

Android Fundamentals: Fragments

INTRODUCTION



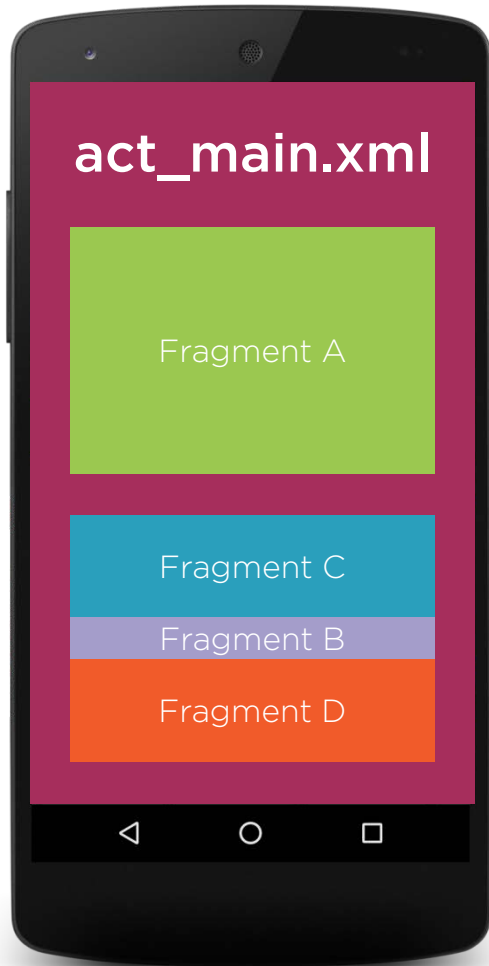
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MainActivity

One Activity – Multiple Fragments

Fragment A - Add

Fragment B - Add

Fragment B - Remove

Fragment C - Add

Fragment D - Add



Overview



Small chunk of UI

Has its own lifecycle

Can process its own events

Can be added / removed while the Parent Activity is running

With the introduction of Tablets

- Introduced in API 11 – Honeycomb

Backward compatibility – API 7

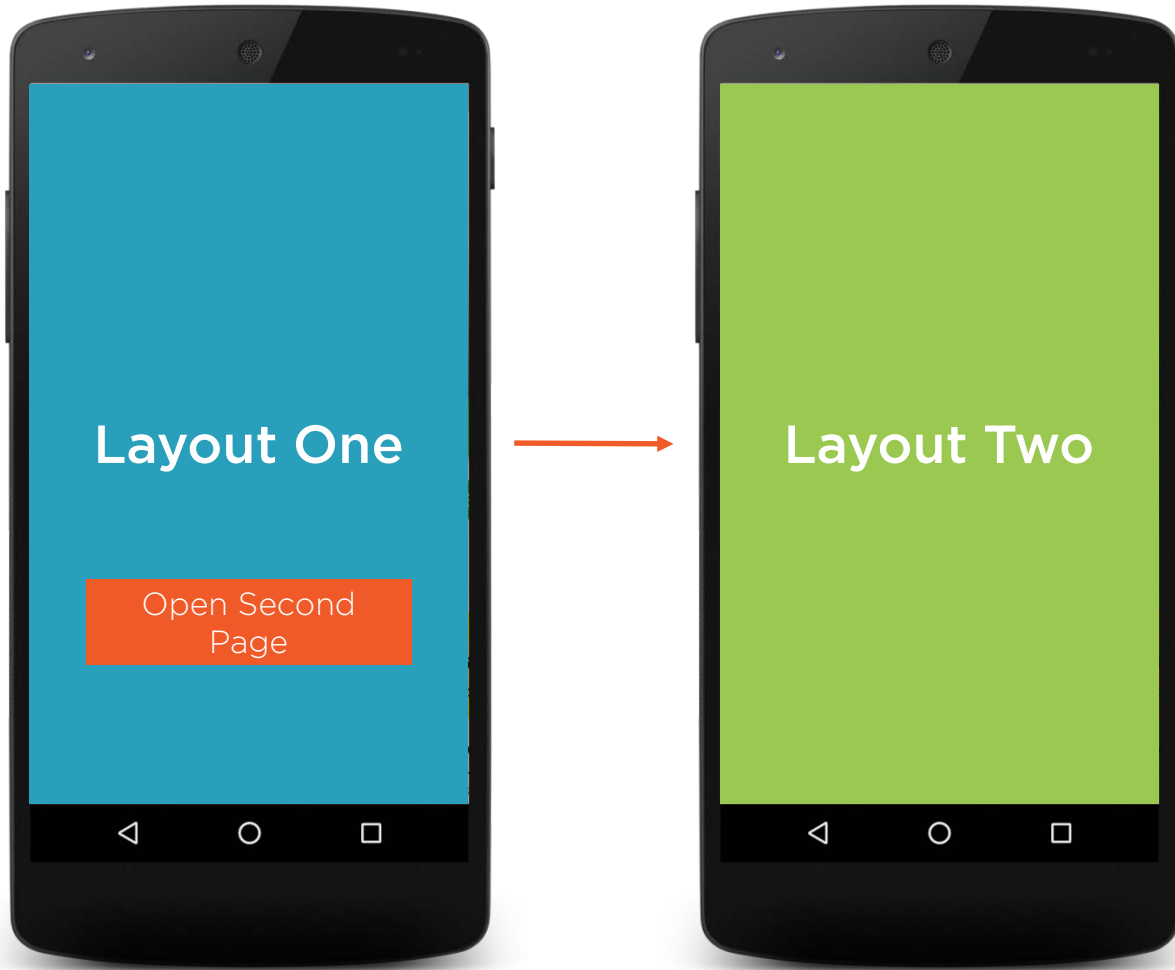
Act as mini Activity



Why Fragment?



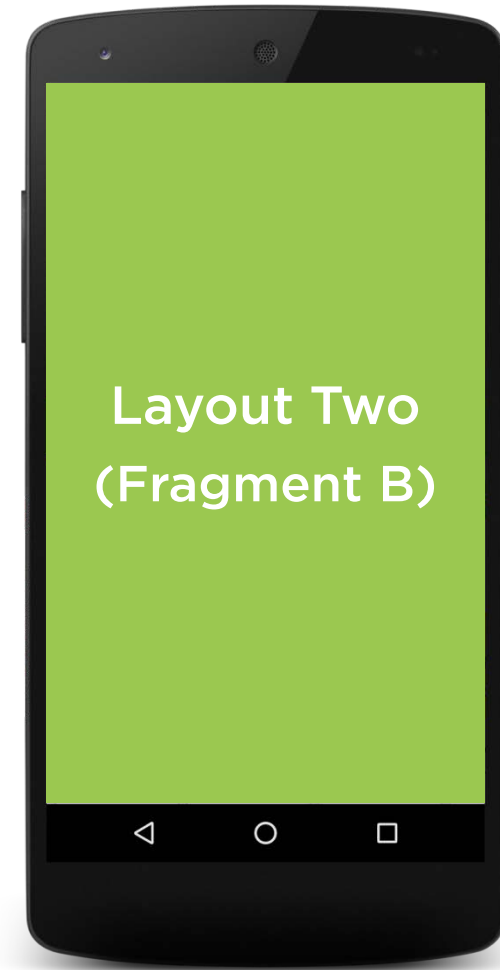
Activity



MainActivity

SecondActivity

Activity + Fragment



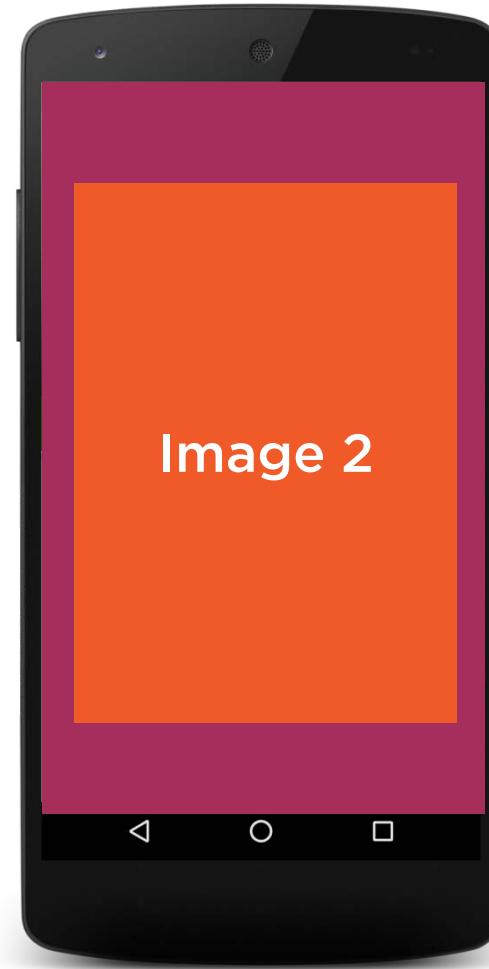
MainActivity



Gallery App - Phone



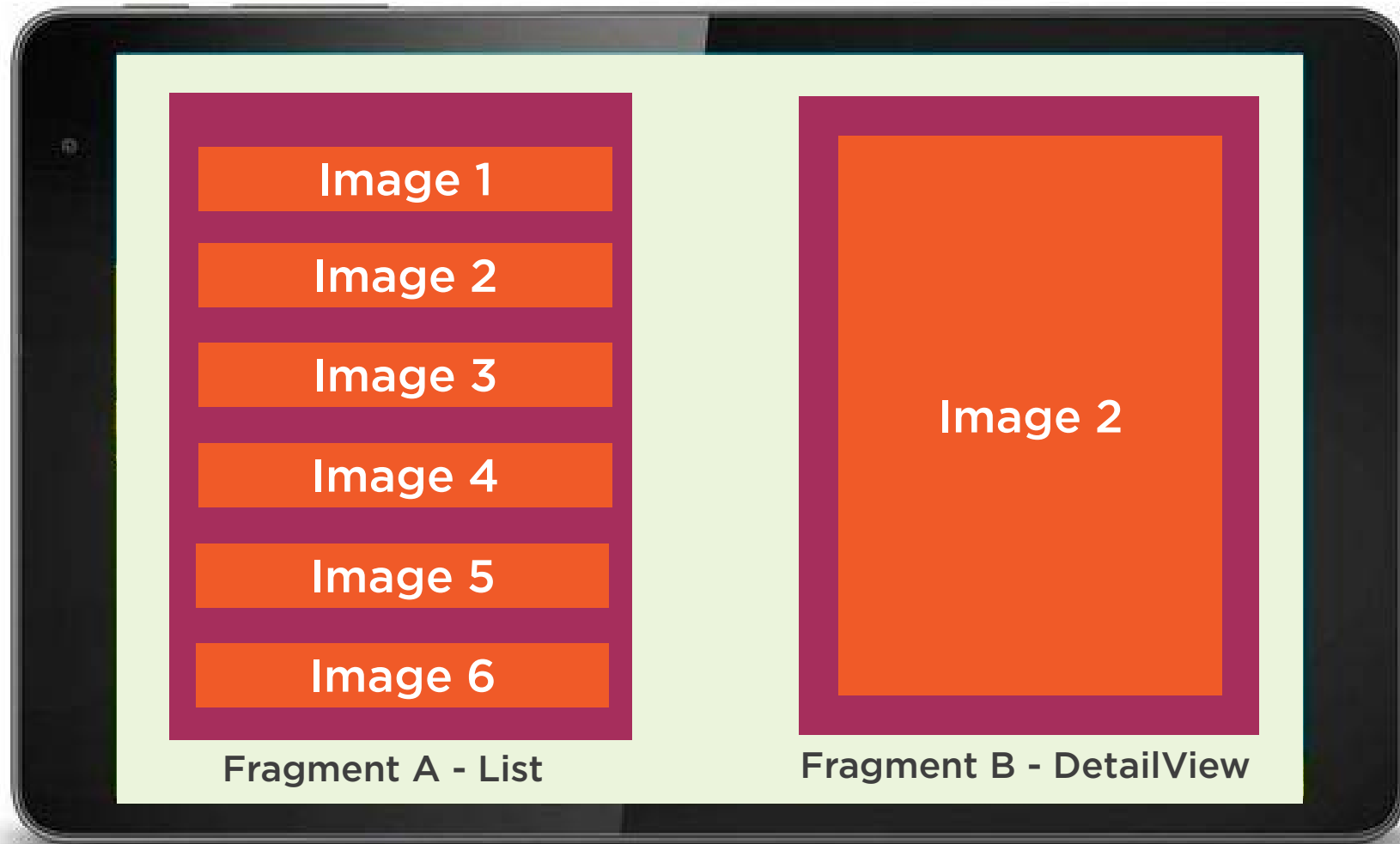
MainActivity
(FragmentA - List)



SecondActivity
(FragmentB - Detail View)



Gallery App - Tablet

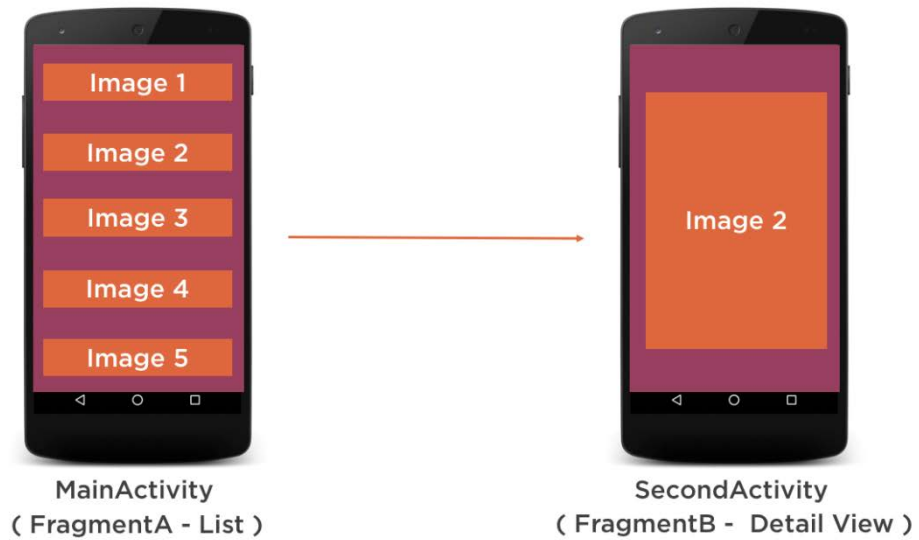


MainActivity

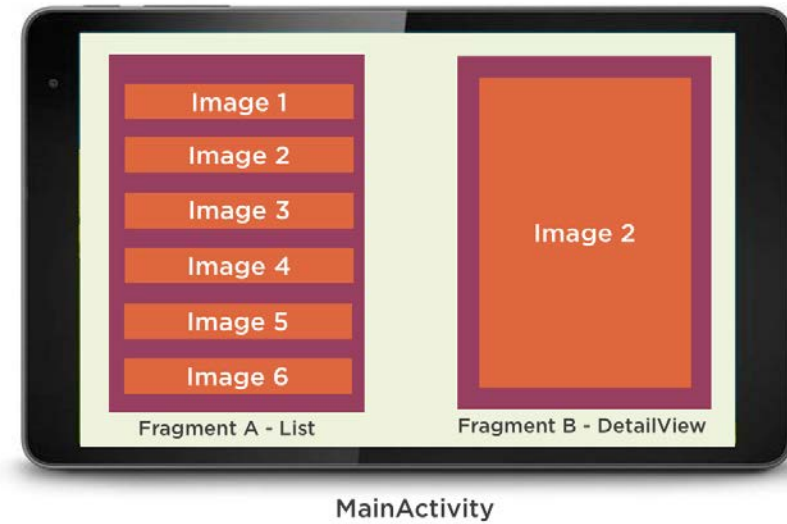


Gallery App

Gallery App - Phone



Gallery App - Tablet



Why Fragment?



Combine several Fragments in single Activity

Reuse the same Fragment across several Activities

Make better use of larger screen space in Tablets

Support different layouts on portrait and landscape modes



Prerequisites



Run **Hello World** android app in emulator

Fundamentals of android component

- Activity



How to Follow the Demo?

