

Expanded List

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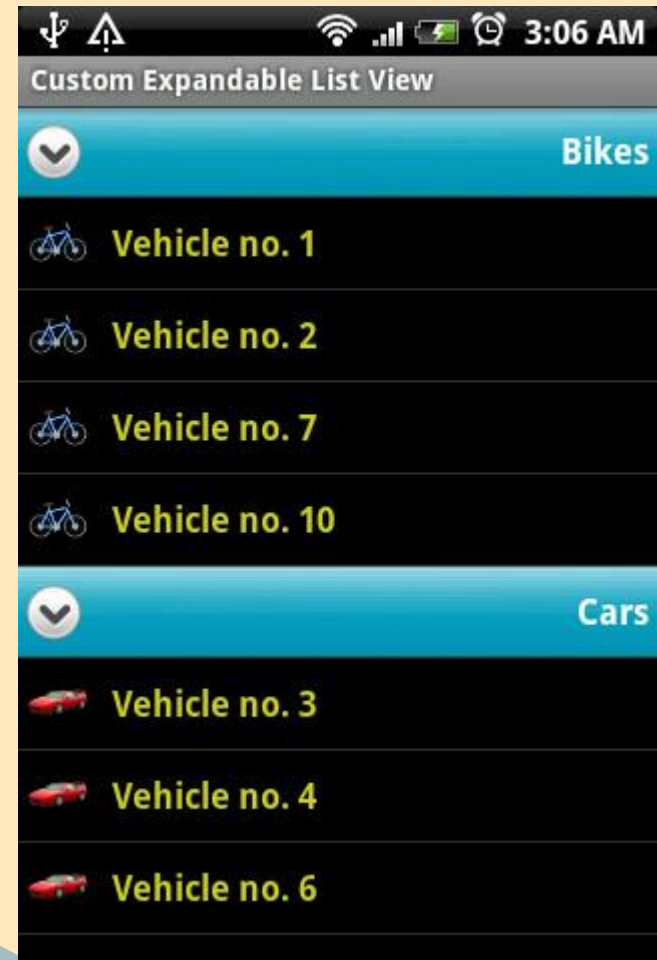
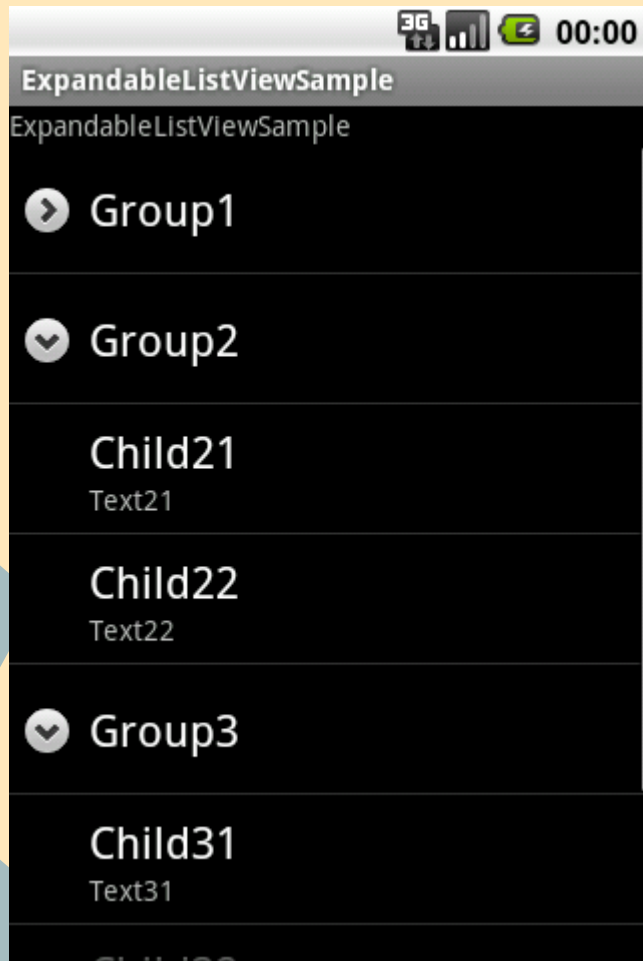


What is an Expandable List ?

Expandable list is the extended version of normal listview which has support to show data in group. Generally when we want to show data in group then we use tree view, but in mobile devices every pixel is important while displaying any data. So when we need to show grouped data then it might be good idea to use Expandable List.

Programmatically Expandable list is derived from Normal List

Examples



New Attributes for Expandable List.

android:childDivider
android:childIndicator
android:childIndicatorEnd
android:childIndicatorLeft
android:childIndicatorRight
android:childIndicatorStart
android:groupindicator
android:indicatorEnd
android:indicatorLeft
android:indicatorRight
android:indicatorStart

layouts of Expandable listview

To use expandable listview we have to create one xml file for the group header layout, one for the item layout, then we have to declare the expandable listview in the main xml file.

- group_header_layout.xml
- item_om_layout.xml
- Declare the ExpandableListView in the layout xml file

Group header layout

Just a simple layout with a text view in it.

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:orientation="vertical"
    android:padding="8dp"
    android:background="#000000">

    <TextView
        android:id="@+id/lblListHeader"
        android:layout_width="fill_parent"
        android:layout_height="wrap_content"
        android:paddingLeft="?android:attr/expandableListPreferredItemPaddingLeft"
        android:textSize="17dp"
        android:textColor="#f9f93d" />

</LinearLayout>
```

Item row xml

Just an simple layout with single textview in it.

```
<?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="55dip"
    android:orientation="vertical" >

    <TextView
        android:id="@+id/lblListItem"
        android:layout_width="fill_parent"
        android:layout_height="wrap_content"
        android:textSize="17dip"
        android:paddingTop="5dp"
        android:paddingBottom="5dp"
        android:paddingLeft="?android:attr/expandableListPreferredChildPaddingLeft" />

</LinearLayout>
```

Declare the Expandable ListView

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="vertical"
    android:background="#f4f4f4" >

    <ExpandableListView
        android:id="@+id/eplComputerList"
        android:layout_height="match_parent"
        android:layout_width="match_parent"/>

</LinearLayout>
```


Code behind.

How to implement the code to support the expandable listview ?



Have any idea ?