IT332: Mobile Application Development

Lecture # 12 : Lists and Recycler View

Muhammad Imran

Outline
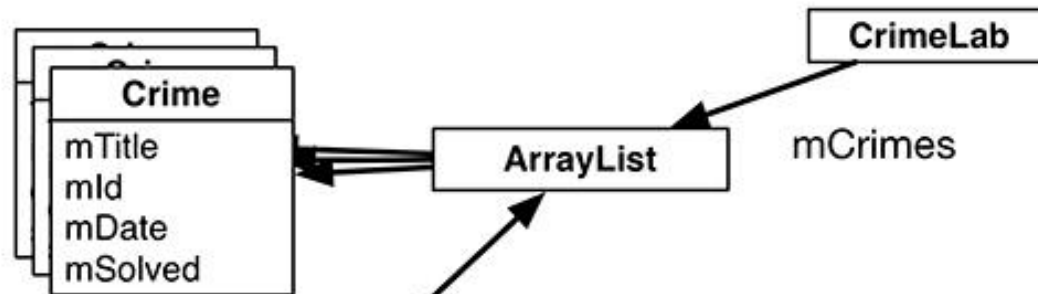
- Lists and Recycler View

A list of crimes
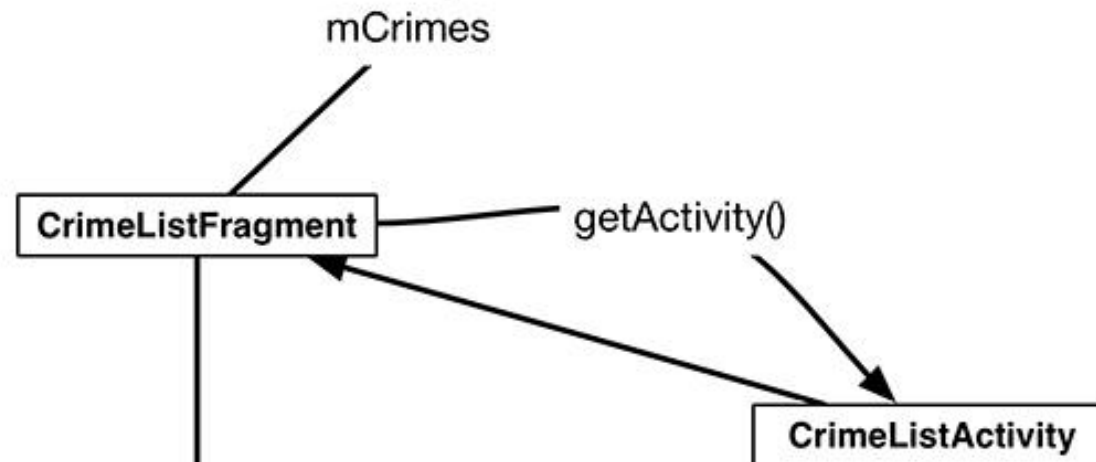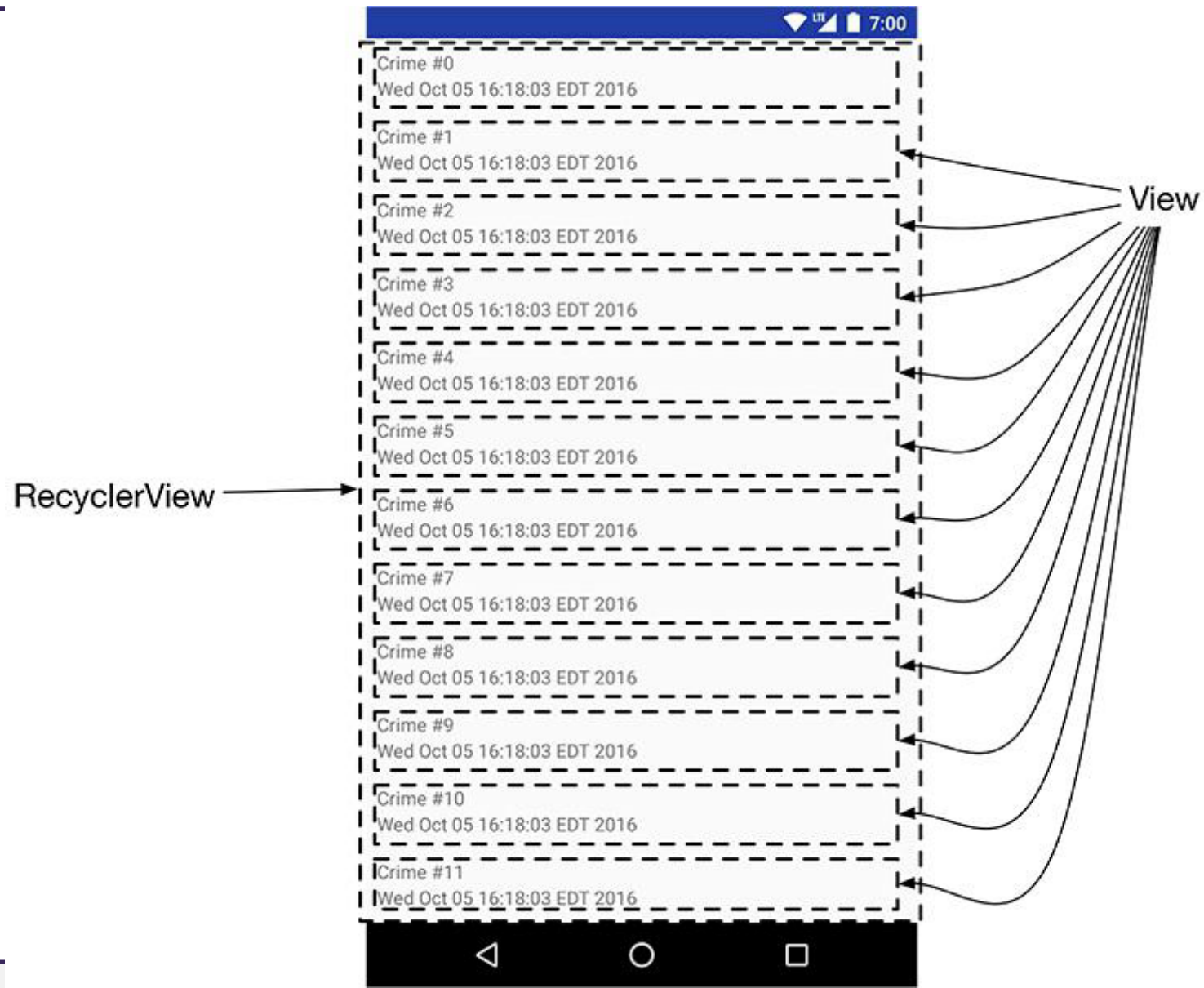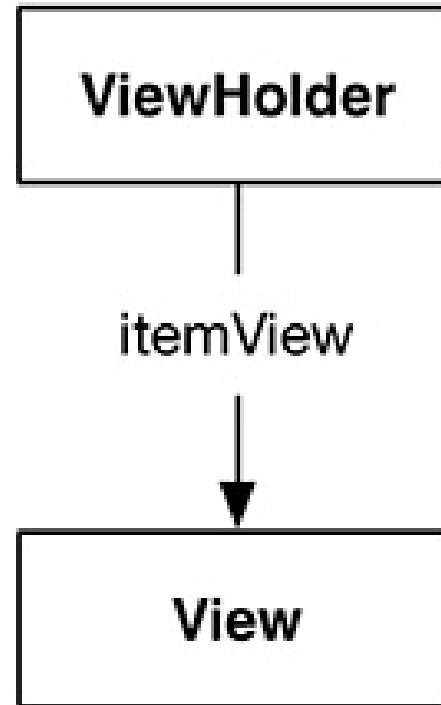
CriminalIntent with a list of crimes
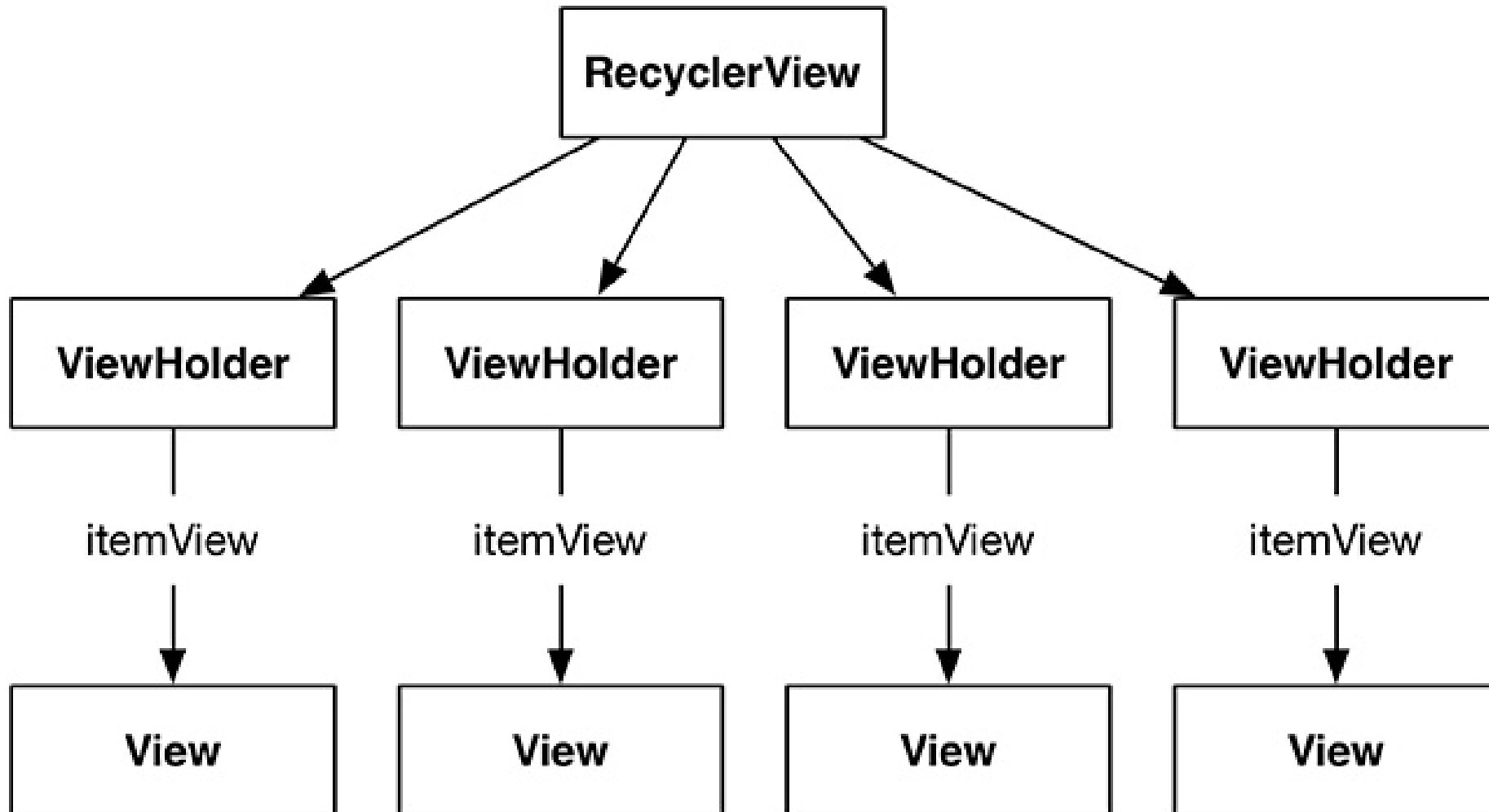
Blank CrimeListActivity screen

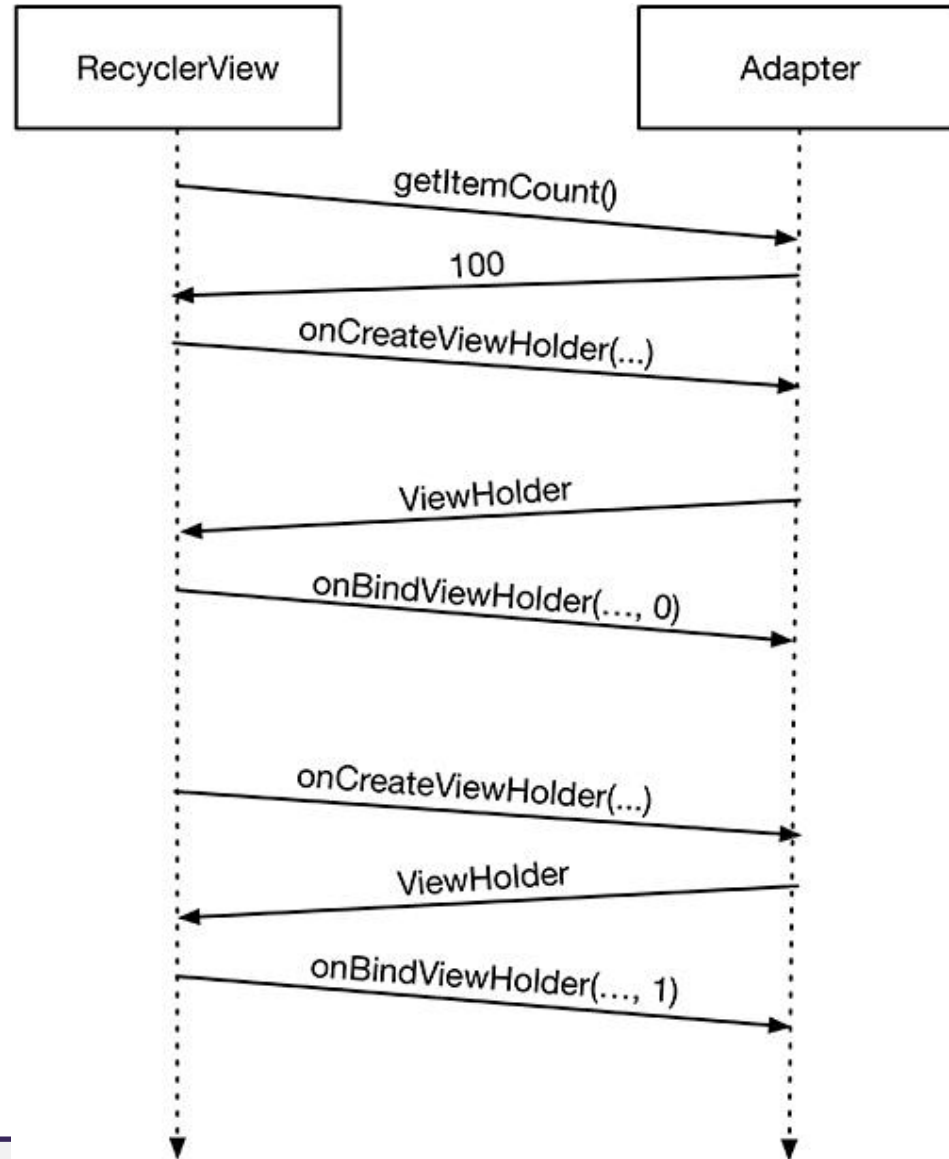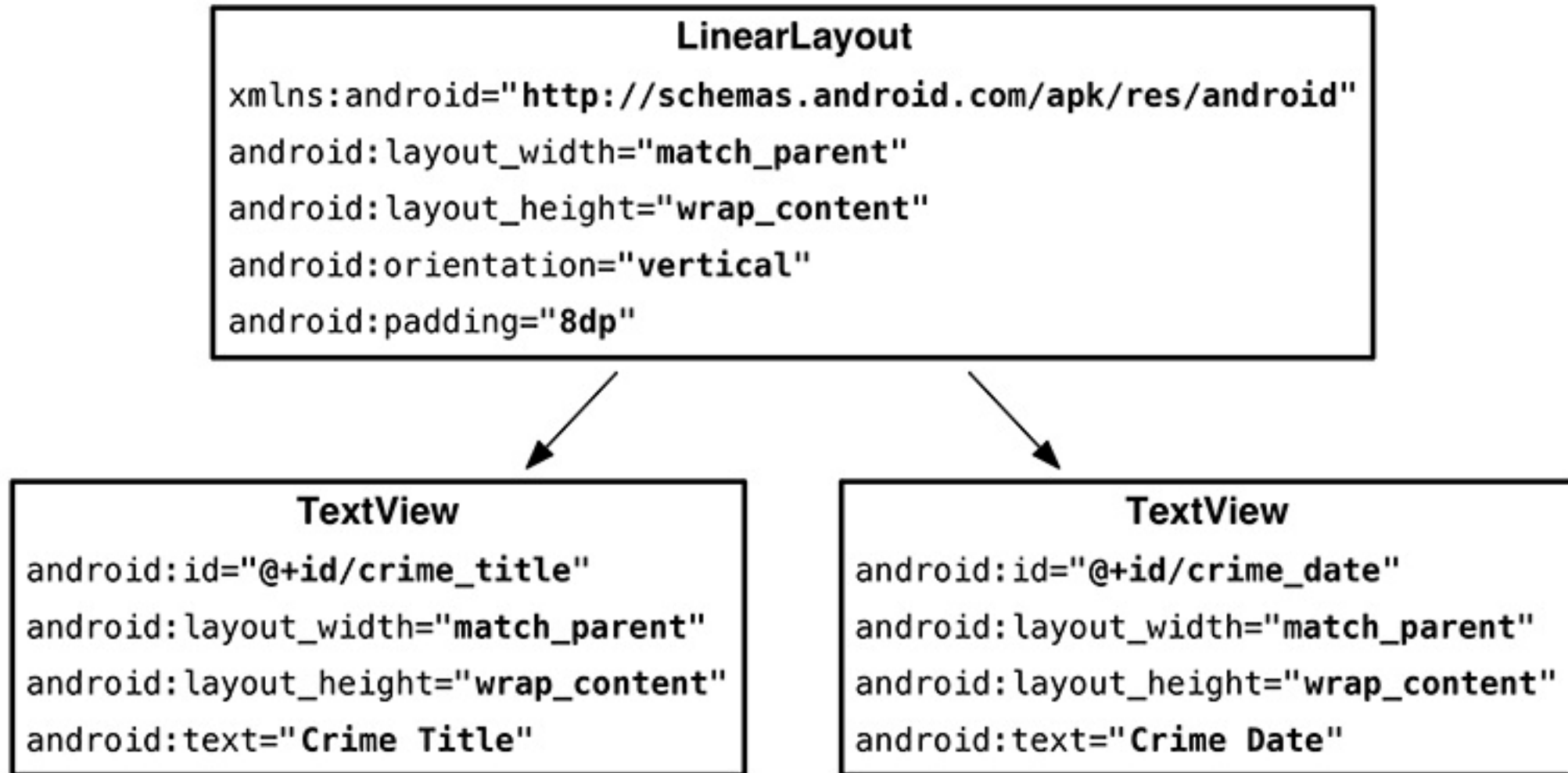# A RecyclerView with child Views

The lowly ViewHolder

A RecyclerView with its ViewHolders

A scintillating RecyclerView-Adapter conversation

Updating the list item layout file (list_item_crime.xml)

LinearLayout

```
xmlns:android="http://schemas.android.com/apk/res/android"

android:layout_width="match_parent"

android:layout_height="wrap_content"

android:orientation="vertical"

android:padding="8dp"
```

TextView

```
android:id="@+id/crime_title"

android:layout_width="match_parent"

android:layout_height="wrap_content"

android:text="Crime Title"
```

TextView

```
android:id="@+id/crime_date"

android:layout_width="match_parent"

android:layout_height="wrap_content"

android:text="Crime Date"
```

A beautiful list of... beautiful, beautiful beautifuls

All right, all right, all right

Hands-on Video

- You can watch the complete implementation example at the following link
https://youtu.be/WSg25JljPDU

Recommended Readings

- Page # 157 to 180, Chapter 08: Displaying Lists with RecyclerView from Android Programming: The Big Nerd Ranch Guide, 3rd Edition by Bill Phillips, 2017