com.example.asus.myapplication

Class ExpandableListAdapter

- java.lang.Object
-     - android.widget.BaseExpandableListAdapter
        - com.example.asus.myapplication.ExpandableListAdapter

- All Implemented Interfaces:
      android.widget.ExpandableListAdapter, android.widget.HeterogeneousExpandableList

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```
public class ExpandableListAdapter
extends android.widget.BaseExpandableListAdapter
```

- ## Constructor Summary

Constructors

Constructor and Description

ExpandableListAdapter(android.content.Context context, java.util.List<java.lang.String> listDataHeader, java.util.HashMap<java.lang.String,java.util.List<java.lang.String>> listChildData)

- ## Method Summary

Methods

Modifier and Type	Method and Description
java.lang.Object	**getChild**(int groupPosition, int childPosititon) Gets the data associated with the given child within the given group.
long	**getChildId**(int groupPosition, int childPosition) Gets the ID for the given child within the given group.
int	**getChildrenCount**(int groupPosition) Gets the number of children in a specified group.
android.view.View	**getChildView**(int groupPosition, int childPosition, boolean isLastChild, android.view.View convertView, android.view.ViewGroup parent) Gets a View that displays the data for the given child within the given group.
java.lang.Object	**getGroup**(int groupPosition) Gets the data associated with the given group.
int	**getGroupCount**() Gets the number of groups.
long	**getGroupId**(int groupPosition) Gets the ID for the group at the given position.

android.view.View	**getGroupView**(int groupPosition, boolean isExpanded, android.view.View convertView, android.view.ViewGroup parent) Gets a View that displays the given group.
boolean	**hasStableIds**() Indicates whether the child and group IDs are stable across changes to the underlying data.
boolean	**isChildSelectable**(int groupPosition, int childPosition) Whether the child at the specified position is selectable.

Methods inherited from class android.widget.BaseExpandableListAdapter

```
areAllItemsEnabled, getChildType, getChildTypeCount, getCombinedChildId, getCombinedGroupId,
getGroupType, getGroupTypeCount, isEmpty, notifyDataSetChanged, notifyDataSetInvalidated,
onGroupCollapsed, onGroupExpanded, registerDataSetObserver, unregisterDataSetObserver
```

Methods inherited from class java.lang.Object

```
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait
```

Constructor Detail

ExpandableListAdapter

```
public ExpandableListAdapter(android.content.Context context,
                             java.util.List<java.lang.String> listDataHeader,
                             java.util.HashMap<java.lang.String,java.util.List<java.lang.String>> listChildData)
```

Method Detail

getChild

```
public java.lang.Object getChild(int groupPosition,
                                 int childPosititon)
```

Description copied from interface: `android.widget.ExpandableListAdapter`
Gets the data associated with the given child within the given group.

Parameters:

`groupPosition` - the position of the group that the child resides in

`childPosititon` - the position of the child with respect to other children in the group

Returns:

the data of the child

- **getChildId**

```
public long getChildId(int groupPosition,
             int childPosition)
```

Description copied from interface: `android.widget.ExpandableListAdapter`

Gets the ID for the given child within the given group. This ID must be unique across all children within the group. The combined ID (see `ExpandableListAdapter.getCombinedChildId(long, long)`) must be unique across ALL items (groups and all children).

Parameters:

`groupPosition` - the position of the group that contains the child

`childPosition` - the position of the child within the group for which the ID is wanted

Returns:

the ID associated with the child

- **getChildView**

```
public android.view.View getChildView(int groupPosition,
                        int childPosition,
                        boolean isLastChild,
                        android.view.View convertView,
                        android.view.ViewGroup parent)
```

Description copied from interface: `android.widget.ExpandableListAdapter`

Gets a View that displays the data for the given child within the given group.

Parameters:

`groupPosition` - the position of the group that contains the child

`childPosition` - the position of the child (for which the View is returned) within the group

`isLastChild` - Whether the child is the last child within the group

`convertView` - the old view to reuse, if possible. You should check that this view is non-null and of an appropriate type before using. If it is not possible to convert this view to display the correct data, this method can create a new view. It is not guaranteed that the convertView will have been previously created by `ExpandableListAdapter.getChildView(int, int, boolean, View, ViewGroup)`.

`parent` - the parent that this view will eventually be attached to

Returns:

the View corresponding to the child at the specified position

- **getChildrenCount**

```
public int getChildrenCount(int groupPosition)
```

Description copied from interface: `android.widget.ExpandableListAdapter`
Gets the number of children in a specified group.

Parameters:

`groupPosition` - the position of the group for which the children count should be returned

Returns:

the children count in the specified group

- **getGroup**

```
public java.lang.Object getGroup(int groupPosition)
```

Description copied from interface: `android.widget.ExpandableListAdapter`
Gets the data associated with the given group.

Parameters:

`groupPosition` - the position of the group

Returns:

the data child for the specified group

- **getGroupCount**

```
public int getGroupCount()
```

Description copied from interface: `android.widget.ExpandableListAdapter`
Gets the number of groups.

Returns:
    the number of groups

- **getGroupId**

```
public long getGroupId(int groupPosition)
```

Description copied from interface: `android.widget.ExpandableListAdapter`
Gets the ID for the group at the given position. This group ID must be unique across groups. The combined ID (see
`ExpandableListAdapter.getCombinedGroupId(long)`) must be unique across ALL items (groups and all children).

Parameters:
    `groupPosition` - the position of the group for which the ID is wanted
Returns:
    the ID associated with the group

- **getGroupView**

```
public android.view.View getGroupView(int groupPosition,
                                      boolean isExpanded,
                                      android.view.View convertView,
                                      android.view.ViewGroup parent)
```

Description copied from interface: `android.widget.ExpandableListAdapter`
Gets a View that displays the given group. This View is only for the group--the Views for the group's children will be
fetched using `ExpandableListAdapter.getChildView(int, int, boolean, View, ViewGroup)`.

Parameters:
    `groupPosition` - the position of the group for which the View is returned
    `isExpanded` - whether the group is expanded or collapsed
    `convertView` - the old view to reuse, if possible. You should check that this view is non-null and of an appropriate
    type before using. If it is not possible to convert this view to display the correct data, this method can create a new
    view. It is not guaranteed that the convertView will have been previously created by
    `ExpandableListAdapter.getGroupView(int, boolean, View, ViewGroup)`.

Returns:

the View corresponding to the group at the specified position

- **hasStableIds**

```
public boolean hasStableIds()
```

Description copied from interface: `android.widget.ExpandableListAdapter`
Indicates whether the child and group IDs are stable across changes to the underlying data.

Returns:

whether or not the same ID always refers to the same object
See Also:

```
Adapter.hasStableIds()
```

- **isChildSelectable**

```
public boolean isChildSelectable(int groupPosition,
                     int childPosition)
```

Description copied from interface: `android.widget.ExpandableListAdapter`
Whether the child at the specified position is selectable.

Parameters:

`groupPosition` - the position of the group that contains the child
`childPosition` - the position of the child within the group
Returns:

whether the child is selectable.