W7

strings.xml

```
1   <resources>
2       <string name="app_name">My Java APP</string>
3       <string name="yang">YangMing Mountain</string>
4       <string name="yu">yu Mountain</string>
5       <string name="tai">Tai-Lu-Ga</string>
6       <string name="loc">My location</string>
7       <string name="set">Setting</string>
8       <string name="Exit">Exit</string>
9       <string name="single">Single Selection</string>
10      <string name="s_op1">Single Option 1</string>
11      <string name="s_op2">Single Option 2</string>
12      <string name="s_op3">Single Option 3</string>
13      <string name="multiple">Multiple Selection</string>
14      <string name="m_op1">Multiple Option 1</string>
15      <string name="m_op2">Multiple Option 2</string>
16      <string name="m_op3">Multiple Option 3</string>
17      <string name="cp">copy</string>
18      <string name="pt">paste</string>
19  </resources>
```

zh-rTW\strings.xml

```xml
1   <?xml version="1.0" encoding="utf-8"?>
2   <resources>
3       <string name="app_name">我的爪哇應用程式</string>
4       <string name="yang">陽明山</string>
5       <string name="yu">玉山</string>
6       <string name="tai">太魯閣</string>
7       <string name="loc">我的位置</string>
8       <string name="set">設定</string>
9       <string name="Exit">結束</string>
10      <string name="single">單選按鈕</string>
11      <string name="s_op1">單選項目 1</string>
12      <string name="s_op2">單選項目 2</string>
13      <string name="s_op3">單選項目 3</string>
14      <string name="multiple">多選按鈕</string>
15      <string name="m_op1">多選項目 1</string>
16      <string name="m_op2">多選項目 2</string>
17      <string name="m_op3">多選項目 3</string>
18      <string name="cp">複製</string>
19      <string name="pt">貼上</string>
20  </resources>
```
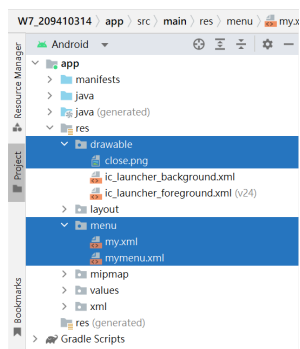
AndroidManifest.xml

```xml
1   <?xml version="1.0" encoding="utf-8"?>
2   <manifest xmlns:android="http://schemas.android.com/apk/res/android"
3       xmlns:tools="http://schemas.android.com/tools">
4       <application
5           android:allowBackup="true"
6           android:dataExtractionRules="@xml/data_extraction_rules"
7           android:fullBackupContent="@xml/backup_rules"
8           android:icon="@mipmap/ic_launcher"
9           android:label="@string/app_name"
10          android:supportsRtl="true"
11          android:theme="@style/Theme.W7_209410314"
12          tools:targetApi="31">
13          <activity
14              android:name=".MainActivity"
15              android:exported="true">
16              <intent-filter>
17                  <action android:name="android.intent.action.MAIN" />
18                  <category android:name="android.intent.category.LAUNCHER" />
19              </intent-filter>
20          </activity>
21      </application>
22  </manifest>
```

activity_main.xml

```xml
 9          <TextView
10              android:layout_width="wrap_content"
11              android:layout_height="wrap_content"
12              android:text="Hello World!"
13              android:id="@+id/res" />
14          <EditText
15              android:id="@+id/ed1"
16              android:layout_width="wrap_content"
17              android:layout_height="wrap_content"
18              android:layout_below="@+id/res"
19              android:ems="10"
20              android:inputType="textPersonName"
21              android:text=""/>
22          <EditText
23              android:id="@+id/ed2"
24              android:layout_width="wrap_content"
25              android:layout_height="wrap_content"
26              android:layout_below="@+id/ed1"
27              android:ems="10"
28              android:inputType="textPersonName"
29              android:text=""/>
```

file

my.xml

```xml
1  <?xml version="1.0" encoding="utf-8"?>
2  <menu xmlns:android="http://schemas.android.com/apk/res/android">
3      <item android:id="@+id/copy" android:title="@string/cp"></item>
4      <item android:id="@+id/paste" android:title="@string/pt"></item>
5  </menu>
```

mymenu.xml

```xml
1   <?xml version="1.0" encoding="utf-8"?>
2   <menu xmlns:android="http://schemas.android.com/apk/res/android">
3       <item android:id="@+id/yang" android:title="@string/yang"></item>
4       <item android:id="@+id/yu" android:title="@string/yu">
5           <menu>
6               <group android:id="@+id/ig2" android:checkableBehavior="all" android:menuCategory="system">
7                   <item   android:id="@+id/m_op1"
8                           android:title="@string/m_op1"
9                           android:checked="true">
10                  </item>
11                  <item android:id="@+id/m_op2" android:title="@string/m_op2"></item>
12                  <item android:id="@+id/m_op3" android:title="@string/m_op3"></item>
13              </group>
14          </menu>
15      <item>
16  <item android:id="@+id/tai" android:title="@string/tai"></item>

18      <item android:id="@+id/loc" android:title="@string/single">
19          <menu>
20              <group android:id="@+id/ig1" android:checkableBehavior="single"
21                  android:menuCategory="system">
22                  <item android:id="@+id/s_op1" android:title="@string/s_op1" android:checked="true">
23                  </item>
24                  <item android:id="@+id/s_op2" android:title="@string/s_op2"></item>
25                  <item android:id="@+id/s_op3" android:title="@string/s_op3"></item>
26              </group>
27          </menu>
28      </item>
29      <item android:id="@+id/set" android:title="@string/set"></item>
30      <item android:id="@+id/exit" android:icon="@drawable/close" android:title="@string/Exit"></item>
31  </menu>
```

MainActivity.java

```java
1     package com.example.w7_209410314;
2
3     import ...
      2 usages
16    public class MainActivity extends AppCompatActivity {
      7 usages
17        TextView rr; EditText e1,e2,sel; String cp="";
18        protected void onCreate(Bundle savedInstanceState) {
19            super.onCreate(savedInstanceState);
20            setContentView(R.layout.activity_main);
21            rr=(TextView) findViewById(R.id.res);
22            e1=(EditText)findViewById(R.id.ed1); registerForContextMenu(e1);
23            e2=(EditText)findViewById(R.id.ed2); registerForContextMenu(e2);
24        }
      1 usage
25        void showset(){
26            Intent it=new Intent(Settings.ACTION_SETTINGS);
27            startActivity(it);
28        }
      4 usages
29        public void onCreateContextMenu(ContextMenu menu, View v, ContextMenu.ContextMenuInfo menuInfo){
30            getMenuInflater().inflate(R.menu.my, menu); sel=(EditText)v;
31            super.onCreateContextMenu(menu, v, menuInfo);
32        }


33        public boolean onCreateOptionsMenu(Menu menu) {
34            MenuInflater inf=getMenuInflater();
35            inf.inflate(R.menu.mymenu, menu);
36            return super.onCreateOptionsMenu(menu);
37        }
      1 usage
38        public boolean onContextItemSelected(@NonNull MenuItem item) {
39            if (item.getItemId()==R.id.copy) { cp=sel.getText().toString(); rr.setText(cp); }
40            if (item.getItemId()==R.id.paste) { if(cp.length() > 0) sel.setText(cp); }
41            return super.onContextItemSelected(item);
42        }
      4 usages
43        public boolean onOptionsItemSelected(@NonNull MenuItem item) {
44            if(item.getItemId()==R.id.yang) rr.setText(getString(R.string.yang));
45            if(item.getItemId()==R.id.yu) rr.setText(getString(R.string.yu));
46            if(item.getItemId()==R.id.tai) rr.setText(getString(R.string.tai));
47            if(item.getItemId()==R.id.loc) rr.setText(getString(R.string.loc));
48            if(item.getItemId()==R.id.set){
49                rr.setText(getString(R.string.set)); showset();
50            }
51            if(item.getItemId()==R.id.exit) finish();
52            return super.onOptionsItemSelected(item);
53        }
54    }
```