Widgets/Controls:

Listview

Spinner (Dropdown list)

AutoCompleteTextView

GridView

Data:

DB

Array

List

JSON

XML

Connector:

Adapter

Android Adapter

Adapter holds the data fetched from an array and iterates through each item in data set and generates the respective views for each item of the list. So, we can say it act as an intermediate between the data sources and adapter views such as ListView, Gridview.

- **ArrayAdapter:** It always accepts an Array or List as input. We can store the list items in the strings.xml file also.
- **CursorAdapter:** It always accepts an instance of cursor as an input means
- **SimpleAdapter:** It mainly accepts a static data defined in the resources like array or database.
- **BaseAdapter:** It is a generic implementation for all three adapter types and it can be used in the views according to our requirements.