

# Working with Items and Layout in Recycler View

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AUTHOR TITLE

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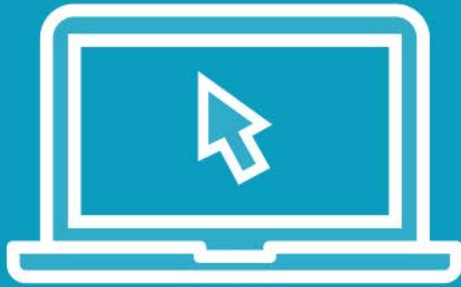
# Operations



- **Methods to perform ADD operation :**
  - *notifyItemInserted* ( **position** )
    - Called on adapter to declare that the new item has been **added** at that **position**
- **Methods to perform DELETE operation :**
  - *notifyItemRemoved* ( **position** )
    - Called on adapter to declare that the an item has been **deleted** at that **position**



# Demo



## Operation

- Add an Item
- Delete an Item



# Operations

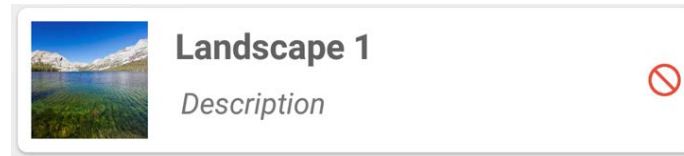
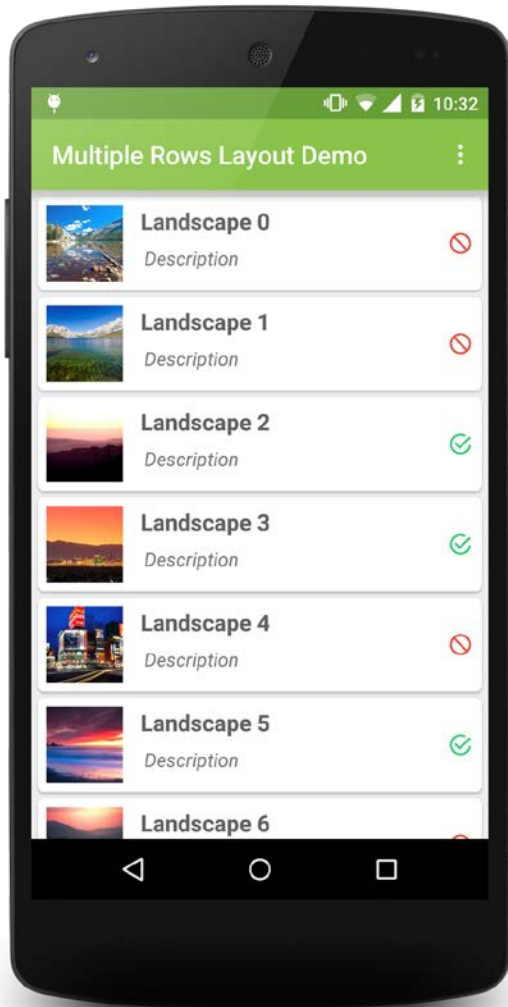


- **Other few important methods :**

- *notifyItemInserted* ( **position** )
- *notifyItemRemoved* ( **position** )
- *notifyItemChanged* ( **position** )
- *notifyItemRangeInserted* ( **position**, **itemCount** )
- *notifyItemRangeRemoved* ( **position**, **itemCount** )
- *notifyItemRangeChanged* ( **position**, **itemCount** )
- *notifyDataSetChanged* ( )



# RecyclerView with Multiple Layout Types



1. Create a list item layout for **NON-PRIME** row  
- list\_item\_non\_prime.xml



2. Create a list item layout for **PRIME** row  
- list\_item\_prime.xml



# Summary



## RecyclerView

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

## Perform operations

- Delete item
- Add item

## RecyclerView with Multiple Row Layouts

