# Android项目代码编写规范

##Android编码规范

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">包命名规范</span>

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">包（packages）：采用反域名命名规则，全部使用小写字母。一级包名为com，二级包名为xxx（可以是公司域名或者个人命名），三级包名根据应用进行命名，四级包名为模块名或层级名。</span>

<table border="1" cellspacing="0" cellpadding="0" style="color:rgb(0,0,0); line-height:24.0499992370605px; font-family:Arial; font-size:14px">

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; color:white; background:transparent">\*\*包名\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; color:white; background:transparent">\*\*说明\*\*</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*com.xxx.应用名称缩写.activities\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">页面用到的Activity类（activities层级用户界面）</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*com.xxx.应用名称缩写.fragment\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">页面用到的Fragment类</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*com.xxx.应用名称缩写.base\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">页面中每个Activity类共享的可以写成一个BaseActivity类（基础共享的类）</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*com.xxx.应用名称缩写.adapter\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">页面用到的Adapter类（适配器的类）</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*com.xxx.应用名称缩写.utils\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">此包中包含：公共工具方法类（包含日期、网络、存储、日志等工具类）</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*com.xxx.应用名称缩写.bean\*\*</span>

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*（model/domain均可，个人喜好）\*\*</span>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">实体类</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*com.xxx.应用名称缩写.db\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">数据库操作</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*com.xxx.应用名称缩写.view（或者.ui）\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">自定义的View类等</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*com.xxx.应用名称缩写.service\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">Service服务</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*com.xxx.应用名称缩写.broadcast\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">Broadcast服务</span></td>

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<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">类命名规范</span>

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">类（classes）：名词，采用大驼峰命名法，尽量避免缩写，除非该缩写是众所周知的，比如HTML，URL,如果类名称包含单词缩写，则单词缩写的每个字母均应大写。</span>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*<span style="margin:0px; padding:0px; border:0px; font-size:16px; color:white; background:transparent">类</span>\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*<span style="margin:0px; padding:0px; border:0px; font-size:16px; color:white; background:transparent">描述</span>\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*<span style="margin:0px; padding:0px; border:0px; font-size:16px; color:white; background:transparent">例如</span>\*\*</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*Application类\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">Application为后缀标识</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">XXXApplication</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*Activity类\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">Activity为后缀标识</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">闪屏页面类</span>

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">SplashActivity</span>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*解析类\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">Handler为后缀标识</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*公共方法类\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">Utils或Manager为后缀标识</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">线程池管理类：ThreadPoolManager</span>

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">日志工具类：LogUtils</span>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*数据库类\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">以DBHelper后缀标识</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">MySQLiteDBHelper</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*Service类\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">以Service为后缀标识</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">播放服务：PlayService</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*BroadcastReceiver类\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">以Broadcast为后缀标识</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">时间通知：</span>

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">TimeBroadcast</span>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*ContentProvider类\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">以Provider为后缀标识</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">单词内容提供者：DictProvider</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*直接写的共享基础类\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">以Base为前缀</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">BaseActivity,</span>

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">BaseFragment</span>

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<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">变量命名规范</span>

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">变量（variables）采用小驼峰命名法。类中控件名称必须与xml布局id保持一致。</span>

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent"><span style="margin:0px; padding:0px; border:0px; font-size:16px; color:red; background:transparent">公开的常量</span>：定义为静态final，名称全部大写。eg: public staticfinal String ACTION\_MAIN=”android.intent.action.MAIN”;</span>

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent"><span style="margin:0px; padding:0px; border:0px; font-size:16px; color:red; background:transparent">静态变量</span>：名称以s开头 eg：private static long sInstanceCount = 0;</span>

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent"><span style="margin:0px; padding:0px; border:0px; font-size:16px; color:red; background:transparent">非静态的私有变量、</span><span style="margin:0px; padding:0px; border:0px; font-size:16px; color:red; background:transparent">protected</span><span style="margin:0px; padding:0px; border:0px; font-size:16px; color:red; background:transparent">的变量</span>：以m开头，eg：private Intent mItent;</span>

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">接口命名规范</span>

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">接口（interface）：命名规则与类一样采用大驼峰命名法，多以able或ible结尾，eg：interface Runable; interface Accessible;</span>

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">方法命名规范</span>

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">方法（methods）：动词或动名词，采用小驼峰命名法，eg：onCreate(),run();</span>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; color:white; background:transparent">\*\*方法\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; color:white; background:transparent">\*\*说明\*\*</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*initXX()\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">初始化相关方法，使用init为前缀标识，如初始化布局initView()</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*isXX()\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">checkXX()方法返回值为boolean型的请使用is或check为前缀标识</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*getXX()\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">返回某个值的方法，使用get为前缀标识</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*processXX()\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">对数据进行处理的方法，尽量使用process为前缀标识</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*displayXX()\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">弹出提示框和提示信息，使用display为前缀标识</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*saveXX()\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">与保存数据相关的，使用save为前缀标识</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*resetXX()\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">对数据重组的，使用reset前缀标识</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*clearXX()\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">清除数据相关的</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*removeXX()\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">清除数据相关的</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*drawXXX()\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">绘制数据或效果相关的，使用draw前缀标识</span></td>

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<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">布局文件命名规范</span>

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent"> 全部小写，采用下划线命名法</span>

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">1)．contentview命名, Activity默认布局，以去掉后缀的Activity类进行命名。不加后缀：</span>

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*功能模块.xml\*\*</span>

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*eg：main.xml、more.xml、settings.xml\*\*</span>

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">       或者：activity\_功能模块.xml</span>

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">eg：\*\*activity\_main.xml、activity\_more.xml\*\*</span>

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">2)．Dialog命名：dialog\_描述.xml</span>

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">eg：\*\*dlg\_hint.xml\*\*</span>

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">3)．PopupWindow命名：ppw\_描述.xml</span>

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">       eg：\*\*ppw\_info.xml\*\*</span>

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">4). 列表项命名listitem\_描述.xml</span>

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">eg：\*\*listitem\_city.xml\*\*</span>

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">5)．包含项：include\_模块.xml</span>

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">eg：\*\*include\_head.xml、include\_bottom.xml\*\*</span>

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">6)．adapter的子布局：\*\*功能模块\*\*\_item.xml</span>

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">eg：\*\*main\_item.xml、\*\*</span>

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">资源id命名规范</span>

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent"> <span style="margin:0px; padding:0px; border:0px; font-size:16px; color:rgb(51,51,51); background:transparent">命名模式为：</span><span style="margin:0px; padding:0px; border:0px; font-size:16px; color:rgb(51,51,51); background:transparent">view</span><span style="margin:0px; padding:0px; border:0px; font-size:16px; color:rgb(51,51,51); background:transparent">缩写</span><span style="margin:0px; padding:0px; border:0px; font-size:16px; color:rgb(51,51,51); background:transparent">\_</span><span style="margin:0px; padding:0px; border:0px; font-size:16px; color:rgb(51,51,51); background:transparent">模块名称</span><span style="margin:0px; padding:0px; border:0px; font-size:16px; color:rgb(51,51,51); background:transparent">\_view</span><span style="margin:0px; padding:0px; border:0px; font-size:16px; color:rgb(51,51,51); background:transparent">的逻辑名称</span></span>

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent"><span style="margin:0px; padding:0px; border:0px; font-size:16px; color:rgb(51,51,51); background:transparent">view</span><span style="margin:0px; padding:0px; border:0px; font-size:16px; color:rgb(51,51,51); background:transparent">的缩写详情如下：</span></span>

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<span style="margin:0px; padding:0px; border:0px; font-size:14px; color:white; background:transparent">控件</span>

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<span style="margin:0px; padding:0px; border:0px; font-size:14px; color:white; background:transparent">缩写</span>

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<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*<span style="margin:0px; padding:0px; border:0px; font-size:16px; color:rgb(51,51,51); background:transparent">LayoutView</span>\*\*</span>

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<span style="margin:0px; padding:0px; border:0px; font-size:14px; color:rgb(51,51,51); background:transparent">lv</span>

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<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*<span style="margin:0px; padding:0px; border:0px; font-size:16px; color:rgb(51,51,51); background:transparent">RelativeView</span>\*\*</span>

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<span style="margin:0px; padding:0px; border:0px; font-size:14px; color:rgb(51,51,51); background:transparent">rv</span>

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<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*<span style="margin:0px; padding:0px; border:0px; font-size:16px; color:rgb(51,51,51); background:transparent">TextView</span>\*\*</span>

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<span style="margin:0px; padding:0px; border:0px; font-size:14px; color:rgb(51,51,51); background:transparent">tv</span>

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<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*<span style="margin:0px; padding:0px; border:0px; font-size:16px; color:rgb(70,70,70); background:transparent">Button</span>\*\*</span>

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<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*<span style="margin:0px; padding:0px; border:0px; font-size:16px; color:rgb(70,70,70); background:transparent">analogClock</span><span style="margin:0px; padding:0px; border:0px; font-size:16px; color:rgb(70,70,70); background:transparent">        </span>\*\*</span>

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<span style="margin:0px; padding:0px; border:0px; font-size:14px; color:rgb(70,70,70); background:transparent">proBar</span>

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<span style="margin:0px; padding:0px; border:0px; font-size:14px; color:rgb(70,70,70); background:transparent">skBar</span>

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<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent"><span style="margin:0px; padding:0px; border:0px; font-size:16px; color:rgb(70,70,70); background:transparent">lVi</span><span style="margin:0px; padding:0px; border:0px; font-size:16px; color:rgb(70,70,70); background:transparent"> </span><span style="margin:0px; padding:0px; border:0px; font-size:16px; color:rgb(70,70,70); background:transparent">或则</span><span style="margin:0px; padding:0px; border:0px; font-size:16px; color:rgb(70,70,70); background:transparent">lv</span></span>

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<span style="margin:0px; padding:0px; border:0px; font-size:14px; color:rgb(70,70,70); background:transparent">mapVi</span>

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<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">动画文件命名</span>

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent"> 动画文件（anim文件夹下）：全部小写，采用下划线命名法，加前缀区分。</span>

<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">//前面为动画的类型，后面为方向</span>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*<span style="margin:0px; padding:0px; border:0px; font-size:16px; color:white; background:transparent">动画命名例子</span>\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*<span style="margin:0px; padding:0px; border:0px; font-size:16px; color:white; background:transparent">规范写法</span>\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*<span style="margin:0px; padding:0px; border:0px; font-size:16px; color:white; background:transparent">备注</span>\*\*</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*fade\_in\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">淡入</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*fade\_out\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">淡出</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*push\_down\_in\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">从下方推入</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*push\_down\_out\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">从下方推出</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent"> </span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*push\_left\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">推像左方</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*slide\_in\_from\_top\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">从头部滑动进入</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*zoom\_enter\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">变形进入</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*slide\_in\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">滑动进入</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*shrink\_to\_middle\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">中间缩小</span></td>

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<span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">图片资源文件命名</span>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*<span style="margin:0px; padding:0px; border:0px; font-size:16px; color:white; background:transparent">说明</span>\*\*</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*bg\_xxx\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">这种图片一般那些比较大的图片，比如作为某个Activity的背景等</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*btn\_xxx\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">按钮，一般用于按钮，而且这种按钮没有其他状态</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*ic\_xxx\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">图标，一般用于单个图标，比如启动图片ic\_launcher</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*bg\_描述\_状态1[\_状态2]\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">用于控件上的不同状态</span></td>

</tr>

<tr>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*btn\_描述\_状态1[\_状态2]\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">用于按钮上的不同状态</span></td>

</tr>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">\*\*chx\_描述\_状态1[\_状态2]\*\*</span></td>

<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent">选择框，一般有2态和4态</span></td>

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<td valign="top"><span style="margin:0px; padding:0px; border:0px; font-size:14px; background:transparent"></span></td>

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</tbody>

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# PHP代码规范

标签（空格分隔）： 软工实践

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由于后台和安卓端的开发在于数据的衔接，而API由后台开发人员直接给出，故PHP的代码规范和JAVA的代码规范独立开来，但有必要对数据变量做个统一，故我们制定了的JAVA和PHP开发人员应该共同遵循的编码规范：

\*\*数据库表和字段/变量的命名均以小写字母+下划线命名，例如ci\_suer表，user\_name字段，avatar\_path（头像路径）\*\*

由于参与PHP的人员有三个，因此我们制定了统一的PHP开发规范。

##文件格式

文件应该保存为 Unicode（UTF-8）编码格式，不要使用 字节序标记（BOM），和 UTF-16 和 UTF-32 不一样， UTF-8 编码格式的文件不需要指定字节序。而且 BOM 会在 PHP 的输出中产生副作用， 它会阻止应用程序设置它的头信息。另外，所有的换行符应该使用 Unix 格式换行符（LF）。

##PHP 结束标签

PHP 结束标签 ?> 对于 PHP 解析器来说是可选的，但是只要使用了，结束标签之后的空格 有可能会导致不想要的输出，这个空格可能是由开发者或者用户又或者 FTP 应用程序引入的， 甚至可能导致出现 PHP 错误，如果配置了不显示 PHP 错误，就会出现空白页面。基于这个原因， 所有的 PHP 文件将不使用结束标签，而是以一个空行代替。

##文件的命名

类文件的命名必须以大写字母开头，其他文件（配置文件，视图，一般的脚本文件等）的命名是全小写。

例如：

>Somelibrary.php

Some\_library.php

applicationconfig.php

application\_config.php

另外，类文件的名称必须和类的名称保持一致，例如，如果你有一个类名为 Myclass ， 那么文件名应该是 Myclass.php 。

##类和方法的命名

类名必须以大写字母开头，多个单词之间使用下划线分割，不要使用驼峰命名法。

```PHP

class Super\_class {

public function \_\_construct()

{

}

}

```

类的方法应该使用全小写，并且应该明确指出该方法的功能，最好包含一个动词。 避免使用冗长的名称，多个单词之间使用下划线分割。

错误的:

```PHP

function fileproperties() // not descriptive and needs underscore separator

function fileProperties() // not descriptive and uses CamelCase

function getfileproperties() // Better! But still missing underscore separator

function getFileProperties() // uses CamelCase

function get\_the\_file\_properties\_from\_the\_file() // wordy

```

正确的:

```PHP

function get\_file\_properties() // descriptive, underscore separator, and all lowercase letters

```

##变量的命名

变量的命名规则和类方法的命名规则非常接近，使用全小写，使用下划线分割， 并且应该明确指出该变量的用途。非常短的无意义的变量只应该在 for 循环中作为迭代器使用。

错误的:

```PHP

$j = 'foo'; // single letter variables should only be used in for() loops

$Str // contains uppercase letters

$bufferedText // uses CamelCasing, and could be shortened without losing semantic meaning

$groupid // multiple words, needs underscore separator

$name\_of\_last\_city\_used // too long

```

正确的:

```PHP

for ($j = 0; $j < 10; $j++)

$str

$buffer

$group\_id

$last\_city

```

##注释

通常情况下，应该多写点注释，这不仅可以向那些缺乏经验的程序员描述代码的流程和意图， 而且当你几个月后再回过头来看自己的代码时仍能帮你很好的理解。 注释并没有强制规定的格式，但是建议以下的形式。

DocBlock 风格的注释，写在类、方法和属性定义的前面，可以被 IDE 识别:

```PHP

/\*\*

\* Super Class

\*

\* @package Package Name

\* @subpackage Subpackage

\* @category Category

\* @author Author Name

\* @link http://example.com

\*/

class Super\_class {

/\*\*

\* Encodes string for use in XML

\*

\* @param string $str Input string

\* @return string

\*/

function xml\_encode($str)

/\*\*

\* Data for class manipulation

\*

\* @var array

\*/

public $data = array();

```

单行注释应该和代码合在一起，大块的注释和代码之间应该留一个空行。

```PHP

// break up the string by newlines

$parts = explode("\n", $str);

// A longer comment that needs to give greater detail on what is

// occurring and why can use multiple single-line comments. Try to

// keep the width reasonable, around 70 characters is the easiest to

// read. Don't hesitate to link to permanent external resources

// that may provide greater detail:

//

// http://example.com/information\_about\_something/in\_particular/

$parts = $this->foo($parts);

```

##常量

常量遵循和变量一样的命名规则，除了它需要全部大写。

错误的:

```PHP

myConstant // missing underscore separator and not fully uppercase

N // no single-letter constants

S\_C\_VER // not descriptive

$str = str\_replace('{foo}', 'bar', $str); // should use LD and RD constants

```

正确的:

```PHP

MY\_CONSTANT

NEWLINE

SUPER\_CLASS\_VERSION

$str = str\_replace(LD.'foo'.RD, 'bar', $str);

```

TRUE、FALSE 和 NULL

TRUE 、 FALSE 和 NULL 这几个关键字全部使用大写。

##逻辑操作符

不要使用 || 操作符，它在一些设备上看不清（可能看起来像是数字 11）， 使用 && 操作符比使用 AND 要好一点，但是两者都可以接受。 另外，在 ! 操作符的前后都应该加一个空格。

错误的:

```PHP

if ($foo || $bar)

if ($foo AND $bar) // okay but not recommended for common syntax highlighting applications

if (!$foo)

if (! is\_array($foo))

```

正确的:

```PHP

if ($foo OR $bar)

if ($foo && $bar) // recommended

if ( ! $foo)

if ( ! is\_array($foo))

```

##对返回值进行比较以及类型转换

有一些 PHP 函数在失败时返回 FALSE ，但是也可能会返回 "" 或 0 这样的有效值， 这些值在松散类型比较时和 FALSE 是相等的。所以当你在条件中使用这些返回值作比较时， 一定要使用严格类型比较，确保返回值确实是你想要的，而不是松散类型的其他值。

在检查你自己的返回值和变量时也要遵循这种严格的方式，必要时使用 === 和 !== 。

错误的:

```PHP

// If 'foo' is at the beginning of the string, strpos will return a 0,

// resulting in this conditional evaluating as TRUE

if (strpos($str, 'foo') == FALSE)

```

正确的:

```PHP

if (strpos($str, 'foo') === FALSE)

```

错误的:

```PHP

function build\_string($str = "")

{

if ($str == "") // uh-oh! What if FALSE or the integer 0 is passed as an argument?

{

}

}

```

正确的:

```PHP

function build\_string($str = "")

{

if ($str === "")

{

}

}

```

##调试代码

不要在你的提交中包含调试代码，就算是注释掉了也不行。 像 var\_dump() 、 print\_r() 、 die() 和 exit() 这样的函数，都不应该包含在你的代码里， 除非它们用于除调试之外的其他特殊用途。

##一个类一个文件

除非几个类是\*紧密相关的\*，否则每个类应该单独使用一个文件。

##空格

在代码中使用制表符（tab）来代替空格，这虽然看起来是一件小事，但是使用制表符代替空格， 可以让开发者阅读你代码的时候，可以根据他们的喜好在他们的程序中自定义缩进。 此外还有一个好处是，这样文件可以更紧凑一点，也就是本来是四个空格字符， 现在只要一个制表符就可以了。

##代码缩进

使用 Allman 代码缩进风格。除了类的定义之外，其他的所有大括号都应该独占一行， 并且和它对应的控制语句保持相同的缩进。

```PHP

//错误的:

function foo($bar) {

// ...

}

foreach ($arr as $key => $val) {

// ...

}

if ($foo == $bar) {

// ...

} else {

// ...

}

for ($i = 0; $i < 10; $i++)

{

for ($j = 0; $j < 10; $j++)

{

// ...

}

}

//正确的:

function foo($bar)

{

// ...

}

foreach ($arr as $key => $val)

{

// ...

}

if ($foo == $bar)

{

// ...

}

else

{

// ...

}

for ($i = 0; $i < 10; $i++)

{

for ($j = 0; $j < 10; $j++)

{

// ...

}

}

```

##中括号和小括号内的空格

一般情况下，使用中括号和小括号的时候不应该使用多余的空格。 唯一的例外是，在那些接受一个括号和参数的 PHP 的控制结构（declare、do-while、elseif、for、 foreach、if、switch、while）的后面应该加一个空格，这样做可以和函数区分开来，并增加可读性。

错误的:

```PHP

$arr[ $foo ] = 'foo';

```

正确的

```PHP

$arr[$foo] = 'foo'; // no spaces around array keys

```

错误的:

```PHP

function foo ( $bar )

{

}

```

正确的:

```PHP

function foo($bar) // no spaces around parenthesis in function declarations

{

}

```

错误的:

```PPHP

foreach( $query->result() as $row )

```

正确的:

```PHP

foreach ($query->result() as $row) // single space following PHP control structures, but not in interior parenthesis

```

##PHP 错误

运行代码时不应该出现任何错误信息，并不是把警告和提示信息关掉来满足这一点。 例如，绝不要直接访问一个你没设置过的变量（例如，$\_POST 数组）， 你应该先使用 isset() 函数判断下。

确保开发环境对所有人都开启了错误报告，PHP 环境的 display\_errors 参数也开启了， 你可以通过下面的代码来检查:

```PHP

if (ini\_get('display\_errors') == 1)

{

exit "Enabled";

}

```

有些服务器上 display\_errors 参数可能是禁用的，而且你没有权限修改 php.ini 文件， 你可以使用下面的方法来启用它:

```PHP

ini\_set('display\_errors', 1);

```

##短标记

使用 PHP 的完整标记，防止服务器不支持短标记（ short\_open\_tag ）参数。

错误的:

```PHP

<? echo $foo; ?>

<?=$foo?>

```

正确的:

```

<?php echo $foo; ?>

```

##每行只有一条语句

切记不要在同一行内写多条语句。

错误的:

```PHP

$foo = 'this'; $bar = 'that'; $bat = str\_replace($foo, $bar, $bag);

```

正确的:

```PHP

$foo = 'this';

$bar = 'that';

$bat = str\_replace($foo, $bar, $bag);

```

##字符串

字符串使用单引号引起来，当字符串中有变量时使用双引号，并且使用大括号将变量包起来。 另外，当字符串中有单引号时，也应该使用双引号，这样就不用使用转义符。

错误的:

```PHP

"My String" // no variable parsing, so no use for double quotes

"My string $foo" // needs braces

'SELECT foo FROM bar WHERE baz = \'bag\'' // ugly

```

正确的:

```PHP

'My String'

"My string {$foo}"

"SELECT foo FROM bar WHERE baz = 'bag'"

```

##SQL 查询

SQL 关键字永远使用大写：SELECT、INSERT、UPDATE、WHERE、AS、JOIN、ON、IN 等。

考虑到易读性，把长的查询分成多行，最好是每行只有一个从句或子从句。

错误的:

```PHP

// keywords are lowercase and query is too long for

// a single line (... indicates continuation of line)

$query = $this->db->query("select foo, bar, baz, foofoo, foobar as raboof, foobaz from exp\_pre\_email\_addresses

...where foo != 'oof' and baz != 'zab' order by foobaz limit 5, 100");

```

正确的:

```PHP

$query = $this->db->query("SELECT foo, bar, baz, foofoo, foobar AS raboof, foobaz

FROM exp\_pre\_email\_addresses

WHERE foo != 'oof'

AND baz != 'zab'

ORDER BY foobaz

LIMIT 5, 100");

```