

# Fragments

- Fragments:
  - A self-contained, and modular section of the user interface
  - can be thought of as part of activity / sub-activity, and with its own life-cycle like functions
  - can not exist independently, must be embedded with an activity or another fragment
  - Reusable and flexible
  - fragments can be implemented via XML / Java Code. Use code to dynamically add/remove fragments

X ————— X

- Data can't be loaded directly onto a container e.g: <listView ... />, so a bridge is needed called adapter

fragment\_names.xml

• list view used when there are fixed number of records

```
<FrameLayout xmlns:android = "..."  
    xmlns:tools = "..."  
    android: layout_width = "match_parent"  
    android: layout_height = "match_parent"  
    tools: context = ".fragment_names" // name of the fragment  
  
<ListView  
    android: layout_width = "match_parent"  
    android: layout_height = "match_parent"  
    android: id = "@+id/list" // default adapter for list  
/>
```

• list view can be customized

• custom Adapter creates another view and binds data to that view

6:15  
= video  
=

## fragment\_names.java

```
public class fragment_names extends Fragment {  
    public fragment_names() {
```