

Sec 7

→ List view

- is view which groups several items and display them in vertical scrollable list.
- the list items are automatically inserted to the list using an adapter that pulls content from a source like an array or db.

↓
يُنقل ال data ما بين
ال data source ال
list view.

→ List Adapter

- 1- Array adapter: - used if the model data is an array object.
← ال data بتاعى بتبقى جاية من array list & array vector
- 2- Base adapter: - used if the model data is some other in-memory data structure.
يقتب ال top parent ال adapters
← لما تون من حاف مثال ال data جاية ازاى.
- 3- Simple adapter: - used for static data.
← لو ال data من لينق ومجموعة
- 4- Header view list adapter: - used when a list view has header views.

→ List view problems

- out of Memory Errors
 - ↳ Images come in all shapes and sizes.
 - ↳ In Sampling.
- what if the records increased.
↳ using view Holder to reuse the unused views.

→ Apps. Building Blocks

- Activity :- UI Component, specially for one screen.
- Broadcast Receiver (Intent Receiver) :- Responds to notifications or status changes that we can wake up your process.
- Service :- Faceless task can run in the background.
- Content provider :- Enable apps to share data.

Sec 8

→ Recycler view

- is composed of multiple items → each of these has a layout with several views.
هنا بيجد Create لعدد
- the main trick is that it re-uses the view items. scroll
مهم ولس ما بيجد scroll بيبيتم ا جريد بدل الى اختتم

→ MVC model (model-view-controller)

← model ← خزنه فيه ال data
← view ← مسؤول عن ال بيترخيص ال user
← Controller ← وسيط بين ال user وال app