Programação para Dispositivos Móveis

04 – Views

- Componentes básicos
  - TextView
  - EditText
  - Button
  - ImageButton
  - CheckBox
  - ToggleButton
  - RadioButton
  - RadioGroup

Objetendo ajuda

A melhor fonte de referências para os atributos e views é o próprio site do google:
http://developer.android.com/reference/

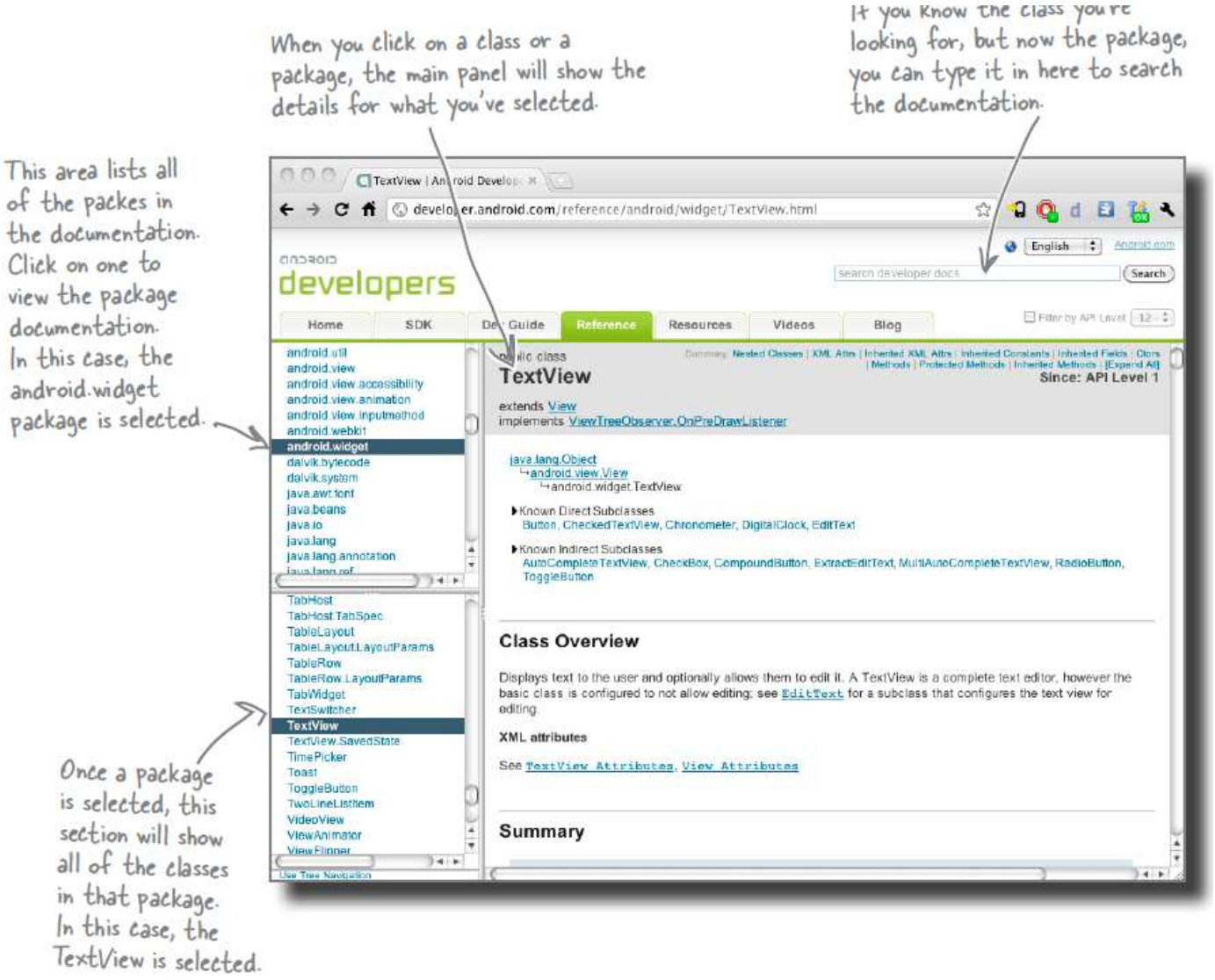
Para os atributos XML e Ações
http://developer.android.com/reference/android/view/View.html

Nested Classes		
class	View.AccessibilityDelegate	This class represents a delegate that can be registered in a View to enhance accessibility support via composition rather via inheritance.
class	View.BaseSavedState	Base class for derived classes that want to save and restore their own state in onSaveInstanceState().
class	View.DragShadowBuilder	Creates an image that the system displays during the drag and drop operation.
class	View.MeasureSpec	A MeasureSpec encapsulates the layout requirements passed from parent to child.
interface	View.OnAttachStateChangeListener	Interface definition for a callback to be invoked when this view is attached or detached from its window.
interface	View.OnClickListener	Interface definition for a callback to be invoked when a view is clicked.
interface	View.OnCreateContextMenuListener	Interface definition for a callback to be invoked when the context menu for this view is being built.
interface	View.OnDragListener	Interface definition for a callback to be invoked when a drag is being dispatched to this view.
interface	View.OnFocusChangeListener	Interface definition for a callback to be invoked when the focus state of a view changed.
interface	View.OnGenericMotionListener	Interface definition for a callback to be invoked when a generic motion event is dispatched to this view.
interface	View.OnHoverListener	Interface definition for a callback to be invoked when a hover event is dispatched to this view.
interface	View.OnKeyListener	Interface definition for a callback to be invoked when a hardware key event is dispatched to this view.
interface	View.OnLayoutChangeListener	Interface definition for a callback to be invoked when the layout bounds of a view changes due to layout processing.
interface	View.OnLongClickListener	Interface definition for a callback to be invoked when a view has been clicked and held.
interface	View.OnSystemUiVisibilityChangeListener	Interface definition for a callback to be invoked when the status bar changes visibility.
interface	View.OnTouchListener	Interface definition for a callback to be invoked when a touch event is dispatched to this view.

XML Attributes		
Attribute Name	*Related Method*	*Description*
android:accessibilityLiveRegion	setAccessibilityLiveRegion(int)	Indicates to accessibility services whether the user should be notified when this view changes.
android:alpha	setAlpha(float)	alpha property of the view, as a value between 0 (completely transparent) and 1 (completely opaque).
android:background	setBackgroundResource(int)	A drawable to use as the background.
android:clickable	setClickable(boolean)	Defines whether this view reacts to click events.
android:contentDescription	setContentDescription(CharSequence)	Defines text that briefly describes content of the view.
android:drawingCacheQuality	setDrawingCacheQuality(int)	Defines the quality of translucent drawing caches.
android:duplicateParentState		When this attribute is set to true, the view gets its drawable state (focused, pressed, etc.) from its direct parent rather than from itself.
android:fadeScrollbars	setScrollbarFadingEnabled(boolean)	Defines whether to fade out scrollbars when they are not in use.
android:fadingEdgeLength	getVerticalFadingEdgeLength()	Defines the length of the fading edges.
android:filterTouchesWhenObscured	setFilterTouchesWhenObscured(boolean)	Specifies whether to filter touches when the view's window is obscured by another visible window.
android:fitsSystemWindows	setFitsSystemWindows(boolean)	Boolean internal attribute to adjust view layout based on system windows such as the status bar.

Obtendo ajuda sobre os componentes

Para conhecer os componentes e propriedades:



Atribuindo ações para eventos: Button

```
public class MainActivity extends Activity {
    /** Called when the activity is first created. */
    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.main);

        //---Button view---
        Button btnOpen = (Button) findViewById(R.id.btnOpen);
        btnOpen.setOnClickListener(new View.OnClickListener() {
            public void onClick(View v) {
                DisplayToast("You have clicked the Open button");
            }
        });
```

Folha 04-Exercícios

Anhanguera

Introdução ao Desenvolvimento de Aplicativos para o
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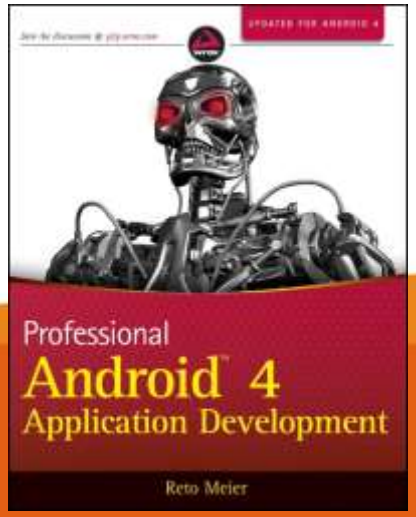
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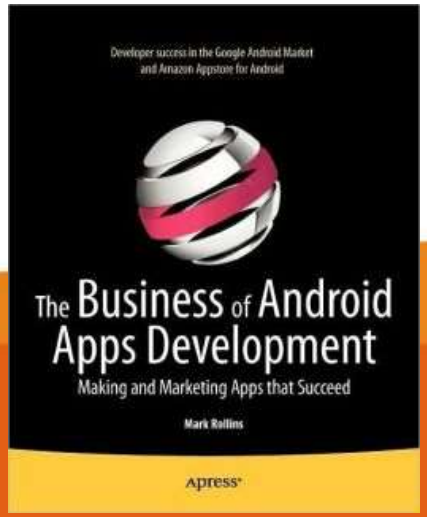
Developer success in the Google Android Market and Amazon Appstore for Android
The Business of Android Apps Development
Making and Marketing Apps that Succeed
Mark Rollins
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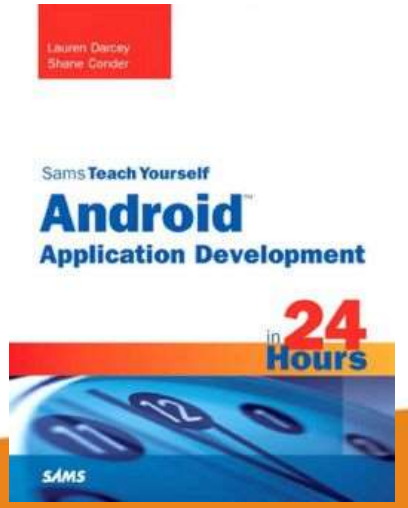
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