

Understanding Recycler and Card Views



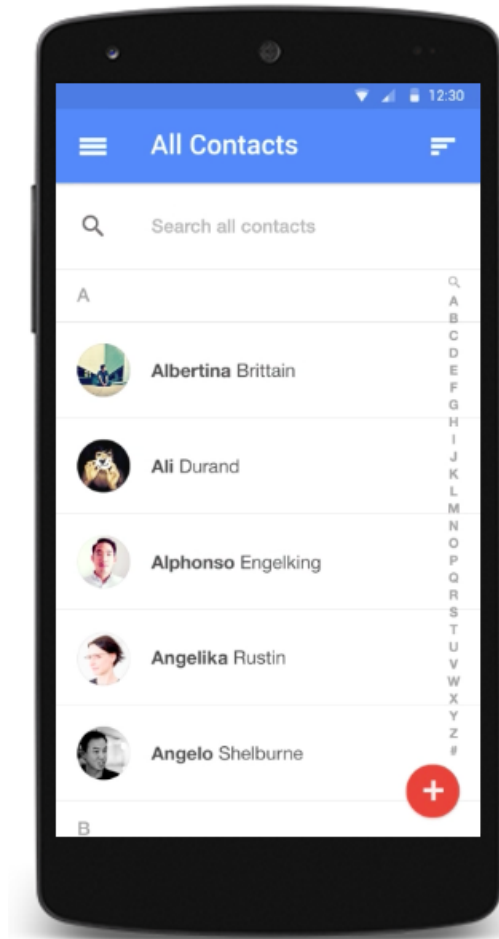
Sriyank Siddhartha

AUTHOR TITLE

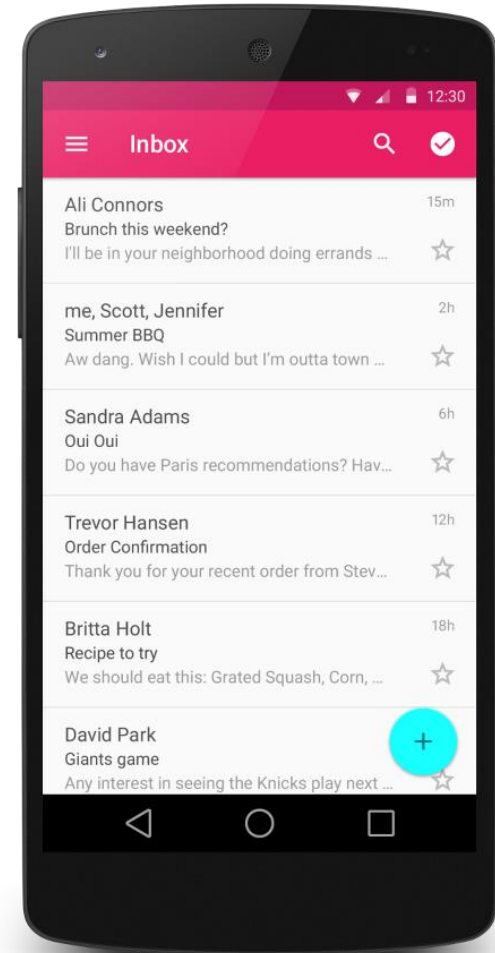
linkedin.com/in/sriyank



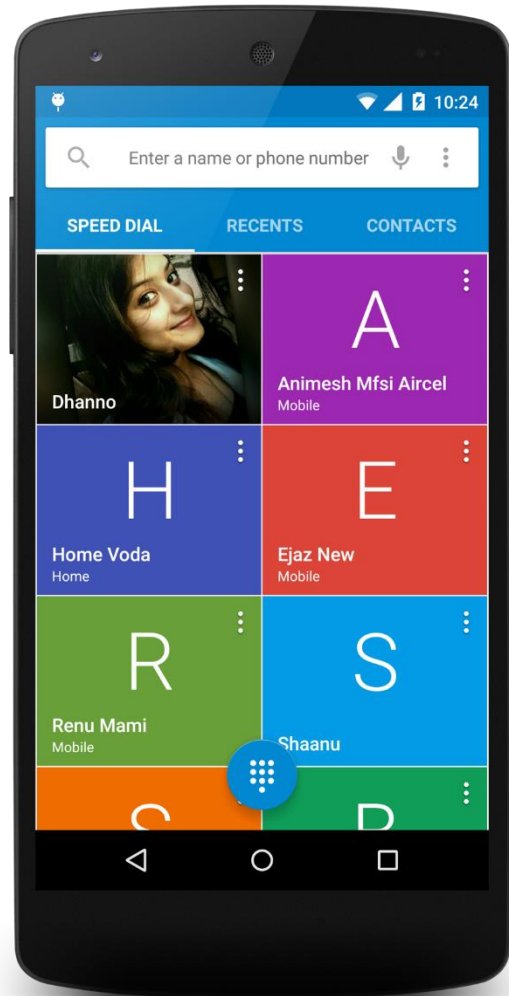
What Is RecyclerView?



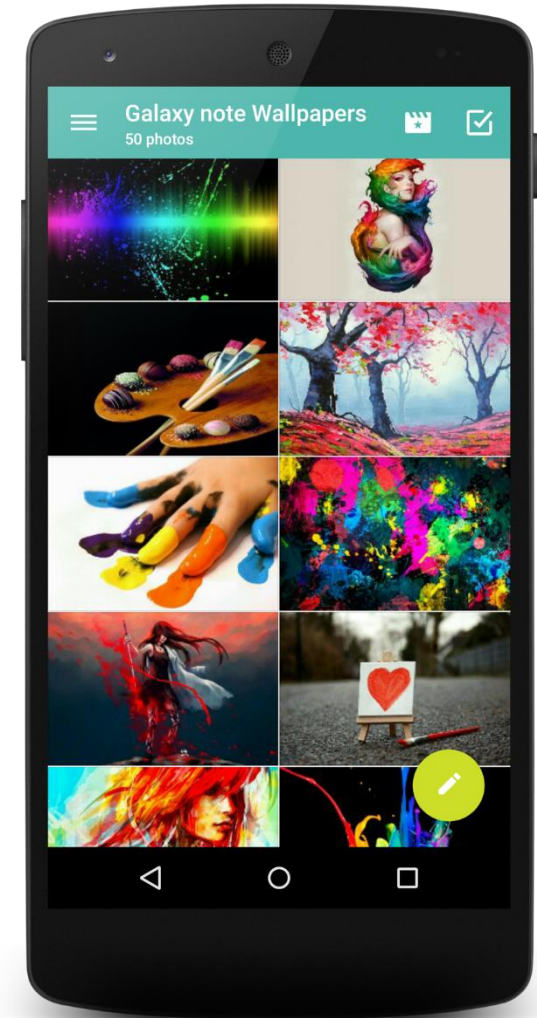
Linear



What Is RecyclerView?



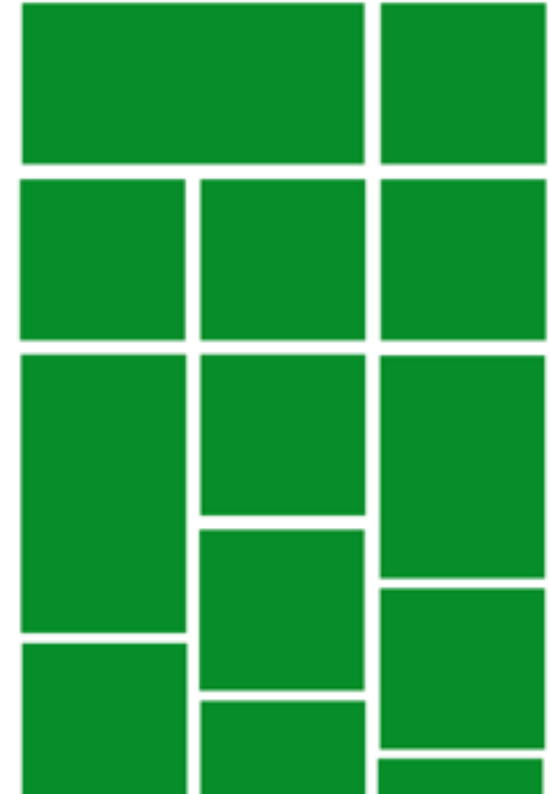
Grid



What Is RecyclerView?



Staggered Grid



RecyclerView

Overview



- **Displays large data efficiently as List**
 - Inbuilt Recycling Property
- **Advanced and Flexible version of ListView**
 - Compatibility – API 7 onwards



RecyclerView

Overview



- **Flexibly position items :**
 - Linear Layout Manager : Horizontal or Vertical Scroll List
 - Grid Layout Manager : Equally spaced items
 - Staggered Layout Manager : Zig-Zag appearance
- **Default animations to perform operations**
 - Delete item
 - Add item



Demo

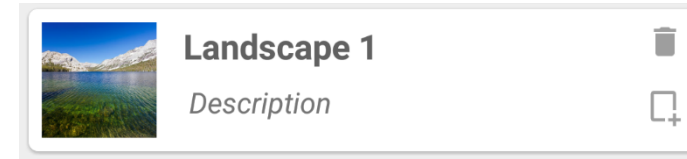
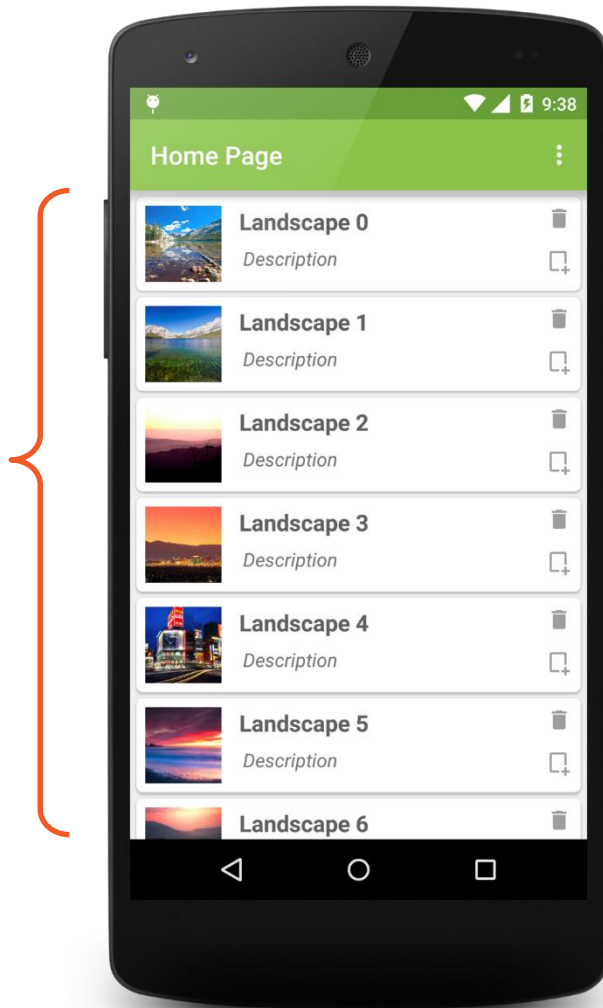


RecyclerView

- Linear View
 - Vertical
 - Horizontal
- Grid View
- Staggered Grid View
 - Vertical
 - Horizontal



1. Steps Involved – Resource XML



1. Create a list item layout

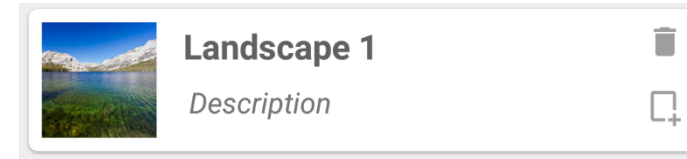
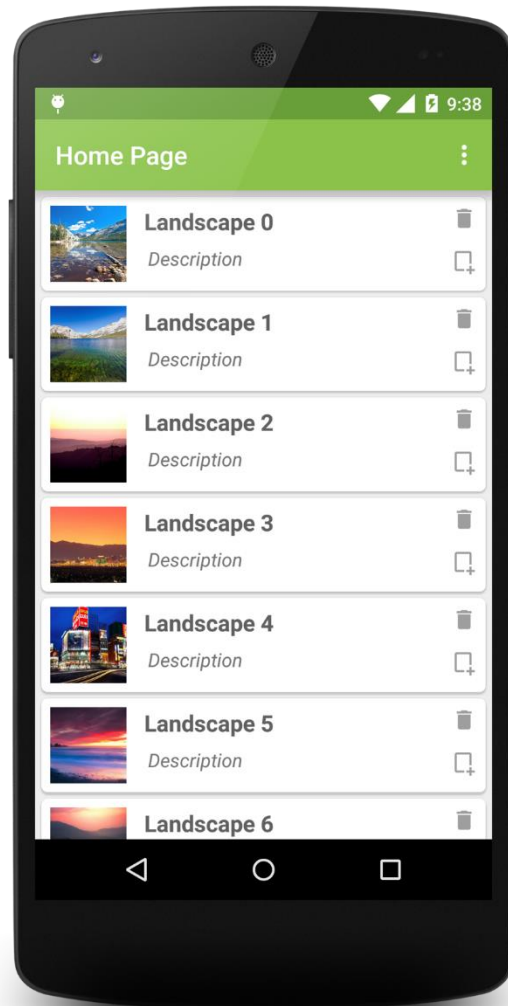
- list_item.xml
 - Use CardView as root layout

2. Add RecyclerView

- activity_main.xml



2. Steps Involved – Java

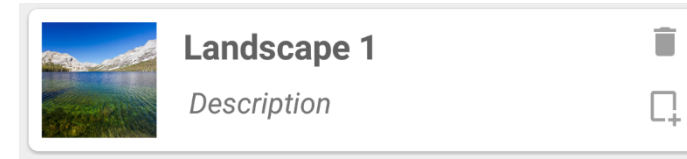
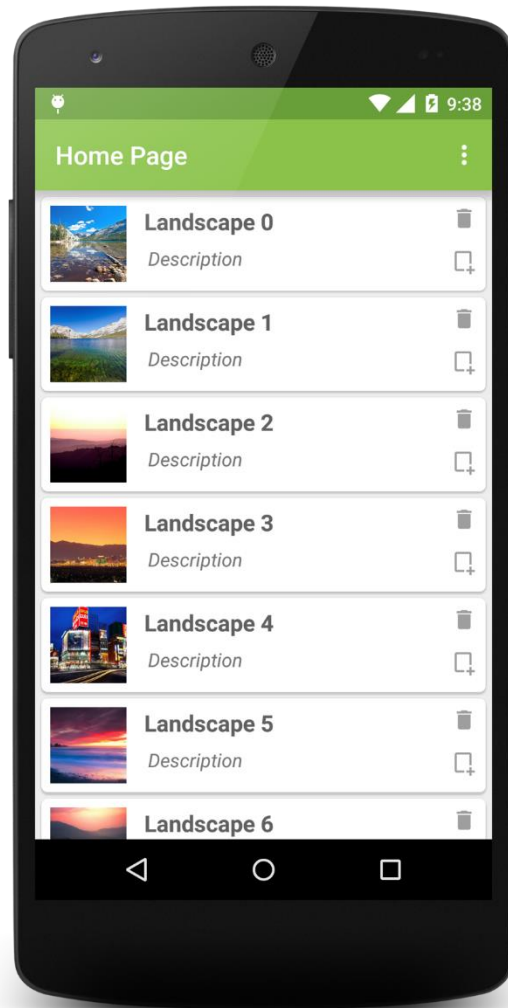


1. Prepare the Data Model

- Title
- Description
- Image



2. Steps Involved – Java



2. Create Custom Adapter

- extends `RecyclerView.Adapter<MyViewHolder>`
 - `MyViewHolder` extends `RecyclerView.ViewHolder`

3. Link RecyclerView with Adapter

