Two Activities

Hi. Good morning

SEND

Second Activity

Message Received

Hi. Good morning

Enter your reply here...

REPLY

AndfroidManifest.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.girish.twoactivities">
    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:supportsRtl="true"
        android:theme="@style/AppTheme">
        <activity android:name=".MainActivity">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />
                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
        <activity android:name=".SecondActivity"
            android:label="@string/activity2_name"
            android:parentActivityName=".MainActivity">
            <meta-data
                android:name="android.support.PARENT_ACTIVITY"
                android:value="com.example.girish.twoactivities.MainActivity" />
        </activity>
    </application>
</manifest>
```

strings.xml

```xml
<resources>

    <string name="app_name">Two Activities</string>
    <string name="activity2_name">Second Activity</string>
    <string name="text_header">Message Received</string>
    <string name="editText_main">Enter your message here...</string>
```

```xml
        <string name="button_second">Reply</string>
        <string name="editText_second">Enter your reply here...</string>
        <string name="text_header_reply">Reply received</string>
</resources>
```

activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:padding="20dp"
    tools:context="com.example.girish.twoactivities.MainActivity">
    <TextView
        android:id="@+id/text_header_reply"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/text_header_reply"
        android:visibility="invisible"
        android:layout_marginBottom="20dp"
        android:textAppearance="?android:attr/textAppearanceMedium"
        android:textStyle="bold"/>
    <TextView
        android:id="@+id/text_message_reply"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@+id/text_header_reply"
        android:visibility="invisible"
        android:layout_marginLeft="20dp"
        android:layout_marginStart="20dp"
        android:textAppearance="?android:attr/textAppearanceMedium"    />
    <Button
        android:id="@+id/button_main"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentBottom="true"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
        android:onClick="launchSecondActivity"
        android:text="Send" />
    <EditText
        android:id="@+id/editText_main"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentBottom="true"
        android:layout_toLeftOf="@+id/button_main"
        android:layout_toStartOf="@id/button_main"
        android:hint="@string/editText_main" />
</RelativeLayout>
```

MainActivity.java

```java
package com.example.girish.twoactivities;
import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.widget.EditText;
import android.widget.TextView;
public class MainActivity extends AppCompatActivity {
    private static final String LOG_TAG = MainActivity.class.getSimpleName();
    public static final String EXTRA_MESSAGE =
"com.example.android.twoactivities.extra.MESSAGE";
    public static final int TEXT_REQUEST = 1;
    private EditText mMessageEditText;
    private TextView mReplyHeadTextView;
    private TextView mReplyTextView;
```

```java
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        mMessageEditText = (EditText) findViewById(R.id.editText_main);
        mReplyHeadTextView = (TextView) findViewById(R.id.text_header_reply);
        mReplyTextView = (TextView) findViewById(R.id.text_message_reply);
    }
    public void launchSecondActivity(View view) {
        Log.d(LOG_TAG, "Button clicked!");
        Intent intent = new Intent(this, SecondActivity.class);
        String message = mMessageEditText.getText().toString();
        intent.putExtra(EXTRA_MESSAGE, message);
        startActivityForResult(intent, TEXT_REQUEST);
    }
    public void onActivityResult(int requestCode, int resultCode,
                                 Intent data) {
        super.onActivityResult(requestCode, resultCode, data);
        if (requestCode == TEXT_REQUEST) {
            if (resultCode == RESULT_OK) {
                String reply = data.getStringExtra(SecondActivity.EXTRA_REPLY);
                mReplyHeadTextView.setVisibility(View.VISIBLE);
                mReplyTextView.setText(reply);
                mReplyTextView.setVisibility(View.VISIBLE);
            }
        }
    }
}
```

activity_second.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:padding="20dp"
    tools:context=".SecondActivity">
    <TextView
        android:id="@+id/text_header"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginBottom="20dp"
        android:text="@string/text_header"
        android:textAppearance="?android:attr/textAppearanceMedium"
        android:textStyle="bold"    />
    <TextView
        android:id="@+id/text_message"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@+id/text_header"
        android:layout_marginLeft="20dp"
        android:layout_marginStart="20dp"
        android:textAppearance="?android:attr/textAppearanceMedium" />
    <Button
        android:id="@+id/button_second"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentBottom="true"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
        android:onClick="returnReply"
        android:text="@string/button_second" />
    <EditText
        android:id="@+id/editText_second"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentBottom="true"
        android:layout_toLeftOf="@+id/button_second"
```

```xml
            android:layout_toStartOf="@+id/button_second"
            android:hint="@string/editText_second" />
</RelativeLayout>
```

SecondActivity.java

```java
package com.example.girish.twoactivities;
import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.EditText;
import android.widget.TextView;
public class SecondActivity extends AppCompatActivity {
    public static final String EXTRA_REPLY =
"com.example.girish.twoactivities.extra.REPLY";
    private EditText mReply;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_second);
        mReply = (EditText) findViewById(R.id.editText_second);
        Intent intent = getIntent();
        String message = intent.getStringExtra(MainActivity.EXTRA_MESSAGE);
        TextView textView = (TextView) findViewById(R.id.text_message);
        textView.setText(message);
    }
    public void returnReply(View view) {
        String reply = mReply.getText().toString();
        Intent replyIntent = new Intent();
        replyIntent.putExtra(EXTRA_REPLY, reply);
        setResult(RESULT_OK, replyIntent);
        finish();
    }
}
```