

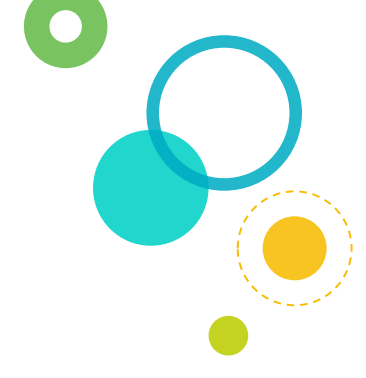
The background is white with several large, colorful circles and dashed lines. In the top left, there is a large teal circle with a white center, a smaller teal circle, and a dashed teal circle. In the top right, there is a large lime green circle, a smaller green circle, and a dashed green circle. In the bottom left, there is a large green circle with a white center, a smaller yellow circle, and a dashed yellow circle. In the bottom right, there is a large yellow circle, a smaller orange circle, and a dashed yellow circle. A large dashed blue circle spans across the middle of the slide.

Pertemuan 1

Review Mobile Dasar

A decorative graphic in the top-left corner consisting of several overlapping circles and rings in shades of pink, orange, teal, and lime green. Some shapes have dashed outlines.

Outline

- Layout
 - Recycle View
 - Intent
 - Shared Preferences
 - SQLite
 - Retrofit
 - Maps
 - Camera
- 
- A decorative graphic in the top-right corner consisting of several overlapping circles and rings in shades of green, teal, blue, and yellow. Some shapes have dashed outlines.

One



Layout

“Bersabarlah dan bersemangatlah”



Terdapat 3 jenis Layout (ViewGroup) yang sering digunakan

LinearLayout

Layout untuk meletakkan objek/view secara sejajar (vertical / horizontal)

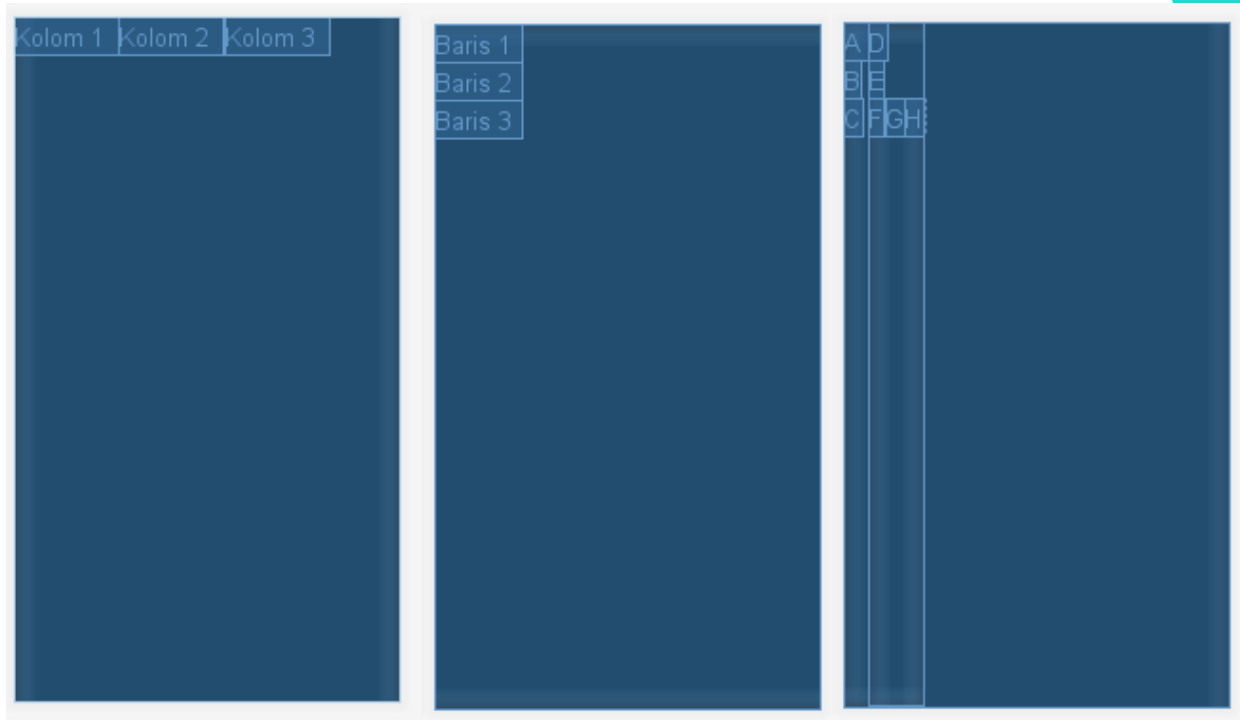
RelativeLayout

Layout untuk meletakkan suatu view bergantung dengan view yang lain.

ConstraintLayout

Hampir sama seperti relative layout, namun lebih fleksibel.

LinearLayout



Horizontal

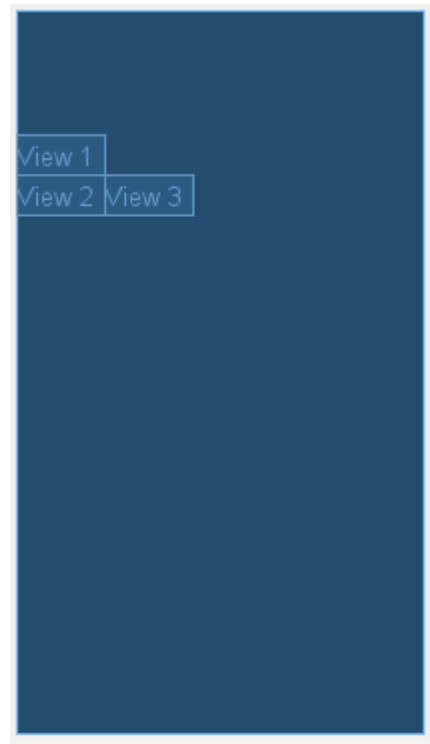
Vertical

Linear dalam Linear

RelativeLayout



ConstraintLayout



RelativeLayout

```
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:textSize="30sp"
    android:text="View 1"
    android:id="@+id/view1"
    android:layout_marginTop="100dp"/>

<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:textSize="30sp"
    android:text="View 2"
    android:id="@+id/view2"
    android:layout_below="@+id/view1"/>

<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:textSize="30sp"
    android:text="View 3"
    android:id="@+id/view3"
    android:layout_toRightOf="@+id/view2"
    android:layout_below="@+id/view1"/>
```

ConstraintLayout

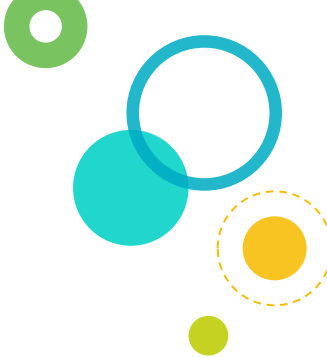
```
<TextView
    android:id="@+id/viewa1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="View 1"
    android:textSize="30sp"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintBottom_toBottomOf="parent"/>

<TextView
    android:id="@+id/viewa2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="View 2"
    android:textSize="30sp"
    app:layout_constraintTop_toBottomOf="@id/viewa1"
    app:layout_constraintRight_toRightOf="@id/viewa1"/>

<TextView
    android:id="@+id/viewa3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="View 3"
    android:textSize="30sp"
    app:layout_constraintLeft_toRightOf="@id/viewa2"
    app:layout_constraintTop_toBottomOf="@id/viewa1"/>
```



Hal-hal yang perlu diingat kembali:

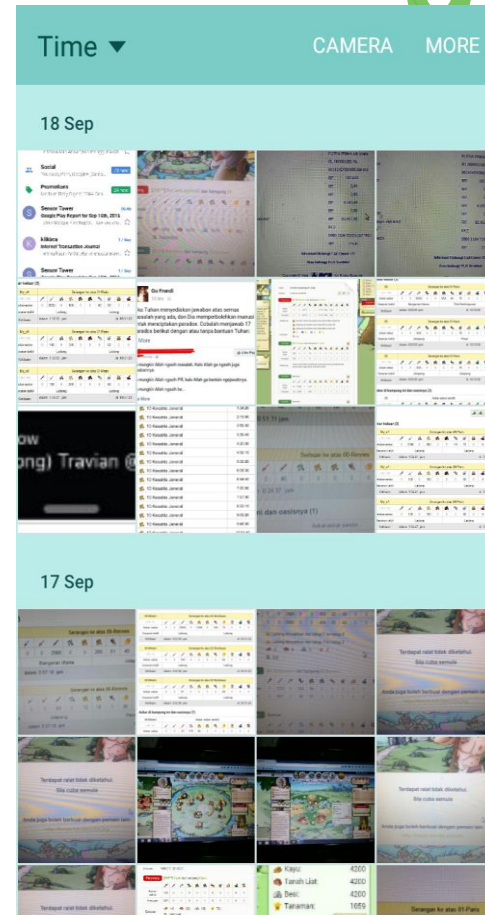
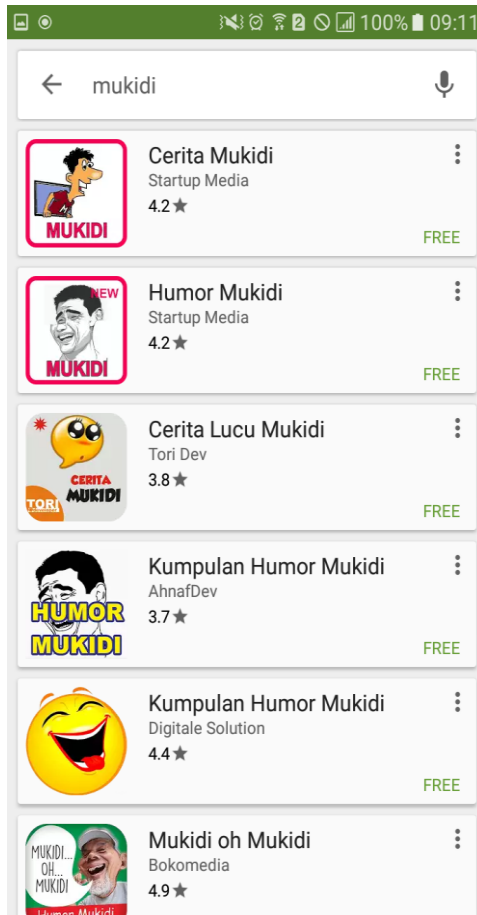
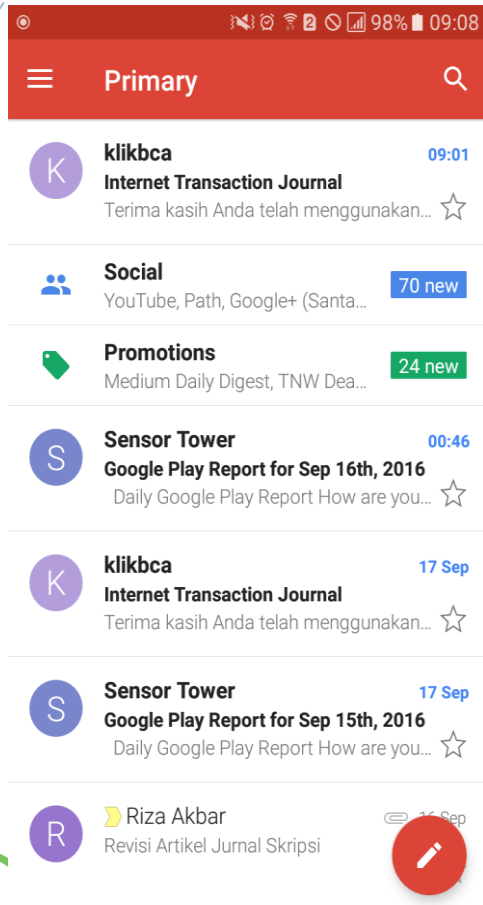
- Activity
 - Layout Weight (untuk LinearLayout)
 - Picasso (untuk pengolahan gambar)
 - ImageView, TextView, Button, ...
 - strings.xml, dims.xml,...
- 

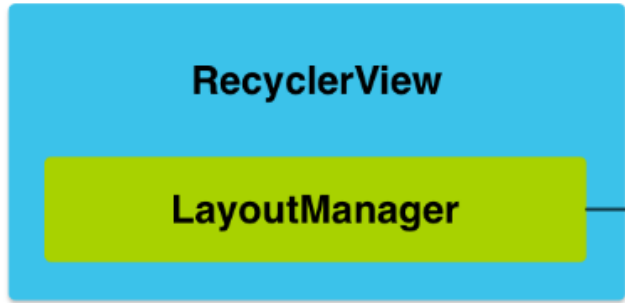
2wo



Recycle View

“Bersabarlah dan bersemangatlal”





Thr3



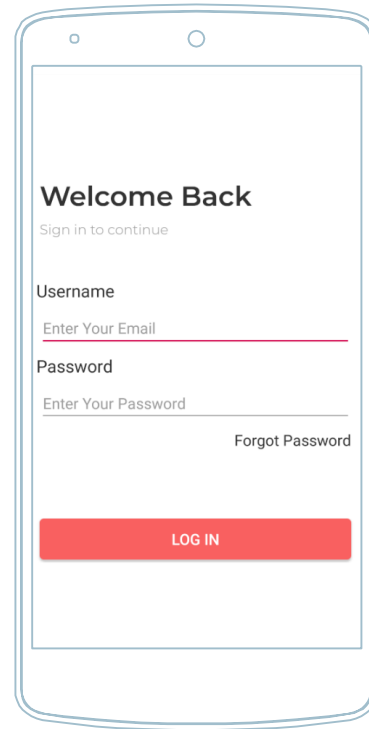
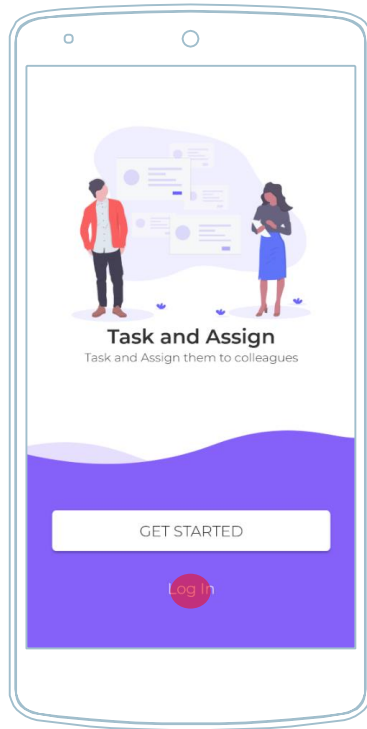
Intent

“Bersabarlah dan bersemangatlah”

The background features a large, light blue dashed circle. Various colored circles and arcs are scattered around it: a large yellow circle at the top left, a medium blue circle at the top center containing the quote, a large orange circle at the top right, a medium orange circle at the bottom left, a small pink circle at the bottom left, a large yellow circle at the bottom right, a medium green circle at the bottom right, and a small blue circle at the bottom right. There are also several small solid circles in green, blue, orange, and pink.

“

Intent digunakan untuk berpindah
dari activity satu menuju activity
yang lain.



```
public void clickLogin(View view) {  
    Intent i = new Intent( packageContext: ActivitySekarang.this, ActivityTujuan.class);  
    startActivity(i);  
}
```

Intent dengan Data

```
Intent intent = new Intent( packageContext: RegisterActivity.this, RegisterResultActivity.class);  
intent.putExtra(Key_RegisterActivity, new String[]{nama, tanggal_lahir, jk, username});  
startActivity(intent);
```

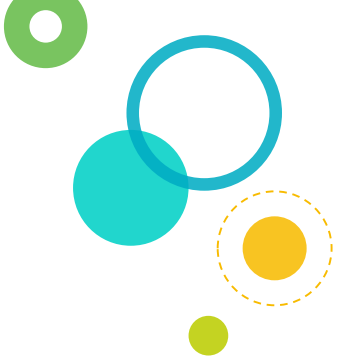
Variabel data yang akan dikirim “dibungkus” pada array yang diberi nama “Key_RegisterActivity”

```
//get string array berdasarkan key  
String[] stringArray = getIntent().getStringArrayExtra(RegisterActivity.Key_RegisterActivity);  
//set value to textview  
tvResultNama.setText(stringArray[0]);  
tvResultTanggalLahir.setText(stringArray[1]);  
tvResultJenisKelamin.setText(stringArray[2]);  
tvResultUsername.setText(stringArray[3]);
```

Memanggil data tersebut di activity tujuan dengan cara memanggil array “Key_RegisterActivity”



Hal-hal yang perlu diingat kembali:

- Intent Eksplisit
 - Intent Implisit
 - Parcelable
- 

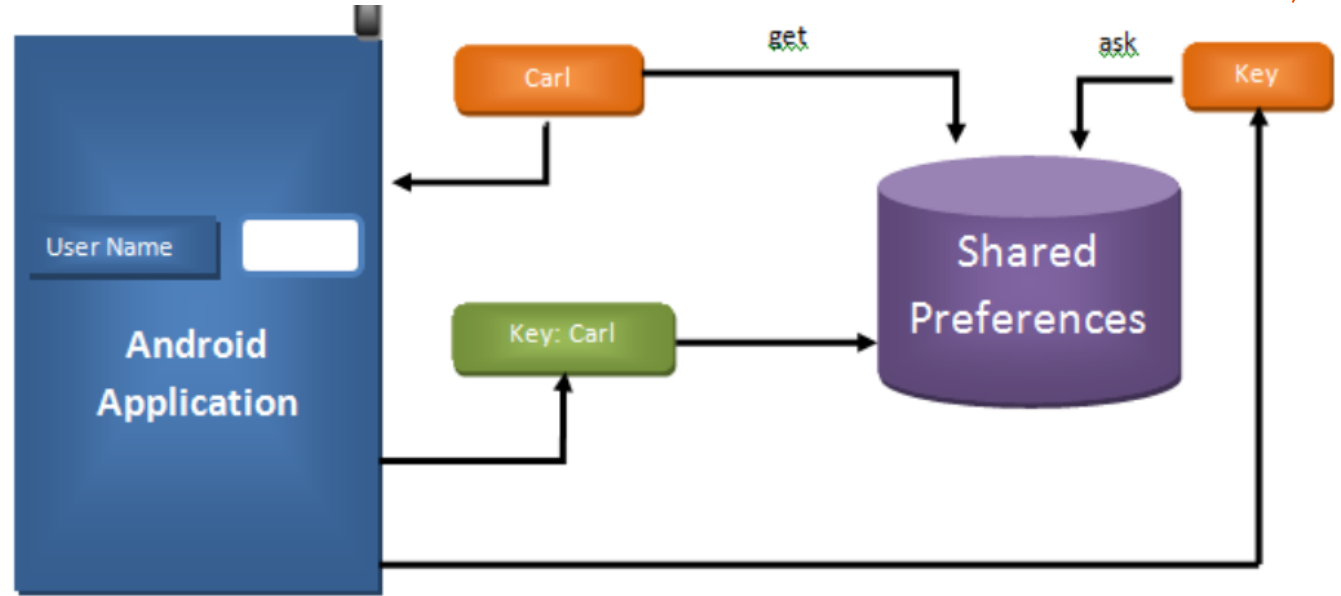
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Shared Preferences

“Bersabarlah dan bersemangatlal”

Gambar Ilustrasi Shared Preferences



Inisiasi Shared Preferences

```
SharedPreferences pref =  
getApplicationContext().getSharedPreferences("MyPref", 0);  
Editor editor = pref.edit();  
editor.putBoolean("key_name", true); // Storing boolean - true/false  
editor.putString("key_name", "string value"); // Storing string  
editor.putInt("key_name", "int value"); // Storing integer  
editor.putFloat("key_name", "float value"); // Storing float  
editor.putLong("key_name", "long value"); // Storing long  
  
editor.commit(); // commit changes
```

Memanggil Shared Preferences

```
SharedPreferences pref =  
getApplicationContext().getSharedPreferences("MyPref", 0);  
// returns stored preference value  
// If value is not present return second param value – In this case null  
pref.getString("key_name", null); // getting String  
pref.getInt("key_name", null); // getting Integer  
pref.getFloat("key_name", null); // getting Float  
pref.getLong("key_name", null); // getting Long  
pref.getBoolean("key_name", null); // getting boolean
```

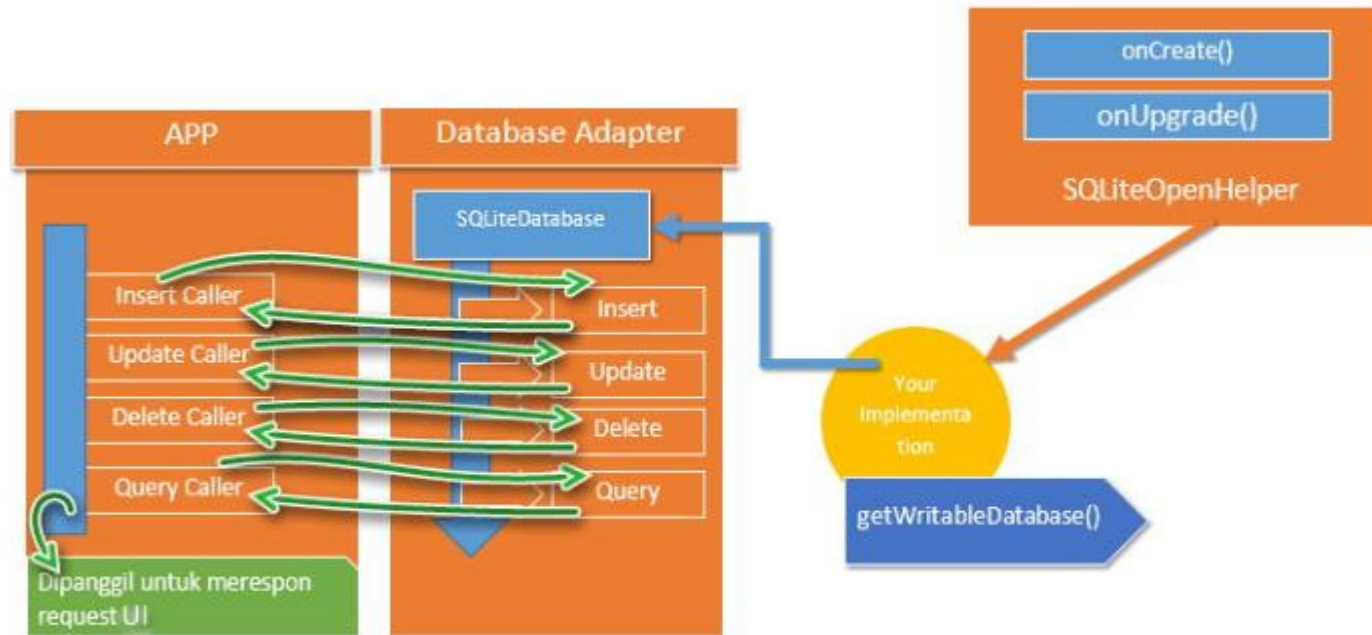
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SQL lite

“Bersabarlah dan bersemangatlal”

Gambar Ilustrasi SQL Lite



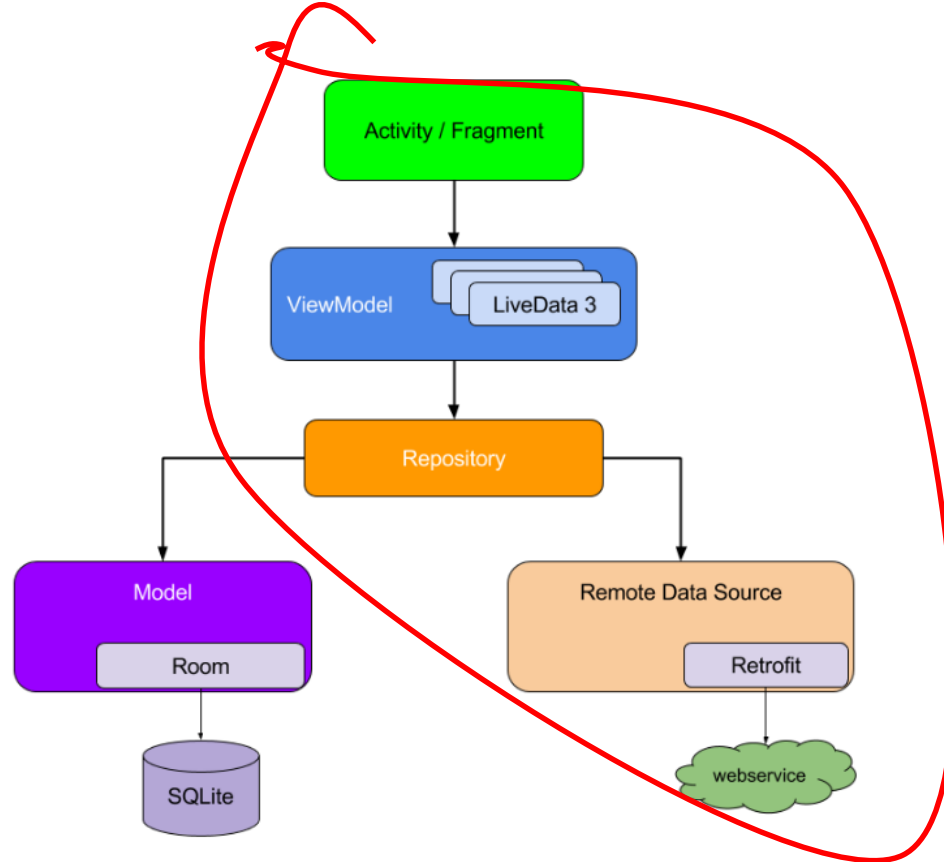
6ix



Retrofit

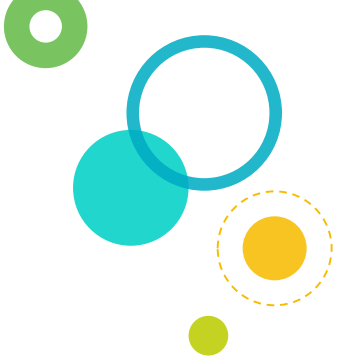
“Bersabarlah dan bersemangatlal”

Gambaran umum retrofit:





Hal-hal yang perlu diingat kembali:

- Camera
 - Maps
- 

Thanks!



Any questions?