首先贴上布局文件

```
1.
      <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
 2.
          xmlns:tools="http://schemas.android.com/tools"
 3.
          android:layout width="match parent"
 4.
          android:layout height="match parent"
          android:orientation="vertical"
 5.
          android:paddingBottom="@dimen/activity_vertical_margin"
 6.
 7.
          android:paddingLeft="@dimen/activity_horizontal_margin"
 8.
          android:paddingRight="@dimen/activity horizontal margin"
9.
          android:paddingTop="@dimen/activity_vertical_margin"
10.
          tools:context="com.example.helloworld.MainActivity" >
11.
          <EditText
12.
13.
              android:id="@+id/searchcontent"
14.
              android:layout_width="wrap_content"
15.
              android:layout_height="wrap_content"
16.
              android:hint="输入要查询的单词/文字....."
17.
18.
              />
19.
          <Button
20.
              android:id="@+id/btn search"
21.
              android:layout_width="wrap_content"
22.
              android:layout_height="wrap_content"
23.
24.
              android:text="Search"
25.
26.
              />
          <ScrollView
27.
28.
              android:layout width="fill parent"
29.
              android:layout_height="wrap_content"
              android:scrollbars="none"
30.
31.
32.
               <TextView
                   android:id="@+id/searchresult"
33.
                   android:layout width="fill parent"
34.
35.
                   android:layout_height="wrap_content"
36.
                   />
37.
38.
          </ScrollView>
39.
40.
     </LinearLayout>
```

解析有道词典返回json所需的类

```
    import java.util.List;
    public class Word {
    4.
```

```
private String errorCode;
 6.
          private String query;
          private List<String> translation;
 8.
          private Basic basic;
9.
          public String getErrorCode() {
10.
              return errorCode;
11.
12.
          public void setErrorCode(String errorCode) {
13.
              this.errorCode = errorCode;
14.
          }
15.
          public String getQuery() {
16.
             return query;
17.
          }
18.
          public void setQuery(String query) {
19.
             this.query = query;
20.
21.
          public List<String> getTranslation() {
22.
             return translation;
23.
          }
24.
          public void setTranslation(List<String> translation) {
25.
             this.translation = translation;
26.
          public Basic getBasic() {
27.
28.
             return basic;
29.
30.
          public void setBasic(Basic basic) {
31.
             this.basic = basic;
32.
33.
34.
          public List<Web> getWeb() {
35.
             return web;
36.
37.
38.
          @Override
39.
          public String toString() {
40.
              return "Word [errorCode=" + errorCode + ", query=" + query
                      + ", translation=" + translation + ", basic=" + basic.toString()
41.
42.
                      + ", web=" + web.toString() + "]";
43.
44.
          public void setWeb(List<Web> web) {
45.
             this.web = web;
46.
47.
48.
          private List<Web> web;
49.
50.
```

```
    import java.util.List;
    import com.google.gson.annotations.SerializedName;
```

```
6.
      public class Basic {
 7.
          @SerializedName("uk-phonetic")
          private String uk_phonetic;
 8.
 9.
10.
          @Override
11.
          public String toString() {
12.
              return "Basic [uk_phonetic=" + uk_phonetic + ", us_phonetic="
                      + us_phonetic + ", phonetic=" + phonetic + ", explains="
13.
14.
                      + explains + "]";
15.
          }
16.
          @SerializedName("us-phonetic")
17.
          private String us_phonetic;
18.
          private String phonetic;
19.
          public String getPhonetic() {
              return phonetic;
20.
21.
22.
          public void setPhonetic(String phonetic) {
23.
              this.phonetic = phonetic;
24.
          }
25.
          private List<String> explains;
26.
          public String getUk_phonetic() {
              return uk phonetic;
27.
28.
29.
          public void setUk_phonetic(String uk_phonetic) {
30.
              this.uk_phonetic = uk_phonetic;
31.
32.
          public String getUs phonetic() {
33.
              return us_phonetic;
34.
          public void setUs_phonetic(String us_phonetic) {
35.
36.
              this.us_phonetic = us_phonetic;
37.
38.
          public List<String> getExplains() {
39.
              return explains;
40.
41.
          public void setExplains(List<String> explains) {
42.
              this.explains = explains;
43.
          }
44.
```

```
1.
 2.
     import java.util.List;
 3.
4.
     public class Web {
 5.
 6.
          private String key;
 7.
          @Override
 8.
          public String toString() {
              return "Web [key=" + key + ", value=" + value + "]";
 9.
10.
11.
          private List<String> value;
12.
          public String getKey() {
```

```
13.
              return key;
14.
15.
          public void setKey(String key) {
16.
              this.key = key;
17.
18.
          public List<String> getValue() {
19.
              return value;
20.
21.
          public void setValue(List<String> value) {
22.
              this.value = value;
23.
          }
24.
     }
```

主程序:

```
1.
      import java.io.BufferedReader;
 2.
     import java.io.InputStream;
 3.
     import java.io.InputStreamReader;
 4.
     import java.util.List;
 5.
     import org.apache.http.HttpEntity;
 6.
      import org.apache.http.HttpResponse;
 8.
     import org.apache.http.client.HttpClient;
 9.
      import org.apache.http.client.methods.HttpGet;
     import org.apache.http.impl.client.DefaultHttpClient;
10.
11.
      import org.apache.http.util.EncodingUtils;
12.
      import org.apache.http.util.EntityUtils;
13.
      import org.json.JSONArray;
14.
      import org.json.JSONObject;
15.
16.
      import com.google.gson.Gson;
17.
     import com.google.gson.reflect.TypeToken;
18.
19.
      import android.app.Activity;
20.
     import android.os.Bundle;
21.
     import android.os.Handler;
22.
     import android.os.Message;
23.
     import android.view.Menu;
     import android.view.MenuItem;
24.
25.
     import android.view.View;
26.
     import android.view.View.OnClickListener;
27.
     import android.widget.Button;
28.
      import android.widget.EditText;
29.
     import android.widget.TextView;
30.
     import android.widget.Toast;
31.
32.
     public class MainActivity extends Activity {
33.
34.
          private static final int SHOW RESPONSE = 0;
35.
          private static final int SHOW_ERROR = 1;
          private EditText searchText;
36.
37.
          private Button btn search;
```

```
38.
          private TextView searchresult;
39.
          // ////
40.
          private String YouDaoBaseUrl = "http://fanyi.youdao.com/openapi.do";
41.
          private String YouDaoKeyFrom = "y3u3q0329";
42.
          private String YouDaokey = "825755169";
43.
          private String YouDaoType = "data";
44.
          private String YouDaoDoctype = "json";
45.
          private String YouDaoVersion = "1.1";
46.
47.
          private Handler handler = new Handler() {
48.
              public void handleMessage(android.os.Message msg) {
49.
                  switch (msg.what) {
50.
                  case SHOW RESPONSE:
51.
                      String response = (String) msg.obj;
52.
                      // 在这里进行UI操作,将结果显示到界面上
53.
                      searchresult.setText(response);
54.
                      Toast.makeText(getApplicationContext(),
55.
                              "here" + (String) msg.obj, Toast.LENGTH SHORT).show();
56.
                      break:
57.
                  case SHOW_ERROR:
58.
                      Toast.makeText(getApplicationContext(),
59.
                              "here" + (String) msg.obj, Toast.LENGTH SHORT).show();
60.
                      break:
61.
                  default:
62.
                      break:
63.
64.
              };
65.
         };
66.
67.
         @Override
68.
          protected void onCreate(Bundle savedInstanceState) {
69.
              super.onCreate(savedInstanceState);
70.
              setContentView(R.layout.activity_main);
71.
              ini();
72.
         }
73.
74.
          private void ini() {
75.
              searchText = (EditText) findViewById(R.id.searchcontent);
76.
              btn_search = (Button) findViewById(R.id.btn_search);
77.
              searchresult = (TextView) findViewById(R.id.searchresult);
78.
              btn search.setOnClickListener(new searchListener());
79.
80.
         }
81.
82.
          class searchListener implements OnClickListener {
83.
              @Override
84.
              public void onClick(View v) {
85.
                  // TODO Auto-generated method stub
86.
                  String YouDaoSearchContent = searchText.getText().toString().trim();
87.
                  if (YouDaoSearchContent.equals("")) {
                      Toast.makeText(MainActivity.this, "请输入要查询的内容!",
88.
89.
                              Toast.LENGTH_LONG).show();
90.
                  } else {
91.
```

```
92.
                       String YouDaoUrl = YouDaoBaseUrl + "?keyfrom=" + YouDaoKeyFrom
                               + "&key=" + YouDaokey + "&type=" + YouDaoType
 93.
 94.
                               + "&doctype=" + YouDaoDoctype + "&version="
                               + YouDaoVersion + "&q=" + YouDaoSearchContent;
 95.
96.
97.
                       sendRequestWithHttpClient(YouDaoUrl);
98.
99.
                   }
100.
               }
101.
102.
               private void sendRequestWithHttpClient(final String youDaoUrl) {
103.
104.
                   new Thread(new Runnable() {
105.
106.
                       @Override
107.
                       public void run() {
                           // TODO Auto-generated method stub
108.
109.
110.
                           try {
111.
                               // httpget会自动处理重定向问题
112.
                               HttpClient httpClient = new DefaultHttpClient();
113.
                               HttpGet httpGet = new HttpGet(youDaoUrl);
114.
                               HttpResponse httpResponse = httpClient.execute(httpGet);
115.
                               // 200 成功 302 重定向(页面跳转) 404资源没找到 5xx 服务器内部针
116.
                               int code = httpResponse.getStatusLine().getStatusCode();
117.
118.
                               if (code == 200) {
119.
120.
                                   BufferedReader input1 = new BufferedReader(
121.
                                           new InputStreamReader(httpResponse
122.
                                                    .getEntity().getContent()));
123.
                                   StringBuilder sb = new StringBuilder();
124.
125.
                                   for (String s = input1.readLine(); s != null; s = input
126.
                                           .readLine()) {
127.
                                       sb.append(s);
128.
129.
                                   parseJSONWithGSON(sb.toString());
130.
                               } else {
131.
132.
                                   Message message = new Message();
133.
                                   message.what = SHOW_ERROR;
134.
                                   message.obj = code + "";
135.
                                   handler.sendMessage(message);
136.
                               }
137.
                           } catch (Exception e) {
138.
139.
                               e.printStackTrace();
140.
                           } finally {
141.
                           }
142.
143.
144.
                   }).start();
145.
               }
```

```
146.
147.
               private void parseJSONWithGSON(String result)
148.
149.
150.
                   Gson gson=new Gson();
151.
                   Word word=gson.fromJson(result, new TypeToken<Word>(){}.getType());
152.
153.
                   Message mes = new Message();
154.
                   mes.what = SHOW_RESPONSE;
155.
                   mes.obj = word.toString();
156.
                   handler.sendMessage(mes);
157.
158.
               }
159.
160.
          }
161.
162.
       }
4
```

别忘了网络权限:

```
1. <uses-permission android:name="android.permission.INTERNET"/>
```

运行效果:

good

SEARCH

Word [errorCode=0, query=good, translation=[好], basic=Basic [uk_phonetic=gʊd, us_phonetic=gʊd, phonetic=gʊd, explains=[n. 好处;善行;慷慨的行为, adj. 好的;优良的;愉快的;虔诚的, adv. 好, n. (Good)人名;(英)古德;(瑞典)戈德]], web=[Web [key=Good, value=[好,善,商品]], Web [key=public good, value=[公共物品,公益事业,公共财]], Web [key=Good Doctor, value=[子 닥터, Good Doctor (TV series),好医生]]]]