Lab2 Flow

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Fast Talk

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Github demo:

only show some interfaces in android studio, settings, share, commit, push

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Demo: UI Design

Open hello world project, put some UI items into ConstraintLayout.

Create another Activity, use RelativeLayout, put some buttons, change their position,

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Demo: unbounded service

Create a Service called MyService

In the bottom onCreate() of MainActivity, add:

startService(new Intent(MainActivity.this, MyService.class));

IntentFilter filter = new IntentFilter();

filter.addAction("IntentNameWhatever");

registerReceiver(contextBR, filter);

In MainActivity class, add:

private ContextReceiver contextBR = new ContextReceiver();

public class ContextReceiver extends BroadcastReceiver {

@Override

public void onReceive(Context context, Intent intent) {

if (intent.getAction().equals("IntentNameWhatever"))

{

int naive = intent.getExtras().getInt("dataInt");

Log.d("ActivityWords", "dataInt = "+naive);

int dataInt2 = 2;

Intent intent2 = new Intent("IntentNameWhatever2");

intent2.putExtra("dataInt2", dataInt2);

sendBroadcast(intent2);

}

}

}

In MyService class, add:

@Override

public void onCreate() {

Log.d("ServiceWords", "Alive");

int dataInt = 1;

Intent intent = new Intent("IntentNameWhatever");

intent.putExtra("dataInt", dataInt);

sendBroadcast(intent);

IntentFilter filter = new IntentFilter();

filter.addAction("IntentNameWhatever2");

registerReceiver(contextBR2, filter);

}

private ContextReceiver2 contextBR2 = new ContextReceiver2();

public class ContextReceiver2 extends BroadcastReceiver {

@Override

public void onReceive(Context context, Intent intent) {

if (intent.getAction().equals("IntentNameWhatever2"))

{

int naive = intent.getExtras().getInt("dataInt2");

Log.d("ServiceWords", "dataInt2 = "+naive);

}

}

}

The rest

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