QUICK-REPLY AND CUSTOMIZATION

Main.xml

<?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"  
 tools:context=".MainActivity">  
  
  
  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentTop="true"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginTop="109dp"  
 android:onClick="Display\_Notification"  
 android:text="Show Notification" />  
  
 <Button  
 android:id="@+id/button2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentBottom="true"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginBottom="199dp"  
 android:onClick="Cust\_Notification"  
 android:text="Custom Notification" />  
  
</RelativeLayout>

Main.java

package com.e.rimshagohar.remaotenoti;  
  
import android.app.Notification;  
import android.app.NotificationChannel;  
import android.app.NotificationManager;  
import android.app.PendingIntent;  
import android.support.v4.app.RemoteInput;  
import android.content.Intent;  
import android.graphics.Color;  
import android.os.Build;  
import android.support.v4.app.NotificationCompat;  
import android.support.v4.app.NotificationManagerCompat;  
import android.support.v4.app.TaskStackBuilder;  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.RemoteViews;  
  
public class MainActivity extends AppCompatActivity {  
  
 private static final String *CHANNEL\_ID* = "My\_Messages";  
 public static final String *txt\_reply* = "txt reply";  
 public static final int *Notification\_ID*=101;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 }  
 public void Display\_Notification(View view) {  
 createNotificationChannel();  
 /\* Intent yesintent=new Intent(this, YesActivity.class);  
 yesintent.setFlags(Intent.FLAG\_ACTIVITY\_NEW\_TASK|Intent.FLAG\_ACTIVITY\_CLEAR\_TASK);  
 PendingIntent yespendingintent=PendingIntent.getActivity(this,0,yesintent,PendingIntent.FLAG\_ONE\_SHOT);\*/  
 NotificationCompat.Builder mBuilder = new NotificationCompat.Builder(this, *CHANNEL\_ID*)  
 .setSmallIcon(R.drawable.*sms*)  
 .setContentTitle("My Notification")  
 .setStyle(new NotificationCompat.BigTextStyle().bigText("Much longer text that cannot fit one line..Much longer text that cannot fit one line..Much longer text that cannot fit one line"))  
  
 .setPriority(NotificationCompat.*PRIORITY\_DEFAULT*);  
 // mBuilder.addAction(R.drawable.ic\_launcher\_foreground,"Yes",yespendingintent);  
 Intent resultIntent = new Intent(this, Second.class);  
 TaskStackBuilder stackBuilder = TaskStackBuilder.*create*(this);  
 stackBuilder.addParentStack(Second.class);  
  
// Adds the Intent that starts the Activity to the top of the stack  
 stackBuilder .addNextIntentWithParentStack(resultIntent);  
 PendingIntent resultPendingIntent = stackBuilder.getPendingIntent(0,PendingIntent.*FLAG\_UPDATE\_CURRENT*);  
 mBuilder.setContentIntent(resultPendingIntent);  
 if(Build.VERSION.*SDK\_INT*>=Build.VERSION\_CODES.*N*)  
 {  
  
 RemoteInput remoteInput=new RemoteInput.Builder(*txt\_reply*).setLabel("Reply").build();  
 Intent replyIntent= new Intent(this, NoActivity.class);  
 replyIntent.setFlags(Intent.*FLAG\_ACTIVITY\_NEW\_TASK*|Intent.*FLAG\_ACTIVITY\_CLEAR\_TASK*);  
 PendingIntent replyPending= PendingIntent.*getActivity*(this, 1,replyIntent,PendingIntent.*FLAG\_ONE\_SHOT*);  
 NotificationCompat.Action action= new NotificationCompat.Action.Builder(R.drawable.*abc*,"Answer",replyPending).addRemoteInput(remoteInput).build();  
 mBuilder.addAction(action);  
  
  
 }  
 //NotificationManager manager = (NotificationManager) getSystemService(Context.NOTIFICATION\_SERVICE);  
 NotificationManagerCompat manager=NotificationManagerCompat.*from*(this);  
 manager.notify(*Notification\_ID*, mBuilder.build());  
 }  
 private void createNotificationChannel() {  
 // Create the NotificationChannel, but only on API 26+ because  
 // the NotificationChannel class is new and not in the support library  
 if (Build.VERSION.*SDK\_INT* >= Build.VERSION\_CODES.*O*) {  
 CharSequence name = "Personal Notifications";  
 String description = "This channel is for personal use";  
 int importance = NotificationManager.*IMPORTANCE\_DEFAULT*;  
 NotificationChannel channel = new NotificationChannel(*CHANNEL\_ID*, name, importance);  
 channel.setDescription(description);  
 //channel.enableLights(true);  
 //channel.setLightColor(Color.RED);  
 //channel.enableVibration(true);  
 //channel.setVibrationPattern(new long[]{100, 200, 300, 400, 500, 400, 300, 200, 400});  
 // Register the channel with the system; you can't change the importance  
 // or other notification behaviors after this  
 NotificationManager notificationManager = getSystemService(NotificationManager.class);  
 notificationManager.createNotificationChannel(channel);  
 }  
 }  
  
 public void Cust\_Notification(View view) {  
 RemoteViews notificationLayout = new RemoteViews(getPackageName(), R.layout.*cust\_small*);  
 RemoteViews notificationLayoutExpanded = new RemoteViews(getPackageName(), R.layout.*cust\_large*);  
  
// Apply the layouts to the notification  
 NotificationCompat.Builder builder = new NotificationCompat.Builder(this, *CHANNEL\_ID*)  
 .setSmallIcon(R.drawable.*abc*)  
 .setStyle(new NotificationCompat.DecoratedCustomViewStyle());  
 // .setCustomContentView(notificationLayout)  
 builder .setCustomBigContentView(notificationLayoutExpanded);  
 NotificationManagerCompat nm=NotificationManagerCompat.*from*(this);  
 nm.notify(*Notification\_ID*,builder.build());  
  
  
 }  
}

second.xml

<?xml version="1.0" encoding="utf-8"?>  
<android.support.constraint.ConstraintLayout 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"  
 tools:context=".Second">  
  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="You are in Second Activity"  
 android:textSize="18sp"  
 tools:layout\_editor\_absoluteX="89dp"  
 tools:layout\_editor\_absoluteY="215dp" />  
 <Button  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Main"  
 android:onClick="clickMe"/>  
  
</android.support.constraint.ConstraintLayout>

Second.java

package com.e.rimshagohar.remaotenoti;  
  
import android.content.Intent;  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.View;  
  
public class Second extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_second*);  
  
  
  
 }  
  
  
 public void clickMe(View view) {  
 Intent tent = new Intent(this, MainActivity.class);  
 startActivity(tent);  
 }  
}

no.xml

<?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"  
 tools:context=".NoActivity">  
  
 <TextView  
 android:id="@+id/textView2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentTop="true"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginTop="55dp"  
 android:text="You have clicked No"  
 android:textSize="18sp"  
 tools:layout\_editor\_absoluteX="121dp"  
 tools:layout\_editor\_absoluteY="60dp" />  
  
  
 <Button  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentTop="true"  
 android:layout\_marginTop="185dp"  
 android:onClick="clickMe"  
 android:paddingTop="30dp"  
 android:text="Main"  
 tools:layout\_editor\_absoluteX="0dp"  
 tools:layout\_editor\_absoluteY="203dp" />  
</RelativeLayout>

no.java

package com.e.rimshagohar.remaotenoti;  
  
import android.app.NotificationManager;  
import android.app.RemoteInput;  
import android.content.Intent;  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.TextView;  
  
public class NoActivity extends AppCompatActivity {  
 TextView display;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_no*);  
 display=findViewById(R.id.*textView2*);  
 Bundle message= RemoteInput.*getResultsFromIntent*(getIntent());  
 if(message!=null){  
  
 String msg=message.getString(MainActivity.*txt\_reply*);  
 display.setText(msg);  
 }  
 NotificationManager nm= (NotificationManager) getSystemService(*NOTIFICATION\_SERVICE*);  
 nm.cancel(MainActivity.*Notification\_ID*);  
 }  
  
  
 public void clickMe(View view) {  
  
 Intent tent = new Intent(this, MainActivity.class);  
 startActivity(tent);  
 }  
}

yes.xml

<?xml version="1.0" encoding="utf-8"?>  
<android.support.constraint.ConstraintLayout 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"  
 tools:context=".YesActivity">  
  
 <TextView  
 android:id="@+id/textView2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="You Clicked Yes Button"  
 android:textSize="18sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 tools:layout\_editor\_absoluteY="119dp" />  
  
  
 <Button  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Main"  
 android:onClick="clickMe"/>  
</android.support.constraint.ConstraintLayout>

Yes.java

package com.e.rimshagohar.remaotenoti;  
  
import android.content.Intent;  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.View;  
  
public class YesActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_yes*);  
 }  
  
 public void clickMe(View view) {  
  
 Intent tent = new Intent(this, MainActivity.class);  
 startActivity(tent);  
 }  
}

More source files to initiate

R.drawable

sms.xml

<vector xmlns:android="http://schemas.android.com/apk/res/android"  
 android:width="24dp"  
 android:height="24dp"  
 android:viewportWidth="24.0"  
 android:viewportHeight="24.0">  
 <path  
 android:fillColor="#FF000000"  
 android:pathData="M20,2L4,2c-1.1,0 -1.99,0.9 -1.99,2L2,22l4,-4h14c1.1,0 2,-0.9 2,-2L22,4c0,-1.1 -0.9,-2 -2,-2zM9,11L7,11L7,9h2v2zM13,11h-2L11,9h2v2zM17,11h-2L15,9h2v2z"/>  
</vector>

abc.xml

<vector xmlns:android="http://schemas.android.com/apk/res/android"  
 android:width="24dp"  
 android:height="24dp"  
 android:viewportWidth="24.0"  
 android:viewportHeight="24.0">  
 <path  
 android:fillColor="#FF000000"  
 android:pathData="M15.9,5c-0.17,0 -0.32,0.09 -0.41,0.23l-0.07,0.15 -5.18,11.65c-0.16,0.29 -0.26,0.61 -0.26,0.96 0,1.11 0.9,2.01 2.01,2.01 0.96,0 1.77,-0.68 1.96,-1.59l0.01,-0.03L16.4,5.5c0,-0.28 -0.22,-0.5 -0.5,-0.5zM1,9l2,2c2.88,-2.88 6.79,-4.08 10.53,-3.62l1.19,-2.68C9.89,3.84 4.74,5.27 1,9zM21,11l2,-2c-1.64,-1.64 -3.55,-2.82 -5.59,-3.57l-0.53,2.82c1.5,0.62 2.9,1.53 4.12,2.75zM17,15l2,-2c-0.8,-0.8 -1.7,-1.42 -2.66,-1.89l-0.55,2.92c0.42,0.27 0.83,0.59 1.21,0.97zM5,13l2,2c1.13,-1.13 2.56,-1.79 4.03,-2l1.28,-2.88c-2.63,-0.08 -5.3,0.87 -7.31,2.88z"/>  
</vector>

And

In R.layout

Cust\_large.xml

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout  
 xmlns:android="http://schemas.android.com/apk/res/android" android:layout\_width="match\_parent"  
 android:layout\_height="256dp">  
  
  
 <TextView  
 android:id="@+id/textView5"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Title " />  
  
 <TextView  
 android:id="@+id/textView6"  
 android:layout\_width="match\_parent"  
  
  
 android:text="Content Area"  
 android:layout\_height="wrap\_content" />  
  
</LinearLayout>

Cust\_small.xml

<?xml version="1.0" encoding="utf-8"?>  
<android.support.constraint.ConstraintLayout  
 xmlns:android="http://schemas.android.com/apk/res/android" android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent">  
  
  
  
 <TextView  
 android:id="@+id/textView3"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Title" />  
  
 <TextView  
 android:id="@+id/textView4"  
 android:layout\_width="match\_parent"  
 android:layout\_height="49dp"  
 android:text="Content of the Notification" />  
</android.support.constraint.ConstraintLayout>