

ANDROID ADAPTER VIEWS – ADAPTERS – DATA SOURCES

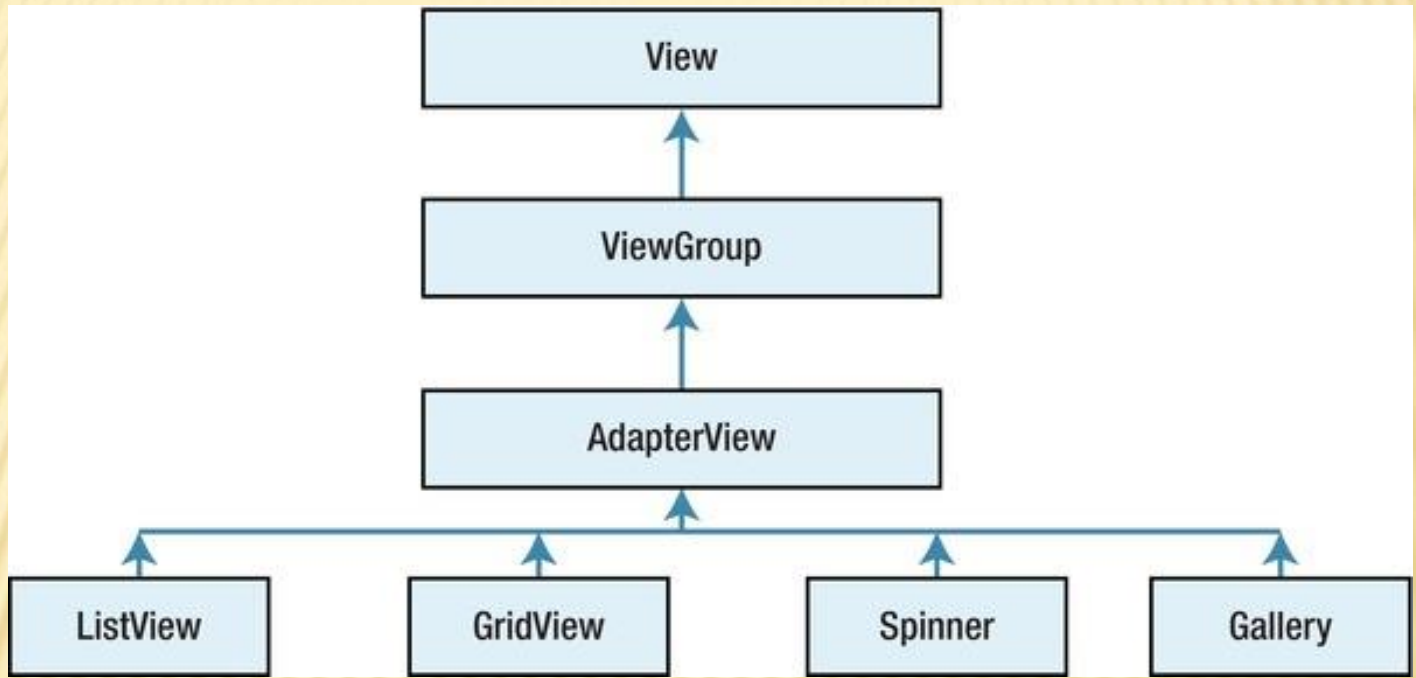


EX:
ListView

EX: Array,
Cursor

ADAPTERVIEW

- ✘ An AdapterView is a view whose children are determined by an Adapter.
- ✘ ListView, GridView, Spinner and Gallery are commonly used subclasses of AdapterView.



ADAPTERVIEW NESTED CLASSES

class	AdapterView.AdapterContextMenuInfo	Extra menu information provided to the <code>onCreateContextMenu(ContextMenu, View, ContextMenuInfo)</code> callback when a context menu is brought up for this AdapterView.
interface	AdapterView.OnItemClickListener	Interface definition for a callback to be invoked when an item in this AdapterView has been clicked.
interface	AdapterView.OnItemLongClickListener	Interface definition for a callback to be invoked when an item in this view has been clicked and held.
interface	AdapterView.OnItemSelectedListener	Interface definition for a callback to be invoked when an item in this view has been selected.

ADAPTER

- ✘ An Adapter object acts as a bridge between an AdapterView and the underlying data for that view.
- ✘ The Adapter provides access to the data items.
- ✘ The Adapter is also responsible for making a View for each item in the data set.
- ✘ Subclasses: ArrayAdapter<T>, BaseAdapter, CursorAdapter, HeaderViewListAdapter, ListAdapter, ResourceCursorAdapter, SimpleAdapter, SimpleCursorAdapter, SpinnerAdapter, ThemedSpinnerAdapter, WrapperListAdapter

ARRAYADAPTER

- ✘ A concrete BaseAdapter that is backed by an array of arbitrary objects.
- ✘ By default this class expects that the provided resource id references a single TextView.
- ✘ If you want to use a more complex layout, use the constructors that also takes a field id.

LISTVIEW

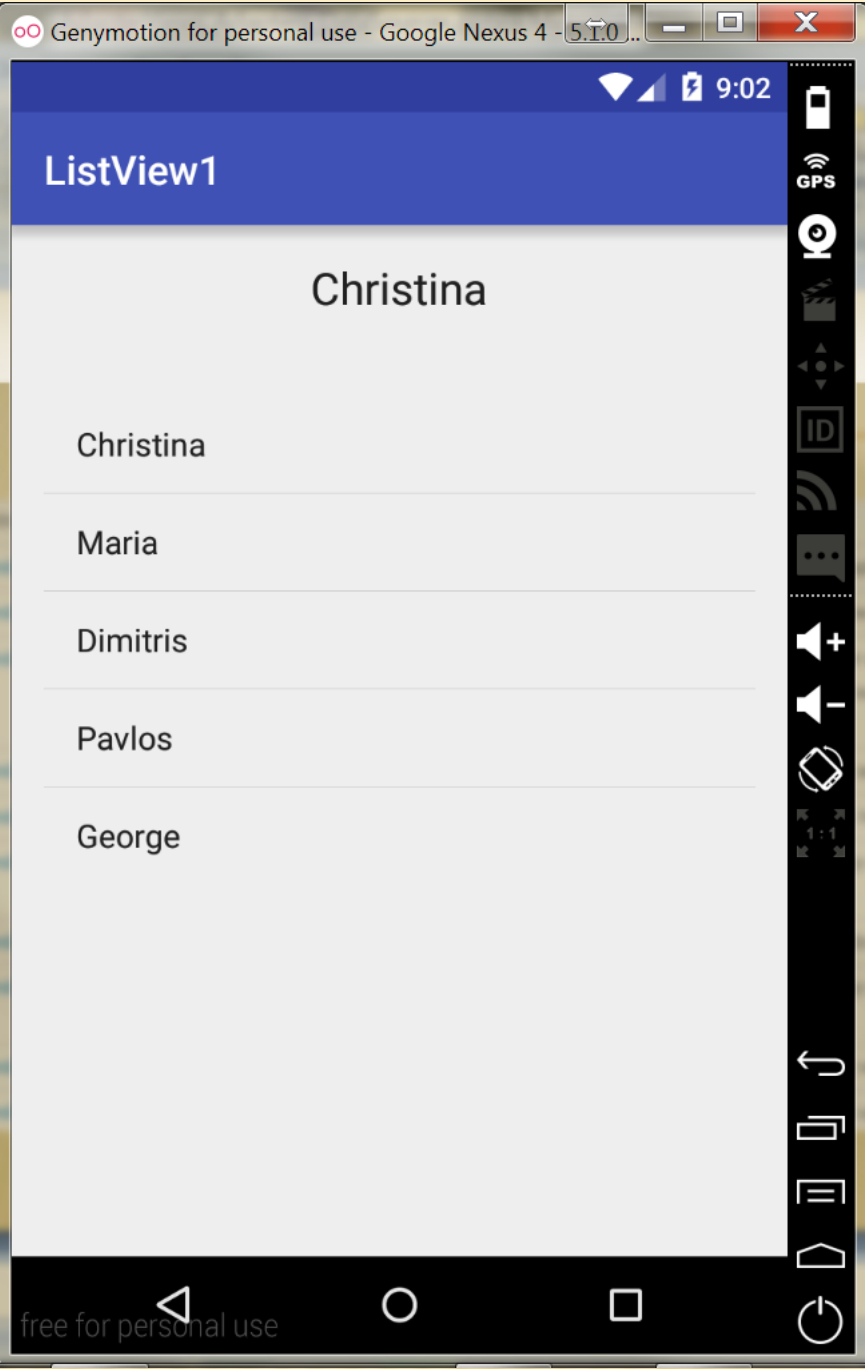
- ✘ ListView is a view group that displays a list of scrollable items.
- ✘ The list items are automatically inserted to the list using an Adapter that pulls content from a source such as an array or database query and converts each item result into a view that's placed into the list.

LISTVIEW



LISTVIEW XML ATTRIBUTES

<i>Attribute Name</i>	<i>Related Method</i>	<i>Description</i>
android:divider		Drawable or color to draw between list items.
android:divider	setDivider(Drawable)	Drawable or color to draw between list items.
android:dividerHeight		Height of the divider.
android:entries		Reference to an array resource that will populate the ListView.
android:footerDividersEnabled		When set to false, the ListView will not draw the divider before each footer view.
android:headerDividersEnabled		When set to false, the ListView will not draw the divider after each header view.



ListView1

Christina

Christina

Maria

Dimitris

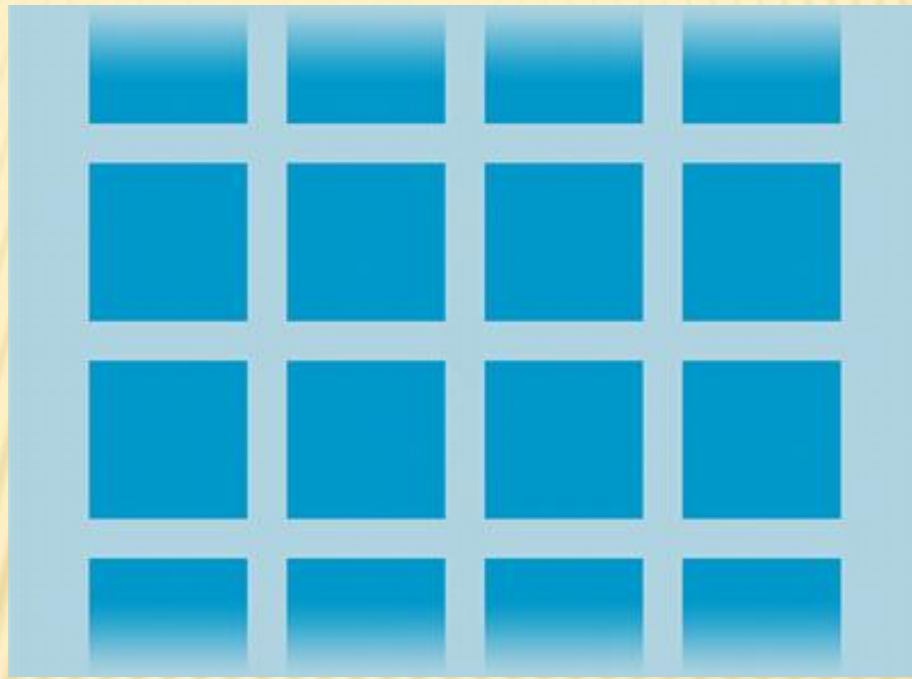
Pavlos

George

GRIDVIEW

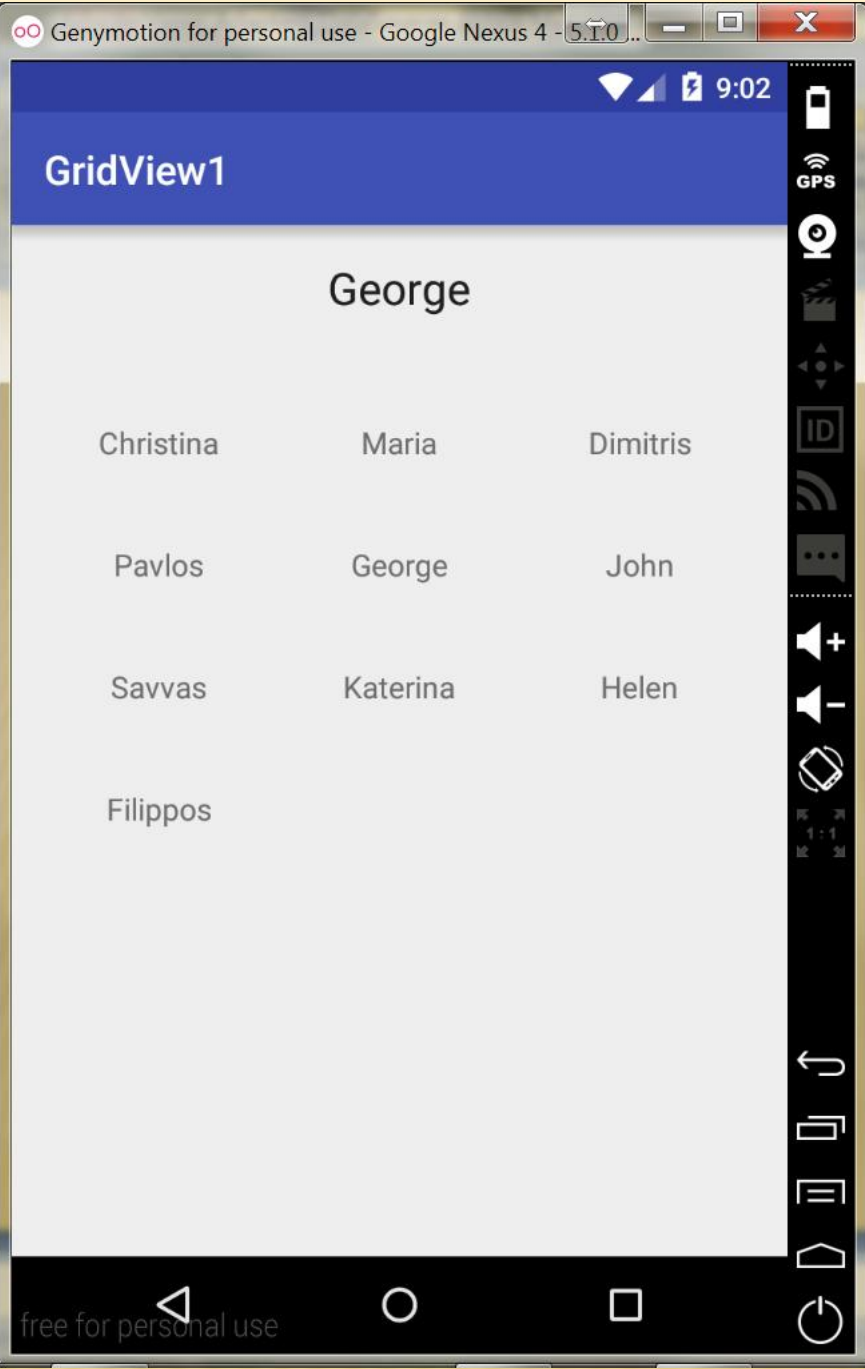
- ✘ GridView is a ViewGroup that displays items in a two-dimensional, scrollable grid.
- ✘ The grid items are automatically inserted to the layout using a ListAdapter.

GRIDVIEW



GRIDVIEW XML ATTRIBUTES

<i>Attribute Name</i>	<i>Related Method</i>	<i>Description</i>
<code>android:completionHint</code>	<code>setCompletionHint(CharSequence)</code>	Defines the hint displayed in the drop down menu.
<code>android:completionHintView</code>		Defines the hint view displayed in the drop down menu.
<code>android:completionThreshold</code>	<code>setThreshold(int)</code>	Defines the number of characters that the user must type before completion suggestions are displayed in a drop down menu.
<code>android:dropDownAnchor</code>	<code>setDropDownAnchor(int)</code>	View to anchor the auto-complete dropdown to.
<code>android:dropDownHeight</code>	<code>setDropDownHeight(int)</code>	Specifies the basic height of the dropdown.
<code>android:dropDownHorizontalOffset</code>	<code>setDropDownHorizontalOffset(int)</code>	Amount of pixels by which the drop down should be offset horizontally.
<code>android:dropDownSelector</code>		Selector in a drop down list.
<code>android:dropDownVerticalOffset</code>	<code>setDropDownVerticalOffset(int)</code>	Amount of pixels by which the drop down should be offset vertically.
<code>android:dropDownWidth</code>	<code>setDropDownWidth(int)</code>	Specifies the basic width of the dropdown.
<code>android:popupBackground</code>	<code>setDropDownBackgroundResource(int)</code>	The background to use for the popup window.



GridView1

George

Christina Maria Dimitris

Pavlos George John

Savvas Katerina Helen

Filippos

SPINNER

- ✘ A view that displays one child at a time and lets the user pick among them.
- ✘ The items in the Spinner come from the Adapter associated with this view.
- ✘ Spinners provide a quick way to select one value from a set. In the default state, a spinner shows its currently selected value.
- ✘ Touching the spinner displays a dropdown menu with all other available values, from which the user can select a new one.

SPINNER

jay@gmail.com

Home

Home

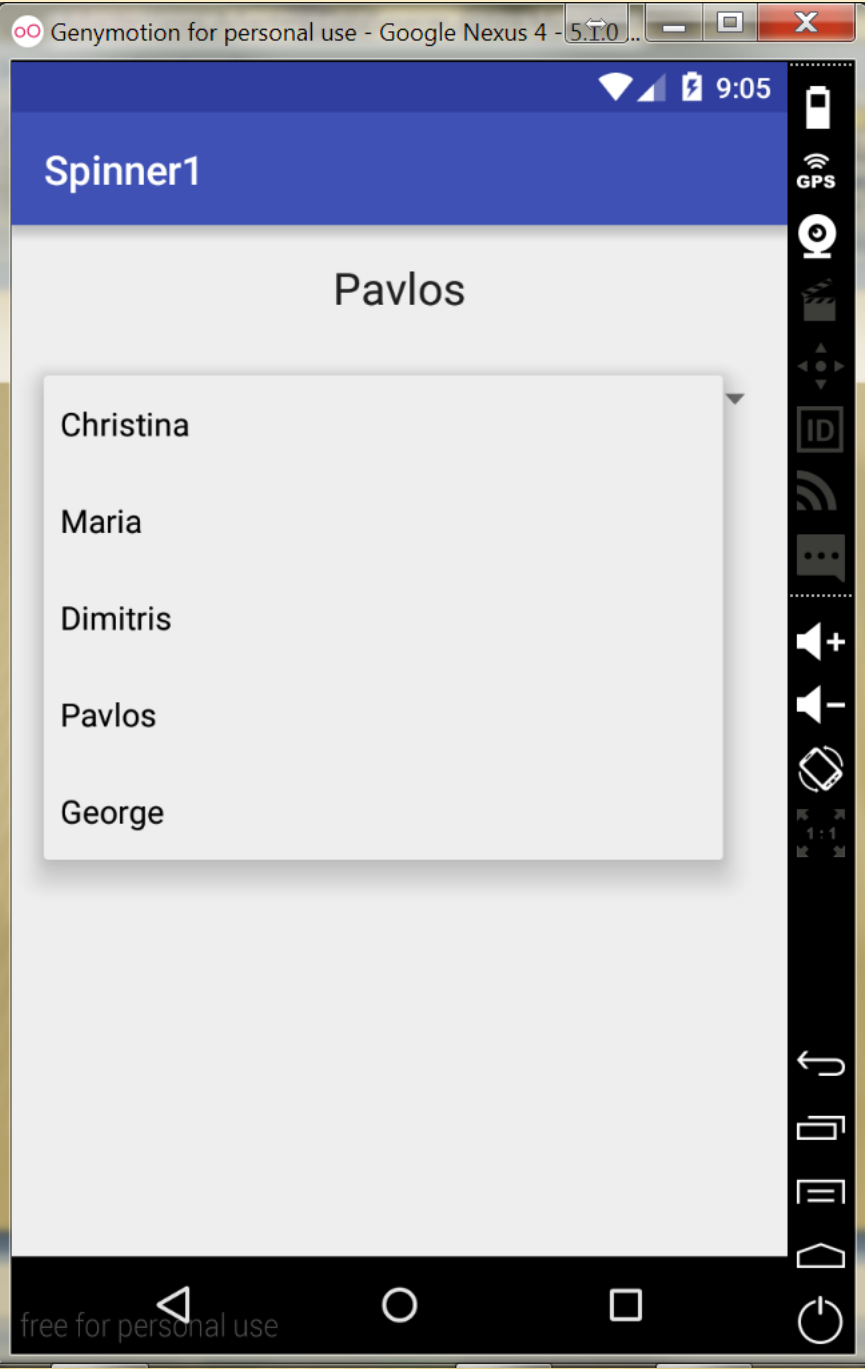
Work

Other

Custom

SPINNER XML ATTRIBUTES

<i>Attribute Name</i>	<i>Related Method</i>	<i>Description</i>
<code>android:dropDownHorizontalOffset</code>	<code>setDropDownHorizontalOffset(int)</code>	Amount of pixels by which the drop down should be offset horizontally.
<code>android:dropDownSelector</code>		List selector to use for spinnerMode="dropdown" display.
<code>android:dropDownVerticalOffset</code>	<code>setDropDownVerticalOffset(int)</code>	Amount of pixels by which the drop down should be offset vertically.
<code>android:dropDownWidth</code>	<code>setDropDownWidth(int)</code>	Width of the dropdown in spinnerMode="dropdown".
<code>android:gravity</code>	<code>setGravity(int)</code>	Gravity setting for positioning the currently selected item.
<code>android:popupBackground</code>	<code>setPopupBackgroundResource(int)</code>	Background drawable to use for the dropdown in spinnerMode="dropdown".
<code>android:prompt</code>		The prompt to display when the spinner's dialog is shown.
<code>android:spinnerMode</code>		Display mode for spinner options.



Spinner1

Pavlos

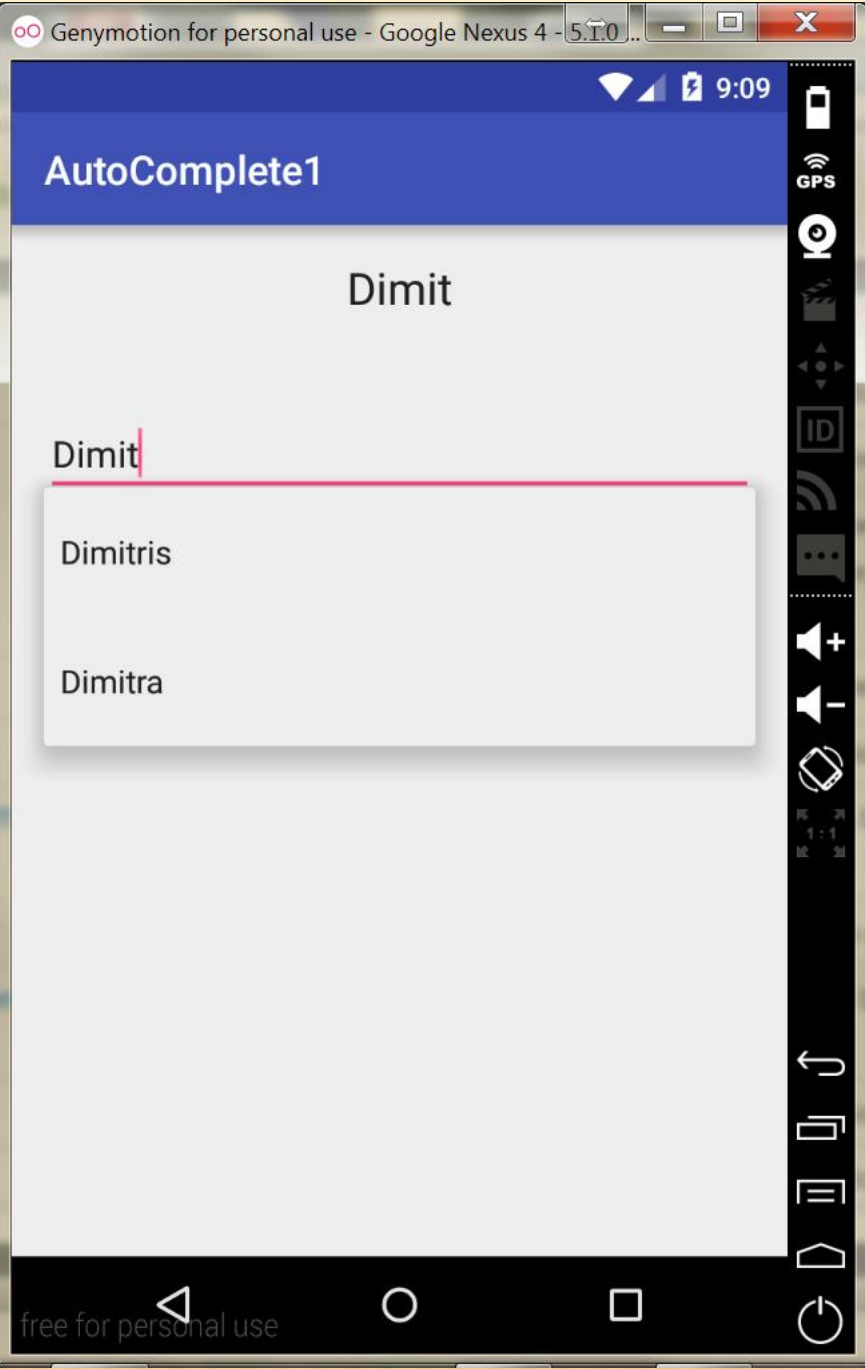
- Christina
- Maria
- Dimitris
- Pavlos
- George

AUTOCOMPLETETEXTVIEW

- ✘ An editable text view that shows completion suggestions automatically while the user is typing.
- ✘ The list of suggestions is displayed in a drop down menu from which the user can choose an item to replace the content of the edit box with.
- ✘ The list of suggestions is obtained from a data adapter and appears only after a given number of characters defined by the threshold.

AUTOCOMPLETETEXTVIEW XML ATTRIBUTES

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<code>android:popupBackground</code>	<code>setDropDownBackgroundResource(int)</code>	The background to use for the popup window.



AutoComplete1

Dimit

Dimit

Dimitris

Dimitra