What is a Fragment?
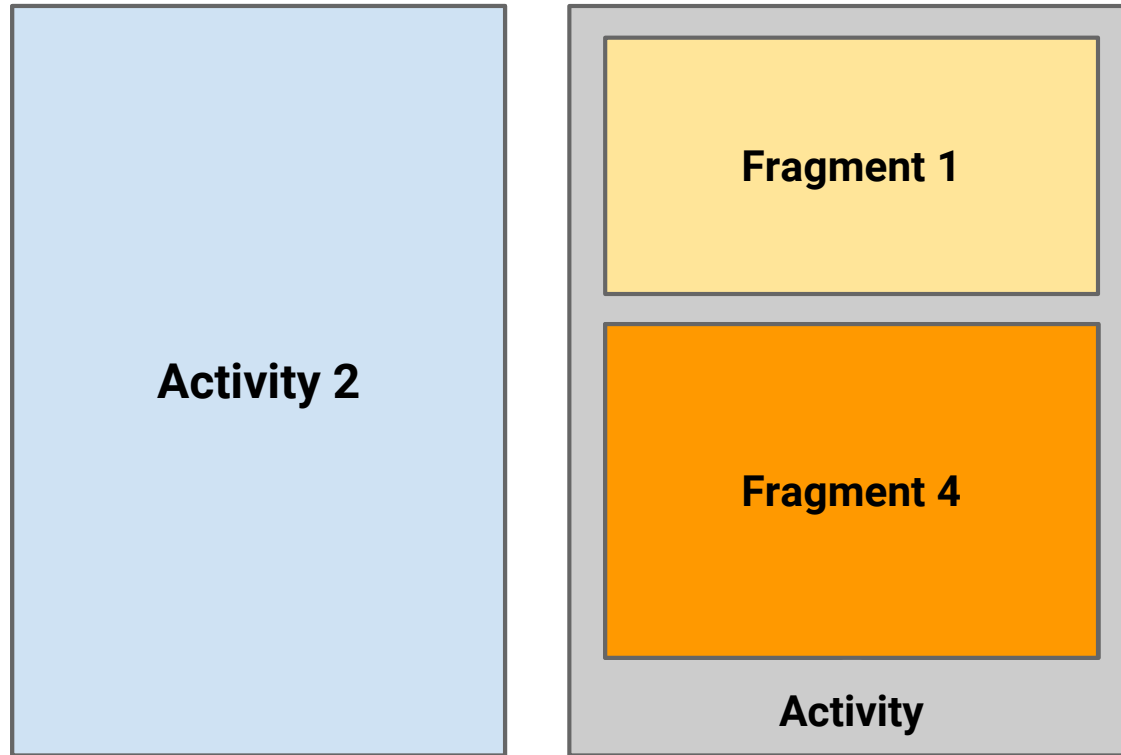
Fragment Fundamentals

Goals

- ❏ What is a fragment?
- ❏ Why do you need it?
- ❏ What can you do with it?

What is a Fragment?

The Fragment Model

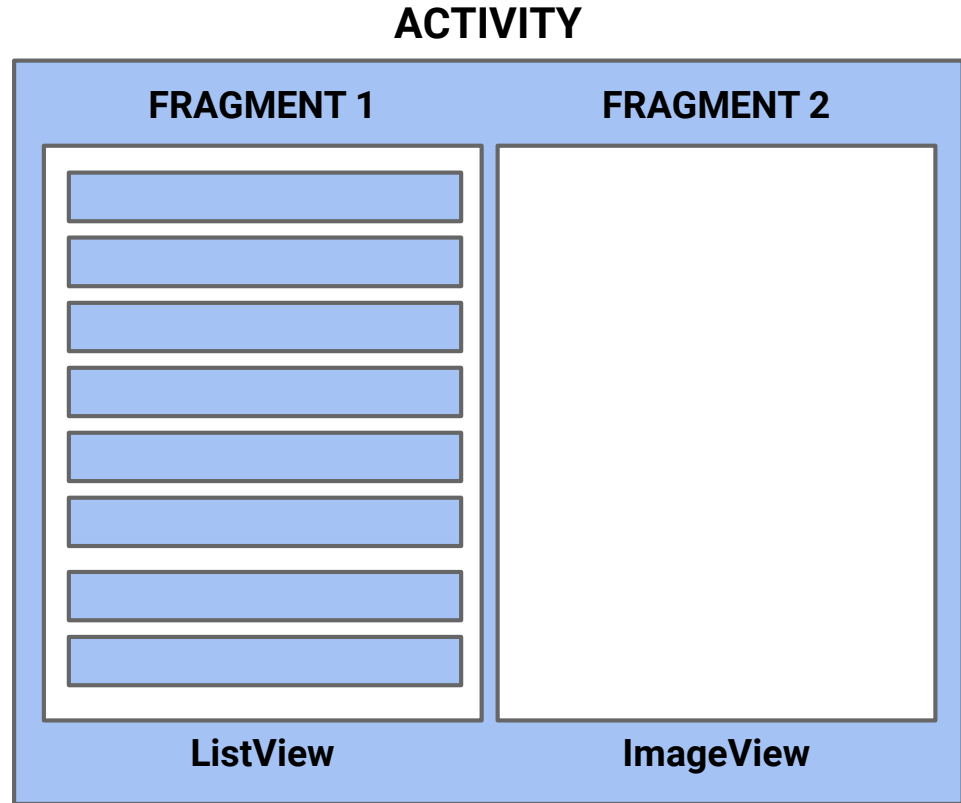# What is a Fragment?

Fragment is a small chunk of UI.

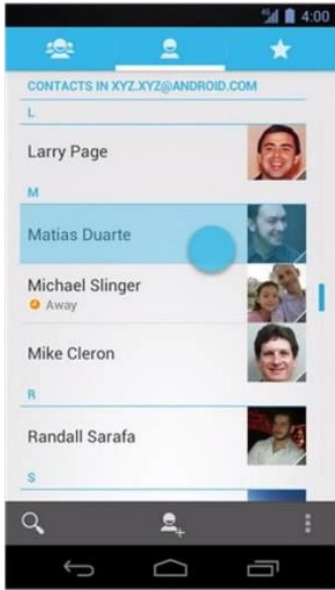It has its own lifecycle.

It can process its own events.

It can be added or removed while the Activity runs.
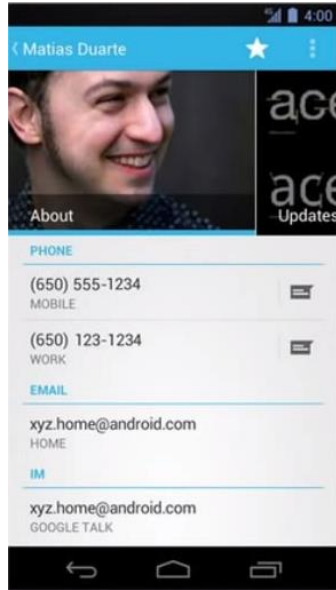
It was introduced in Honeycomb API 11.

You can use Fragments on older devices using a Support Library from 1.6 to 2.3

ACTIVITY

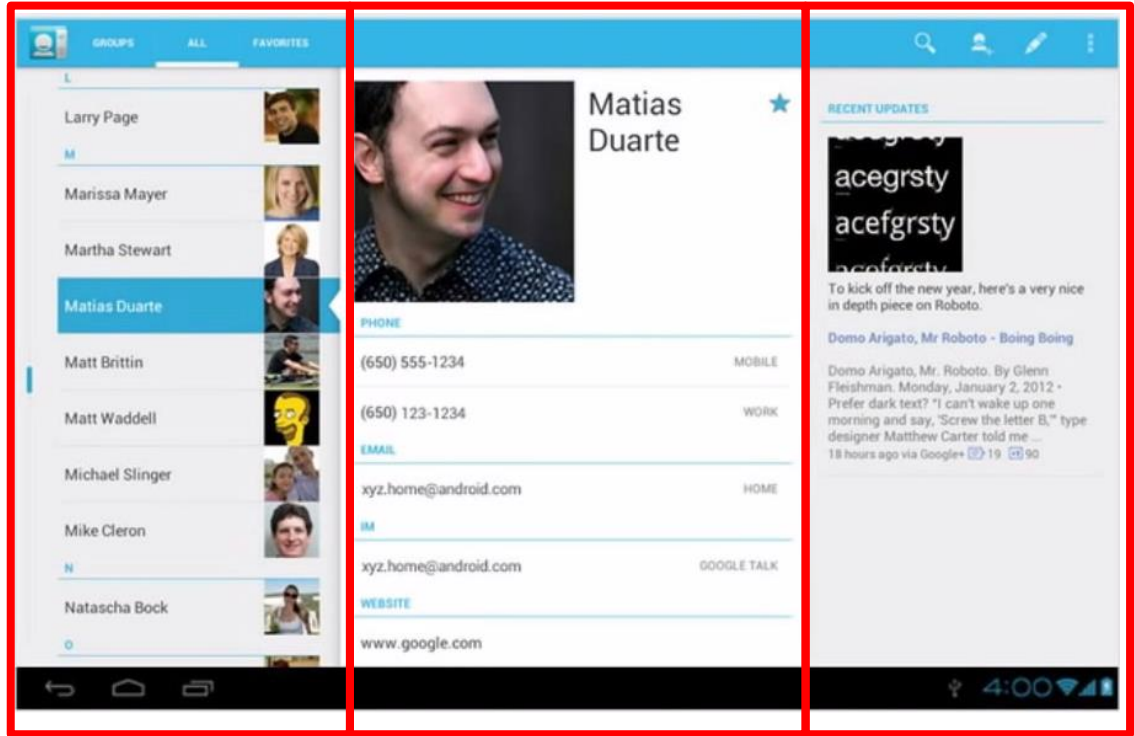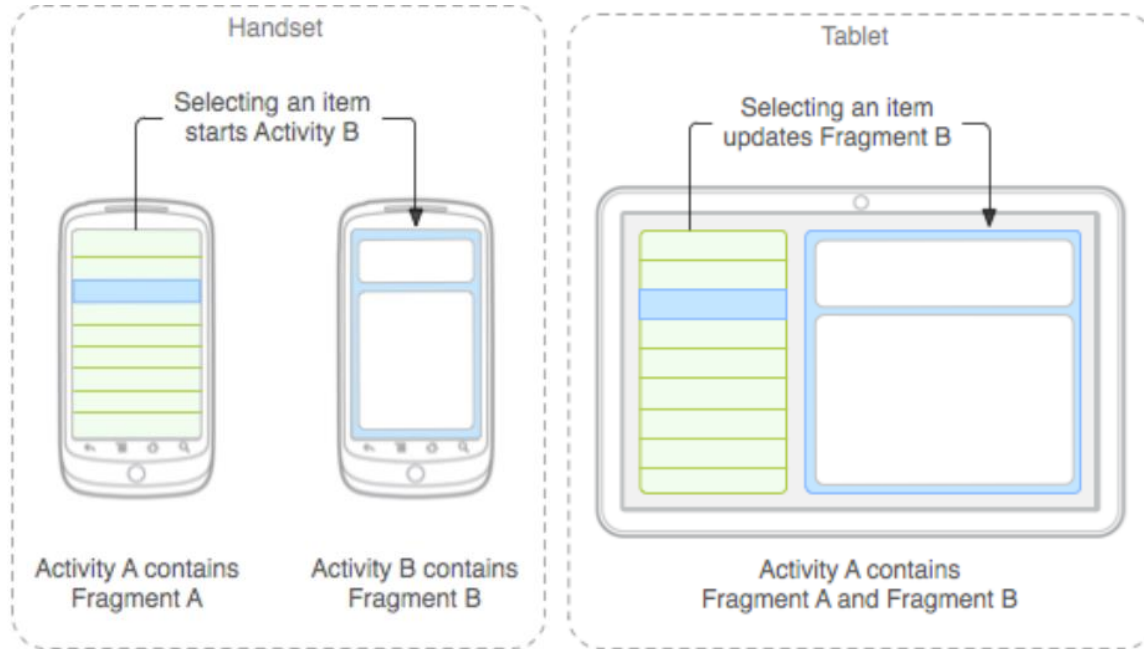| FRAGMENT 1	FRAGMENT 2
ListView	**ImageView**

A small example of Fragments

List View   Detail View

Why do you need Fragments?

Combine several fragments in a single Activity.

Reuse the same Fragment across several Activities.

Make better use of larger screen space on tablets.

Support different layouts on portrait and landscape modes.

Uses of Fragments

Flexible user interfaces across different screen sizes.

Fixed/Scrolling/Swipe tab displays.

Dialog boxes

ActionBar customization with the list and tab modes

End of Slide