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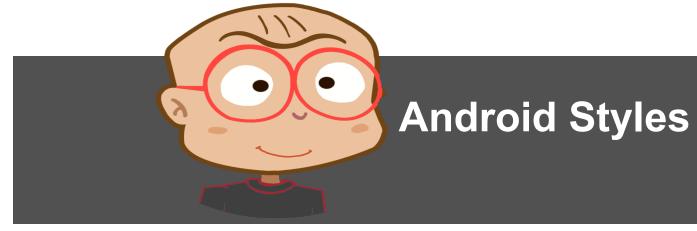
Android UI Layout

Android UI Controls

Android Event Handling

Android Style and Themes

Android Custom Components



## **Android Styles & Themes**



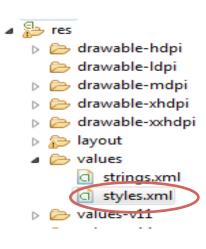
### Android Style & Theme

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical" >

    <TextView
        android:id="@+id/text_id"
        style="@style/CustomFontStyle"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:onClick="onButtonClicked"
        android:text="TestStyle" />
</LinearLayout>
```



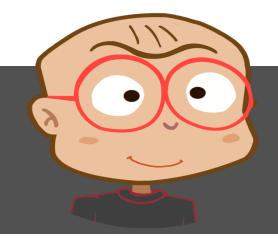
### Android Style & Theme





### Android Style & Theme

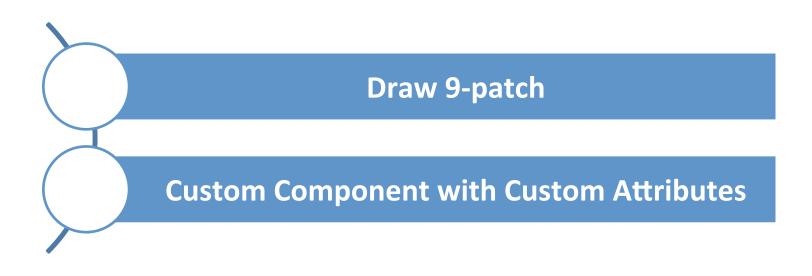
```
<activity
          android:name="com.tecdkids.ZZZActivity"
          android:theme="@style/CustomFontStyle" >
           </activity>
```



# **Android Custom Components**

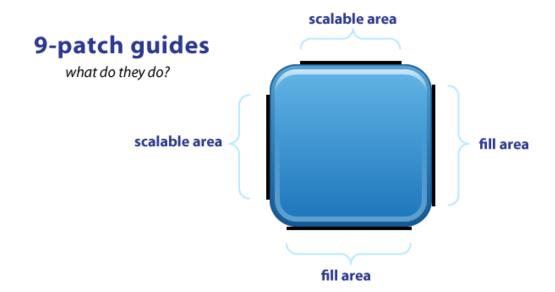


### **Android Custom Components**





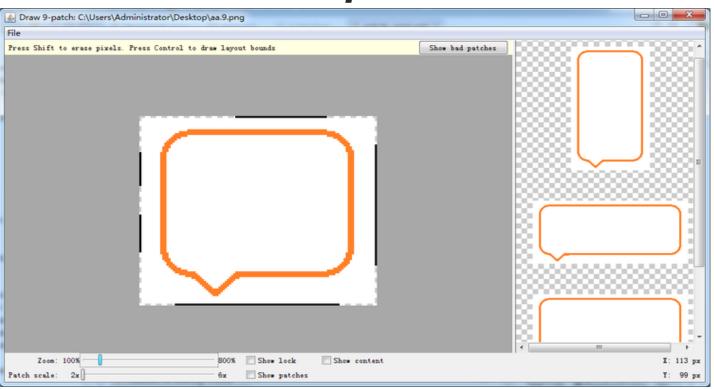
### **Android Custom Components**



The **Draw 9-patch** tool is a WYSIWYG editor that allows you to create bitmap images that automatically resize to accommodate the contents of the view and the size of the screen. Selected parts of the image are scaled horizontally or vertically based indicators drawn within the image.



### **Android Custom Components**





#### **Custom Component with Custom**

```
Attribute="1.0" encoding="utf-8"?>
🛮 🔑 res
   drawable-hdpi
                                    <declare-styleable name="CustomEditText">
      drawable-ldpi
                                         <attr name="needNumber" format="boolean" />
   drawable-mdpi
                                    </declare-styleable>
   drawable-xhdpi
                                </resources>
                                                                            Using
   drawable-xxhdpi
   layout
                               <?xml version="1.0" encoding="utf-8"?>
   values
                               <LinearLayout</pre>
          attrs.xml
          strings.xml
                               <com.techkids.androidui.widget.CustomEditText</pre>
                                      android:id="@+id/customEdittext"

☐ styles.xml

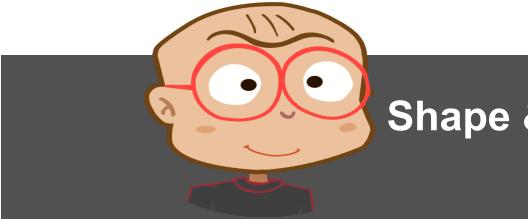
                                      android:layout width="wrap content"
   values-v11
                                      android:layout height="wrap content"
   N. A. Values -v14
                                      android:text="TestStyle"
                                      app:needNumber="true" />
                               </LinearLayout>
```



# Custom Component with Custom Get Attribute Attribute



# Custom Component with Custom Using attribute Attribute



## Shape & Selector



### Shape

Shape Drawable
This is a generic shape defined in XML.

- o FILE LOCATION:res/drawable/filename.xml
- o RESOURCE REFERENCE:In Java: R.drawable.filename
- o In XML: @[package:]drawable/filename



#### **Shape**

```
<?xml version="1.0" encoding="UTF-8"?>
<shape xmlns:android="http://schemas.android.com/apk/res/android" >
    <solid android:color="#1e1e1e" />
    kstroke
        android:width="1dp"
        android:color="#55ffffff" />
    <corners |
        android:bottomLeftRadius="8dp"
        android:bottomRightRadius="8dp"
        android:topLeftRadius="8dp"
        android:topRightRadius="8dp" />
    <gradient</pre>
        android:angle="0"
        android:endColor="#ef5429"
        android:startColor="#ad3210" />
</shape>
```



### **Selector**

- o FILE LOCATION:res/drawable/filename.xml
- o RESOURCE REFERENCE:In Java: R.drawable.filename
- o In XML: @[package:]drawable/filename



### Shape



### **Exit Course**

# **THANK YOU**