

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

```
<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="@android:id/list" // default adapter for list
    />
```

- list view used when there are fixed number of records

- 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 ()
```