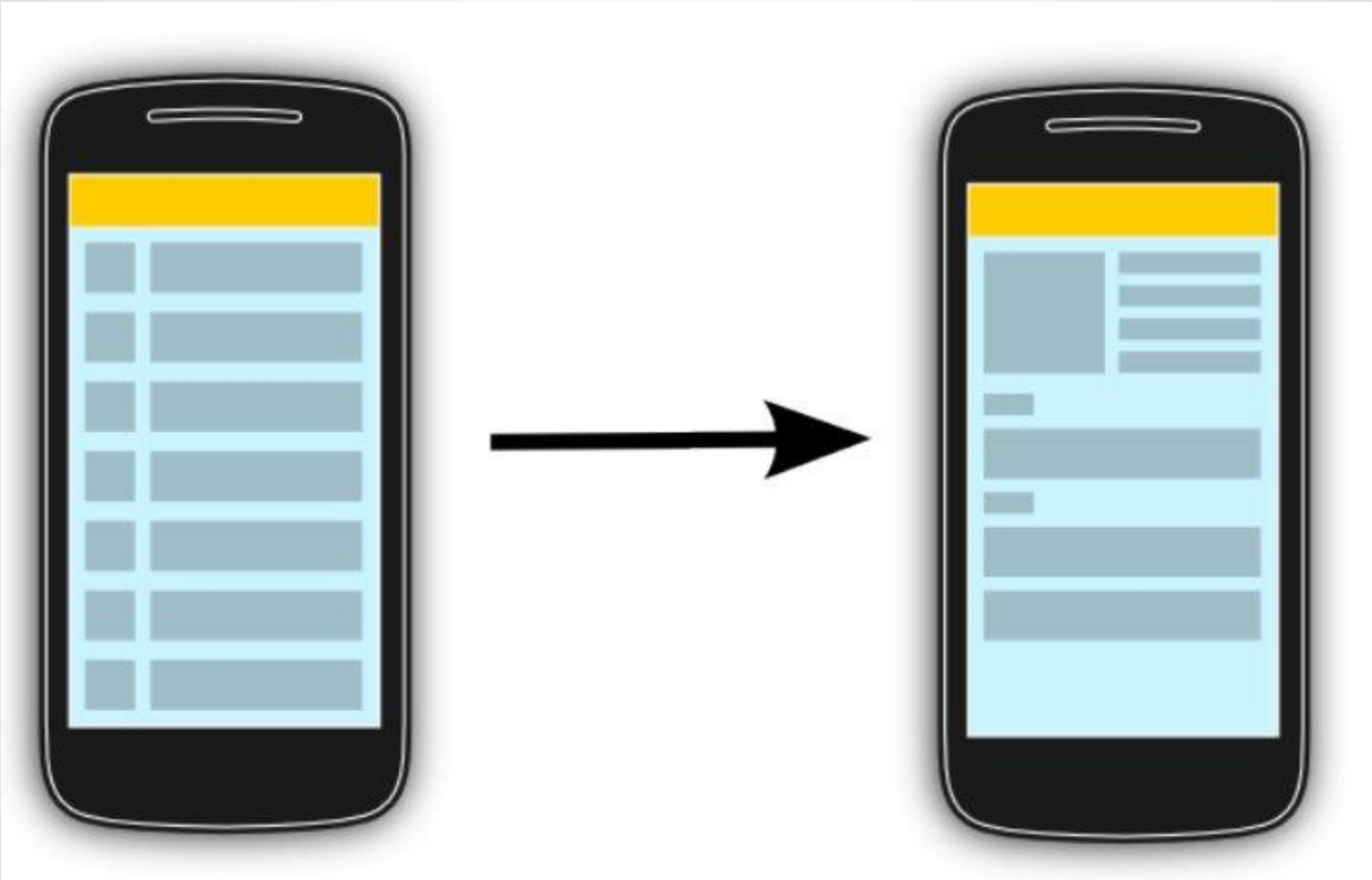


Android Development ListView & Adapter

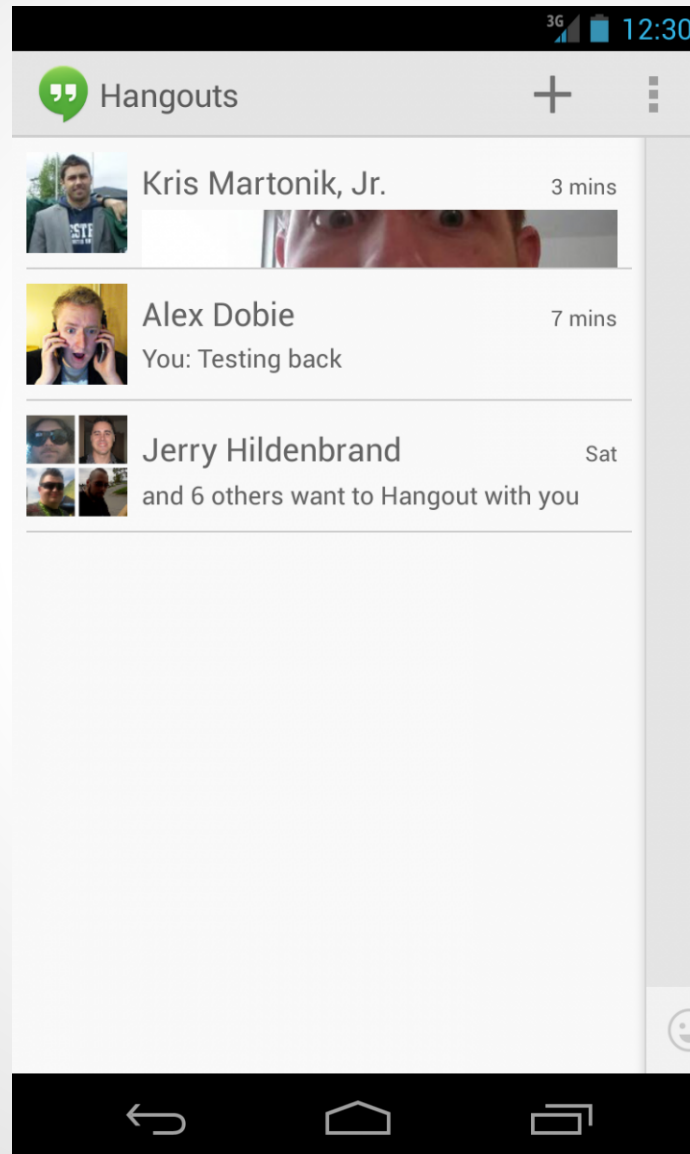
by Lope Emanó

What is a ListView?

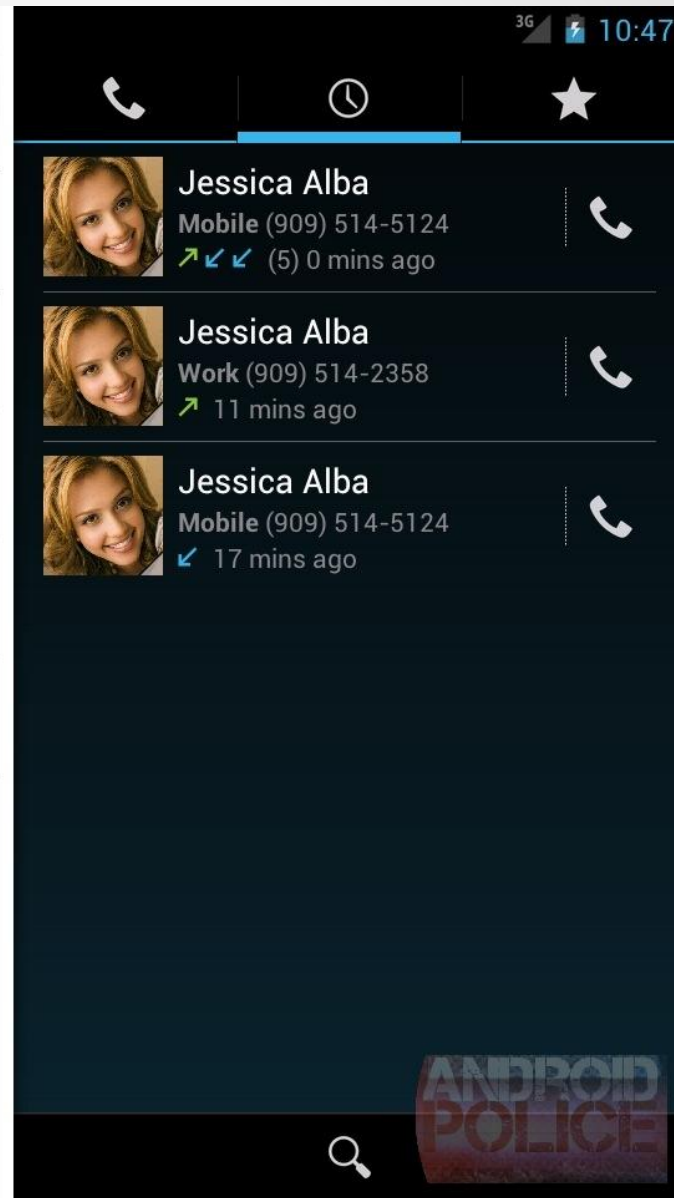
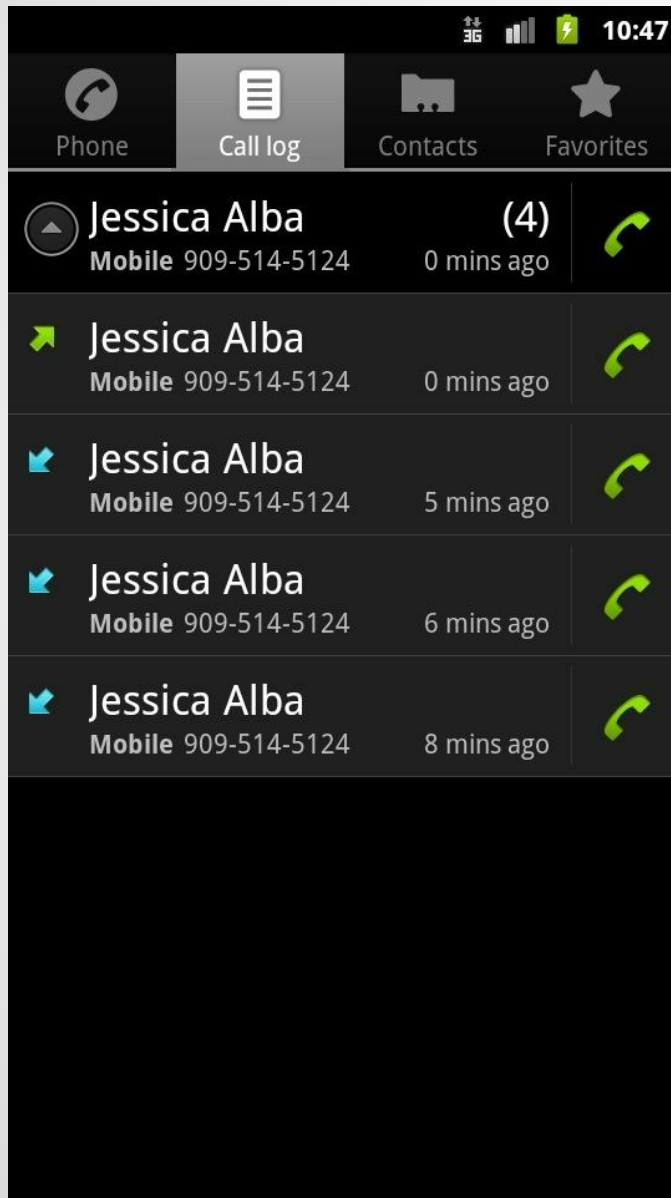
It displays a list of scrollable items



ListView in Google Hangouts



ListView Evolution

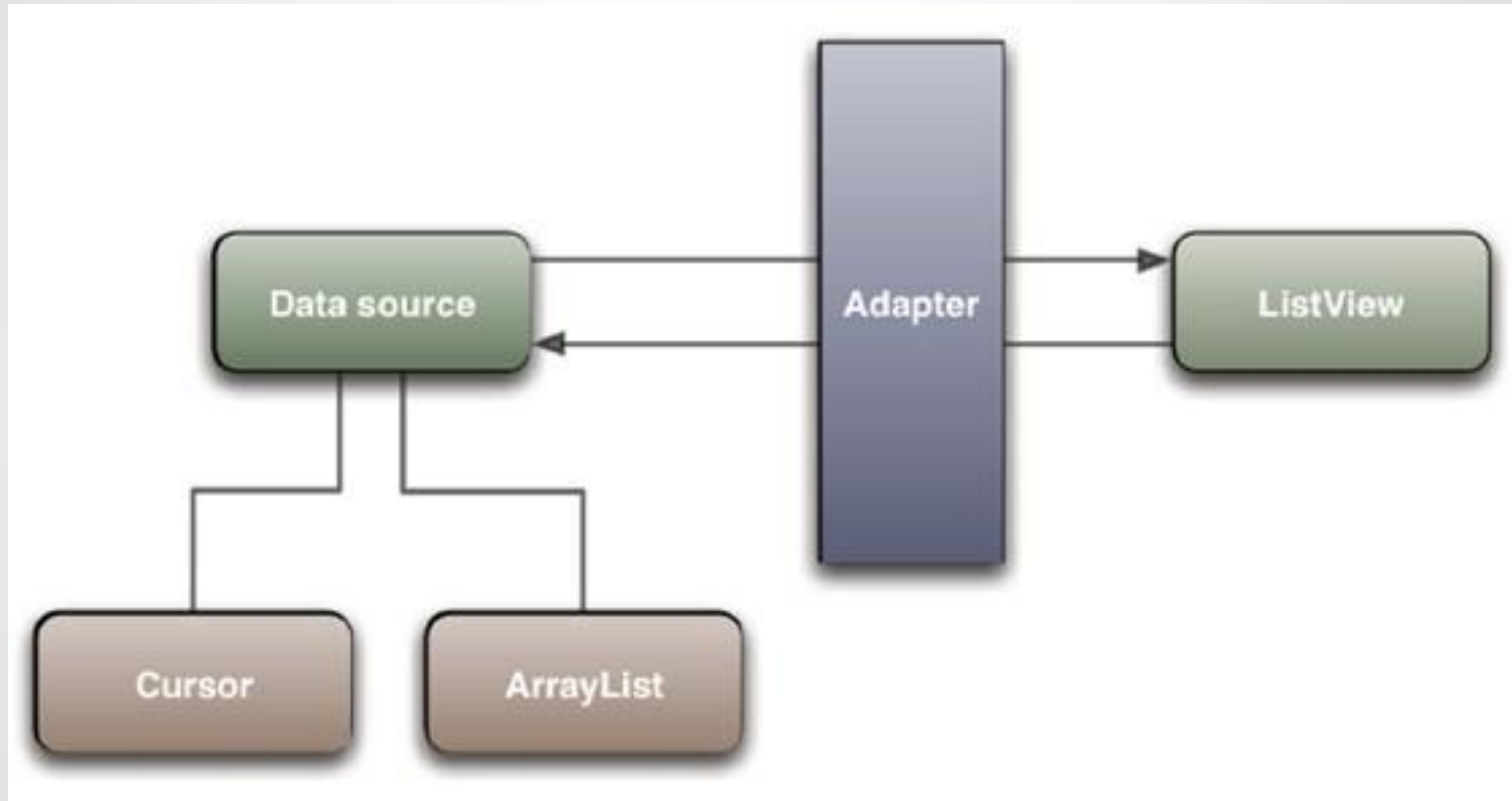


What is an Adapter?



**An adapter acts as a bridge for our
ListView and our underlying data**

“Man in the Middle”



Let's write our ListView

ListView Overview

- 1. Declare our ListView in our layout.xml**
- 2. Create our Adapter class**
- 3. Fetch the items for our list**
- 4. Specify the layout that we want for our list items**
- 5. Plug our Adapter with our declared ListView**

List View

1. Declare our listview in our layouts.xml

```
<ListView  
    android:id="@+id/lvw_sample"  
    android:layout_width="match_parent"  
    android:layout_height="match_parent"/>
```

List View

2. Create our Adapter class

```
public class NameAdapter extends ArrayAdapter<String> {  
    public NameAdapter(Context context, int resource, List<String> names) {  
        super(context, resource, names);  
    }  
}
```

List View

3. Fetch the items for our list

```
List<String> names = new ArrayList<String>();  
names.add("Tadpolano");  
names.add("Tadpolana");  
names.add("Inday");
```

List View

4. Specify the layout that we want for our list items

```
NameAdapter adapter = new NameAdapter(this,  
    android.R.layout.simple_list_item_1, names);
```


List View

5. Plug our Adapter with our declared Listview

```
ListView lvwSample = (ListView) findViewById(R.id.lvw_sample);  
lvwSample.setAdapter(adapter);
```

Done!

Source Code

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References:

- <http://developer.android.com/reference/android/widget/Adapter.html>
- <http://developer.android.com/guide/topics/ui/layout/listview.html>
- <http://www.vogella.com/tutorials/AndroidListView/article.html>