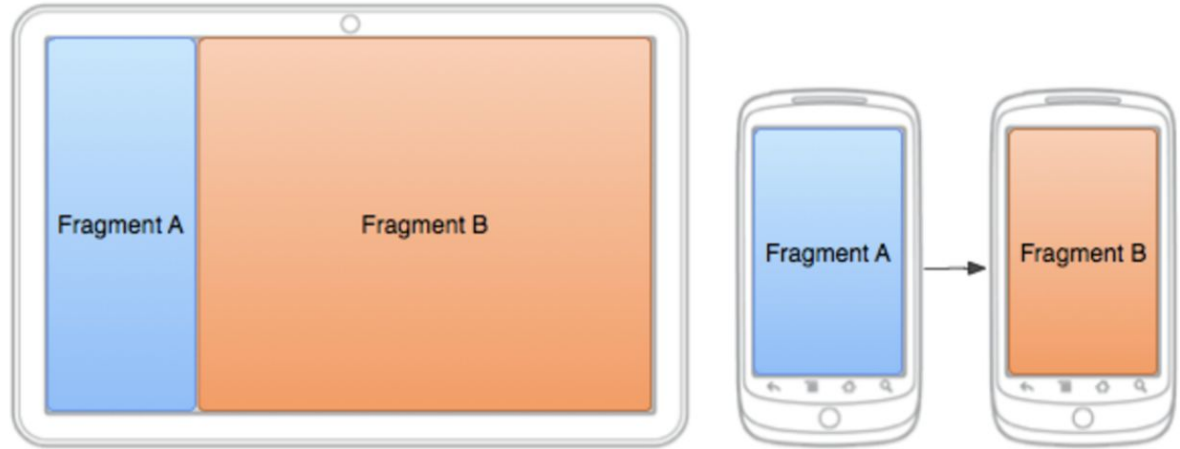


Android Week Six

Yehyun (Joseph) Ryu
UMN App Developers

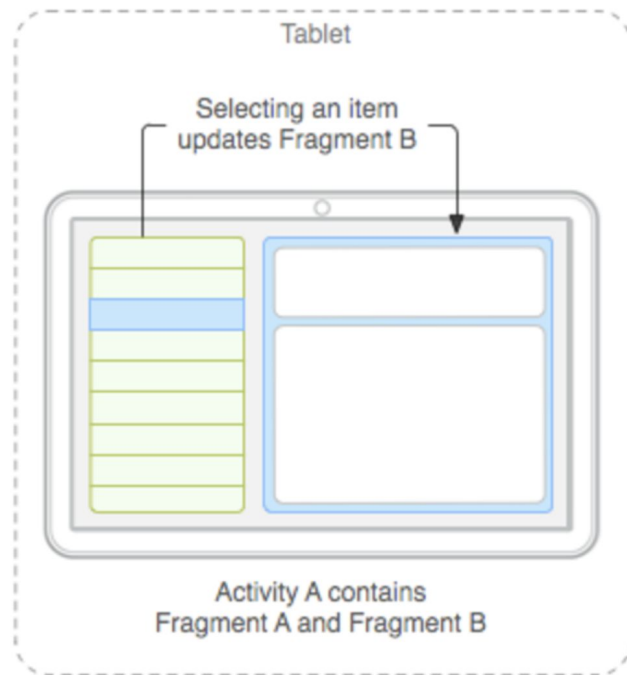
Outline

- Fragments
- ViewPager
- Tab Layout



Fragment

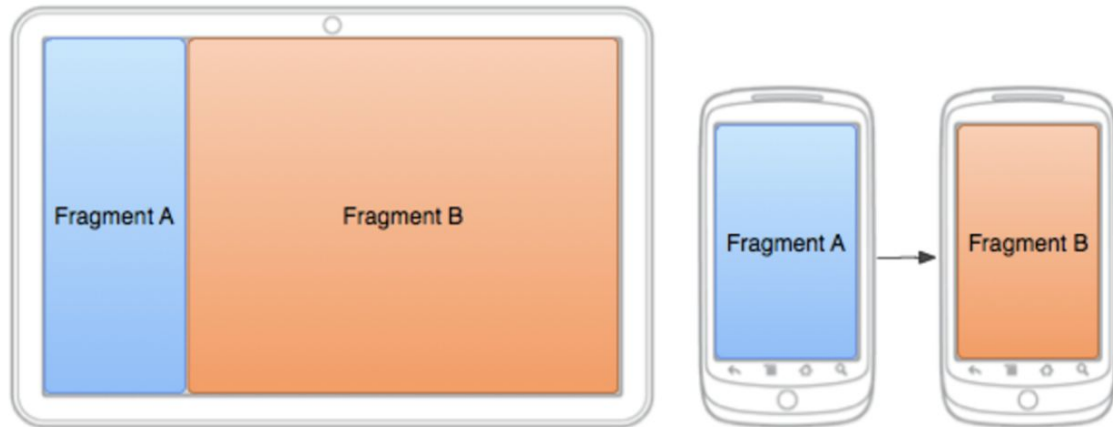
- A piece of an application's user interface or behavior that can be placed in an Activity
- Mini Activity



Why use Fragment?

1. To Support Bigger Screens

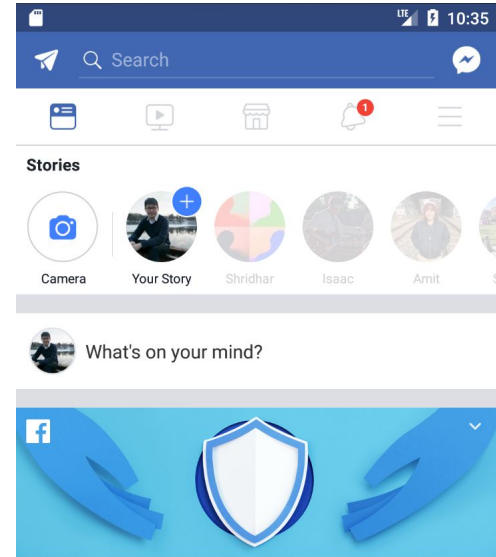
- Only one activity can be active at one time.
- There can be multiple part of the screen that behave separately.
- Can write code that requires very little change between bigger screens and smaller screens



Why use Fragments?

2. Better Animations

- Smoother transitions between fragments.
- Harder for activities to handle transition especially in the case of swiping.

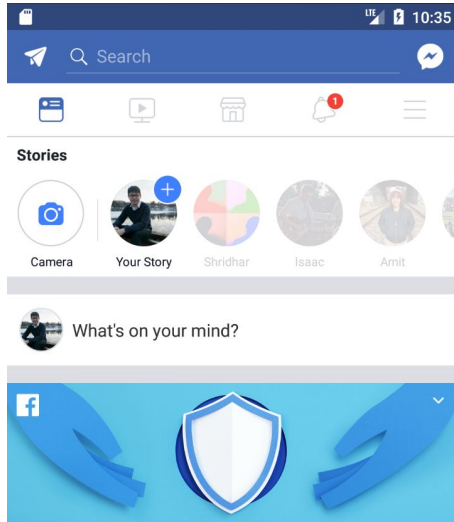


Keep your account safe with two-factor authentication

Joseph Yehyun, we noticed you recently logged into Facebook from a new device. You can use two-factor authentication to make sure only you can access your account from new devices. We can show you how.

— The Facebook Help Team

Goal



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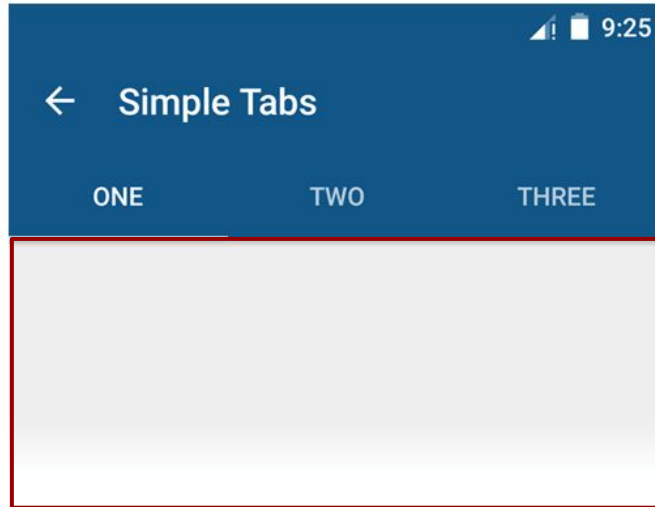
— The Facebook Help Team



ViewPager

- Layout manager that allow users to swipe left and right through pages of data.
- Uses fragments and needs an adapter to generate pages

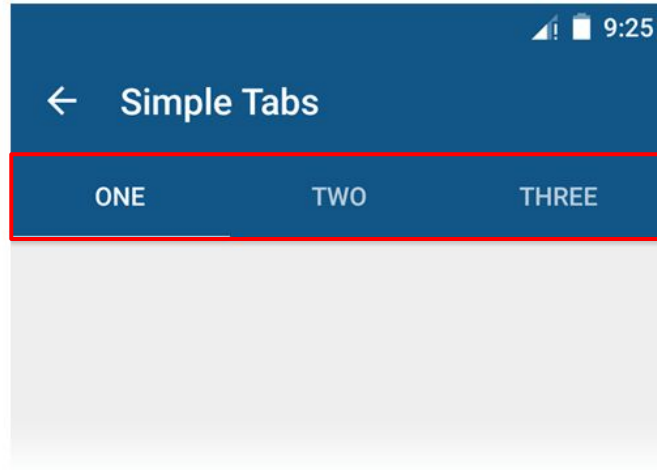
Android Material Design Tab Layout



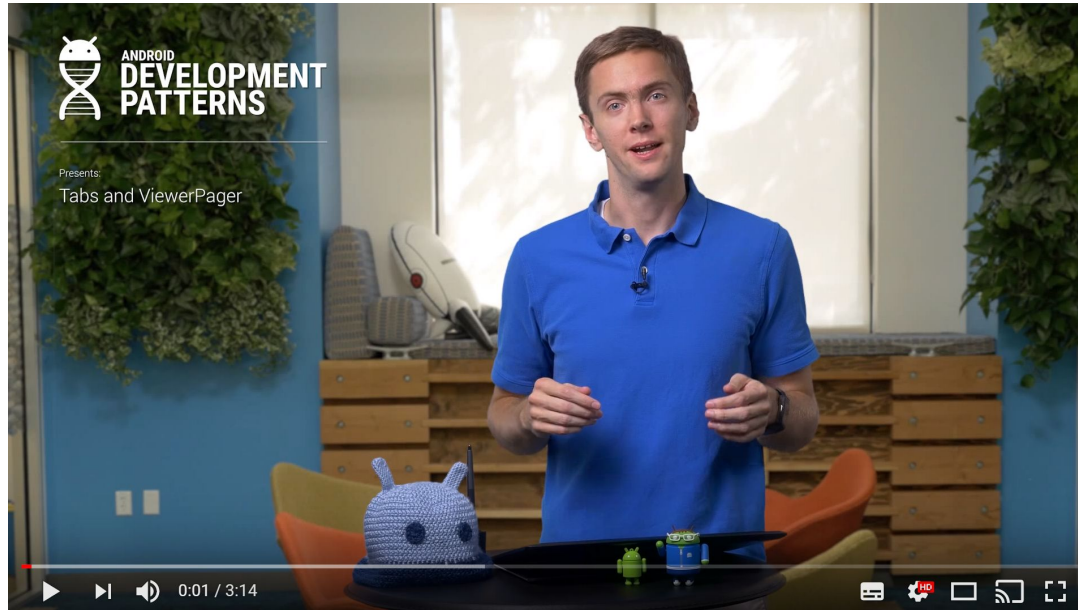
TabLayout

- Horizontal layout to display tabs.

Android Material Design Tab Layout



How to use ViewPager and TabLayout



<https://www.youtube.com/watch?v=zQekzaAgIIQ>

Let's Start!

Next Week

- Review Session
- RecyclerView + ViewPager

