基本布局：

```xml
1.  <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
2.      xmlns:tools="http://schemas.android.com/tools"
3.      android:layout_width="match_parent"
4.      android:layout_height="match_parent"
5.      android:orientation="vertical"
6.      tools:context="${relativePackage}.${activityClass}" >
7.
8.      <Button
9.          android:id="@+id/send_request"
10.         android:layout_width="match_parent"
11.         android:layout_height="wrap_content"
12.         android:text="Send Request" />
13.
14.     <ScrollView
15.         android:layout_width="match_parent"
16.         android:layout_height="match_parent" >
17.
18.         <TextView
19.             android:id="@+id/response_text"
20.             android:layout_width="match_parent"
21.             android:layout_height="wrap_content" />
22.     </ScrollView>
23.
24. </LinearLayout>
```

主程序处理：

```java
1.      @Override
2.      protected void onCreate(Bundle savedInstanceState) {
3.          super.onCreate(savedInstanceState);
4.          setContentView(R.layout.activity_main);
5.          sendRequestButton = (Button) findViewById(R.id.send_request);
6.          responseTextView = (TextView) findViewById(R.id.response_text);
7.          sendRequestButton.setOnClickListener(this);
8.      }
```

按键监听处理：

```java
1.      @Override
2.      public void onClick(View arg0) {
3.          // TODO Auto-generated method stub
4.          if (arg0.getId() == R.id.send_request) {
5.              sendRequestWithHttpURLConnection();
6.          }
7.      }
8.
9.      private void sendRequestWithHttpURLConnection() {
10.
11.         new Thread(new Runnable() {
12.
```

```java
        @Override
        public void run() {
            // TODO Auto-generated method stub
            HttpURLConnection connection = null;
            try {
                URL url = new URL("http://www.baidu.com");
                connection = (HttpURLConnection) url.openConnection();

                // 200 成功 302 从定向(页面跳转) 404资源没找到 5xx 服务器内部错误
                int code = connection.getResponseCode();
                while(code==301||code==302)
                {
                    connection=(HttpURLConnection)reload(connection);
                    code = connection.getResponseCode();
                }
                if(code==200)
                {
                    connection.setRequestMethod("GET");
                    connection.setConnectTimeout(8000);
                    connection.setReadTimeout(8000);
                    InputStream iStream = connection.getInputStream();
                    // 读取输入流
                    BufferedReader bReader = new BufferedReader(
                            new InputStreamReader(iStream));
                    StringBuilder response = new StringBuilder();
                    String line;
                    byte[] buffer = new byte[1024];
                    int len = -1;
                    while ((len = iStream.read(buffer)) != -1) {
                        line=new String(buffer,0,len);
                        if(line.contains("charset=gb2312")){//解析meta标签
                            line=new String(line.getBytes(),"gb2312");
                        }
                        response.append(line);
                    }


                    Message message = new Message();
                    message.what = SHOW_RESPONSE;
                    message.obj = response.toString();
                    handler.sendMessage(message);
                }else{

                    Message message = new Message();
                    message.what = SHOW_ERROR;
                    message.obj = code+"";
                    handler.sendMessage(message);
                }

            } catch (Exception e) {
                e.printStackTrace();
            } finally {
                if (connection != null) {
                    connection.disconnect();
```

```
67.                    }
68.                }

70.            }
71.        }).start();
72.    }
```

处理网页301 302

```
1.    private static URLConnection reload(URLConnection uc) throws Exception
2.    {
3.        HttpURLConnection huc = (HttpURLConnection) uc;
4.        if (huc.getResponseCode() == HttpURLConnection.HTTP_MOVED_TEMP || huc.getRe
5.            // 302, 301
6.            return reload(new URL(huc.getHeaderField("location")).openConnection()
7.        return uc;
8.
9.    }
```

Handler消息处理：

```
1.    private Handler handler = new Handler() {
2.        public void handleMessage(android.os.Message msg) {
3.            switch (msg.what) {
4.            case SHOW_RESPONSE:
5.                String response = (String) msg.obj;
6.                // 在这里进行UI操作，将结果显示到界面上
7.                responseTextView.setText("receive:   "+response);
8.
9.                break;
10.           case SHOW_ERROR:
11.               Toast.makeText(getApplicationContext(), "here"+(String) msg.obj, T
12.               break;
13.           default:
14.               break;
15.           }
16.        };
17.    };
```

最后不要忘记加上网络权限

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

运行效果：

SEND REQUEST

receive: <!DOCTYPE html>
<html><!--STATUS OK--><head><meta name="referrer" content="always" /><meta charset='utf-8' /><meta name="viewport" content="width=device-width,minimum-scale=1.0,maximum-scale=1.0,user-scalable=no"/><meta name="format-detection" content="telephone=no"/><noscript><style type="text/css">#page{display:none;}</style><meta http-equiv="refresh" content="0; URL=http://m.baidu.com/?from=844b&vit=fps&pu=sz%401321_480&t_noscript=jump" /></noscript><title>百度一下</title><style type="text/css" id='spa-base-style'>#search-card {display: none;}</style><style type="text/css">@font-face {font-family: 'icons';src: url(https://gss0.bdstatic.com/5bd1bjqh_Q23odCf/static/wiseindex/iconfont/iconfont_d62e2b18.eot);src: url(https://gss0.bdstatic.com/5bd1bjqh_Q23odCf/static/wiseindex/iconfont/iconfont_d62e2b18.eot#iefix) format('embedded-opentype'), url(https://gss0.bdstatic.com/5bd1bjqh_Q23odCf/static/wiseindex/iconfont/iconfont_cc49e2cb.woff) format('woff'), url(https://gss0.bdstatic.com/5bd1bjqh_Q23odCf/static/wiseindex/iconfont/iconfont_90ac37dc.ttf) format('truetype'), url(https://gss0.bdstatic.com/5bd1bjqh_Q23odCf/static/wiseindex/iconfont/iconfont_36fbf316.svg#iconfont) format('svg');font-weight: normal;font-style: normal;}i.ns-focus,i.ns-news,i.ns-novel,i.ns-video,i.ns-life,i.ns-map,i.ns-tieba,i.ns-app,i.ns-image,i.ns-website,i.ns-extend,i.ns-music {background: url(https://gss0.bdstatic.com/5bd1bjqh_Q23odCf/static/wiseindex/img/ns_diff_color_v2.png) no-repeat;background-size: 22px auto;}</style><style type="text/css" class="spa-index-style" data-lsid="plus_css_head">body,h1,h2,h3,p,div,ol,ul,input,button{margin:0;padding:0}body{font-family:Arial, Helvetica, sans-serif;text-align:center;-webkit-text-size-adjust:none;background:#f1f1f1;overflow-x:hidden}ol,ul{list-style:none}a{text-decoration:none;-webkit-tap-highlight-color:rgba(0,0,0,0)}input,button,textarea{border:0;border-radius:0;background:transparent;-webkit-appearance:none;-webkit-box-sizing: