

SigMobile

Recycler Views & Projects

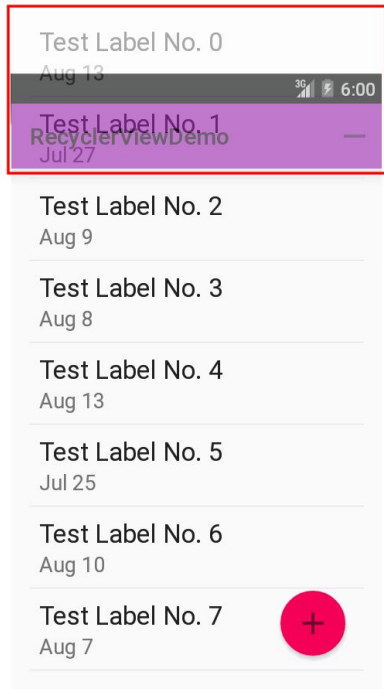
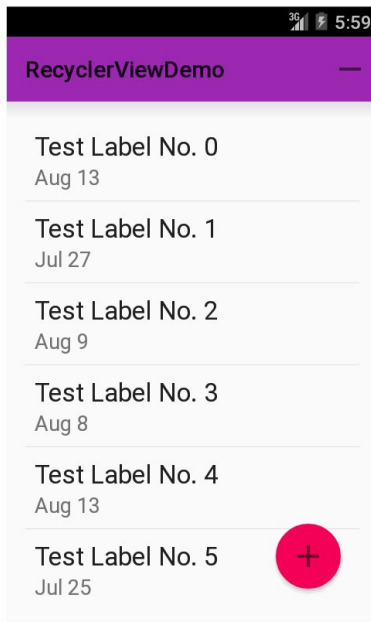
Recycler View

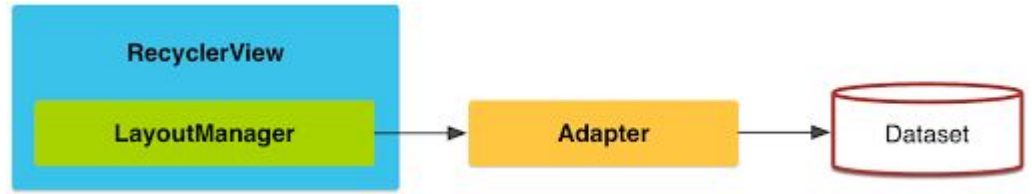
Enables scrolling, works like a list.

Efficient and effective!

(Only generates the views that are visible and 1 or 2 above and below.)

Supports multiple kinds of item views





RecyclerView

RecyclerView Item(Holding a piece of data)

RecyclerView Adapter

A recycler view holds a bunch of recycler items, while the functionality is described by a recycler adapter.

Keep in mind

1. Compile the gradle files with `recyclerview`
2. Specify the height(or width if horizontally) for `recyclerview` items
3. Always call `notifyDataSetChanged`(or something equivalently) after any changes to the data to regenerate the views.

Projects

Group projects

Meeting time: 2~3pm for tutorials, and 3~4pm for projects

Pitching

A better CUMTD

The CUMTD app (Transit) isn't that great

- Does not have a map showing where the bus stop actually is
- Syncs users location for about every 5(?) minutes, so sometimes not accurate.
- Hard to search for a particular bus.
- ...

Website: <https://www.cumtd.com/>

Developer site: <https://developer.cumtd.com/>

A music app

Being able to play guitar, piano or other instruments on your phone.

Having sheets/notes shown and try to play the exact sound.

Game

A multiplayer 2-D game

<https://blog.aritraroy.in/20-awesome-open-source-android-apps-to-boost-your-development-skills-b62832cf0fa4>