  
 }  
}

MainActivity

package com.example.lab7;  
  
import android.content.BroadcastReceiver;  
import android.content.Context;  
import android.content.Intent;  
  
public class DownloadActionReceiver extends BroadcastReceiver {  
  
 @Override  
 public void onReceive(Context context, Intent intent) {  
 String action = intent.getAction();  
  
 if (action != null) {  
 Intent serviceIntent = new Intent(context, DownloadService.class);  
 serviceIntent.setAction(action);  
  
 context.startService(serviceIntent);  
 }  
 }  
}

activity\_main

package com.example.lab7;  
  
import android.content.BroadcastReceiver;  
import android.content.Context;  
import android.content.Intent;  
  
public class DownloadActionReceiver extends BroadcastReceiver {  
  
 @Override  
 public void onReceive(Context context, Intent intent) {  
 String action = intent.getAction();  
  
 if (action != null) {  
 Intent serviceIntent = new Intent(context, DownloadService.class);  
 serviceIntent.setAction(action);  
  
 context.startService(serviceIntent);  
 }  
 }  
}

notification

package com.example.lab7;  
  
import android.content.BroadcastReceiver;  
import android.content.Context;  
import android.content.Intent;  
  
public class DownloadActionReceiver extends BroadcastReceiver {  
  
 @Override  
 public void onReceive(Context context, Intent intent) {  
 String action = intent.getAction();  
  
 if (action != null) {  
 Intent serviceIntent = new Intent(context, DownloadService.class);  
 serviceIntent.setAction(action);  
  
 context.startService(serviceIntent);  
 }  
 }  
}