

## LAMPIRAN

### Koding aplikasi

#### About.xml

```
1 About.xml
2
3 <?xml version="1.0" encoding="utf-8"?>
4 <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
5     android:orientation="vertical" android:layout_width="match_parent"
6     android:layout_height="match_parent">
7
8     <ImageView
9         android:layout_width="500dp"
10        android:layout_height="400dp"
11        android:id="@+id/imageView3"
12        android:src="@mipmap/about"
13        android:scaleType="fitStart"
14        android:layout_alignParentTop="true"
15        android:layout_alignParentStart="true"
16        android:layout_marginTop="41dp" />
17 </RelativeLayout>
18
```

#### Help.xml

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
3     android:orientation="vertical" android:layout_width="match_parent"
4     android:layout_height="match_parent">
5
6     <TextView
7         android:id="@+id/title"
8         android:layout_width="match_parent"
9         android:layout_height="48dp"
10        android:layout_alignParentTop="true"
11        android:background="#3f51b5"
12        android:gravity="center_vertical"
13        android:paddingLeft="10dp"
14        android:text="Panduan penggunaan"
15        android:textAppearance="?android:attr/textAppearanceLarge"
16        android:textColor="#fff" />
17
18     <ScrollView xmlns:android="http://schemas.android.com/apk/res/android"
19         android:layout_width="fill_parent"
20         android:layout_height="wrap_content"
21         android:layout_above="@+id/bottom_container"
22         android:layout_below="@+id/title"
23         android:fillViewport="false"
24         android:orientation="vertical"
25         android:padding="10dp"
26         android:id="@+id/scrollView">
27
28         <LinearLayout
29             android:orientation="vertical"
30             android:layout_width="match_parent"
31             android:layout_height="match_parent"
32             android:minWidth="330dp">
33
34             <TextView
35                 android:layout_width="match_parent"
36                 android:layout_height="wrap_content"
37                 android:text="pada tampilan awal akan di sediakan beberapa pilihan ruangan"
38                 android:id="@+id/textView9"
```

```

39         android:textStyle="bold"
40         android:layout_alignTop="@+id/scrollView"
41         android:layout_alignStart="@+id/imageView2"
42         android:layout_gravity="bottom" />
43
44     <ImageView
45         android:layout_width="match_parent"
46         android:layout_height="400dp"
47         android:id="@+id/imageView2"
48         android:layout_below="@+id/textView9"
49         android:layout_centerHorizontal="true"
50         android:layout_marginTop="24dp"
51         android:src="@mipmap/panduan1"
52         android:scaleType="fitXY" />
53
54     <TextView
55         android:layout_width="match_parent"
56         android:layout_height="wrap_content"
57         android:text="setelah salah satu ruangan di pilih namun kurang cahaya, maka akan muncul peringatan"
58         android:id="@+id/textView10"
59         android:textStyle="bold"
60         android:layout_below="@+id/imageView2"
61         android:layout_alignStart="@+id/imageView2"
62         android:layout_marginTop="24dp" />
63
64     <ImageView
65         android:layout_width="match_parent"
66         android:layout_height="400dp"
67         android:id="@+id/imageView5"
68         android:src="@mipmap/help33"
69         android:scaleType="fitXY"
70         android:layout_marginTop="24dp" />
71
72     <TextView
73         android:layout_width="match_parent"
74         android:layout_height="wrap_content"
75         android:text="jika cahaya cukup tampilan akan seperti ini dan akan memberi sugesti kepada pengguna sesuai kondisi tiap ruangan"
76
77         android:id="@+id/textView11"
78         android:layout_alignParentBottom="true"
79         android:layout_alignStart="@+id/textView10"
80         android:textStyle="bold"
81         android:layout_marginTop="24dp" />
82
83     <ImageView
84         android:layout_width="match_parent"
85         android:layout_height="400dp"
86         android:id="@+id/imageView4"
87         android:src="@mipmap/help22"
88         android:layout_below="@+id/imageView2"
89         android:layout_alignStart="@+id/imageView2"
90         android:scaleType="fitXY"
91         android:layout_marginTop="24dp" />
92
93     </LinearLayout>
94 </ScrollView>
95
96 <LinearLayout
97     android:id="@+id/bottom_container"
98     android:layout_width="match_parent"
99     android:layout_height="wrap_content"
100     android:layout_alignParentBottom="true"
101     android:orientation="horizontal">
102
103 </LinearLayout>
104 </RelativeLayout>
105

```

## Activitymain.xml

```
1 Activity_main.xml
2 <?xml version="1.0" encoding="utf-8"?>
3 <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
4     xmlns:tools="http://schemas.android.com/tools"
5     android:layout_width="match_parent"
6     android:layout_height="match_parent"
7     android:paddingBottom="@dimen/activity_vertical_margin"
8     android:paddingLeft="@dimen/activity_horizontal_margin"
9     android:paddingRight="@dimen/activity_horizontal_margin"
10    android:paddingTop="@dimen/activity_vertical_margin"
11    tools:context="com.example.dor.smartluxmeter.MainActivity">
12
13    <ScrollView
14        android:id="@+id/scrollView2"
15        android:layout_width="wrap_content"
16        android:layout_height="wrap_content">
17
18        <LinearLayout
19            android:id="@+id/linearLayout"
20            android:layout_width="match_parent"
21            android:layout_height="wrap_content"
22            android:layout_alignTop="@+id/scrollView"
23            android:layout_centerHorizontal="true"
24            android:orientation="vertical"
25            android:weightSum="1">
26
27            <TextView
28                android:id="@+id/textView3"
29                android:layout_width="wrap_content"
30                android:layout_height="wrap_content"
31                android:layout_alignParentStart="true"
32                android:layout_alignParentTop="true"
33                android:gravity="center"
34                android:text="Beberapa Jenis Ruangan Dalam Rumah"
35                android:textAppearance="?android:attr/textAppearanceLarge"
36                android:textColor="#fa9d12"
37                android:textSize="30dp"
38                android:textSize="30dp"
39                android:textStyle="bold" />
40
41            <Button
42                android:id="@+id/livingroom"
43                android:layout_width="match_parent"
44                android:layout_height="70dp"
45                android:layout_below="@+id/textView3"
46                android:layout_centerHorizontal="true"
47                android:background="@drawable/colorbutton"
48                android:text="ruang tamu" />
49
50            <Button
51                android:id="@+id/kitchen"
52                android:layout_width="match_parent"
53                android:layout_height="70dp"
54                android:layout_alignStart="@+id/trace"
55                android:layout_below="@+id/diningroom"
56                android:background="@drawable/colorbutton"
57                android:text="dapur" />
58
59            <Button
60                android:id="@+id/bathroom"
61                android:layout_width="match_parent"
62                android:layout_height="70dp"
63                android:layout_alignParentEnd="true"
64                android:layout_alignTop="@+id/bedroom"
65                android:background="@drawable/colorbutton"
66                android:text="kamar mandi" />
67
68            <Button
69                android:id="@+id/workspace"
70                android:layout_width="match_parent"
71                android:layout_height="70dp"
72                android:layout_alignBaseline="@+id/button2help"
73                android:layout_alignBottom="@+id/button2help"
74                android:layout_alignStart="@+id/bedroom"
```



```

73         android:layout_alignStart="@+id/bedroom"
74         android:background="@drawable/colorbutton"
75         android:text="ruang kerja" />
76
77     <Button
78         android:id="@+id/diningroom"
79         android:layout_width="match_parent"
80         android:layout_height="70dp"
81         android:layout_alignLeft="@+id/bathroom"
82         android:layout_alignStart="@+id/bathroom"
83         android:layout_below="@+id/bathroom"
84         android:background="@drawable/colorbutton"
85         android:text="ruang makan" />
86
87     <Button
88         android:id="@+id/bedroom"
89         android:layout_width="match_parent"
90         android:layout_height="70dp"
91         android:layout_alignEnd="@+id/textView3"
92         android:layout_below="@+id/livingroom"
93         android:background="@drawable/colorbutton"
94         android:text="kamar tidur" />
95
96     <Button
97         android:id="@+id/trace"
98         android:layout_width="match_parent"
99         android:layout_height="70dp"
100        android:layout_alignLeft="@+id/diningroom"
101        android:layout_alignStart="@+id/diningroom"
102        android:layout_below="@+id/diningroom"
103        android:background="@drawable/colorbutton"
104        android:text="teras" />
105
106     <Button
107         android:id="@+id/garage"
108         android:layout_width="match_parent"
109         android:layout_height="70dp"
110
111         android:layout_height="70dp"
112         android:layout_alignStart="@+id/workspace"
113         android:layout_below="@+id/workspace"
114         android:background="@drawable/colorbutton"
115         android:text="Garasi" />
116
117     <Button
118         android:id="@+id/button2help"
119         android:layout_width="match_parent"
120         android:layout_height="70dp"
121         android:layout_alignEnd="@+id/garage"
122         android:layout_alignLeft="@+id/diningroom"
123         android:layout_alignTop="@+id/buttonexit"
124         android:background="@drawable/colorbutton"
125         android:text="help" />
126
127     <Button
128         android:id="@+id/about"
129         android:layout_width="match_parent"
130         android:layout_height="70dp"
131         android:layout_alignParentEnd="true"
132         android:layout_below="@+id/bottom_container"
133         android:background="@drawable/colorbutton"
134         android:text="about" />
135
136     <Button
137         android:id="@+id/buttonexit"
138         android:layout_width="match_parent"
139         android:layout_height="70dp"
140         android:layout_alignLeft="@+id/diningroom"
141         android:layout_below="@+id/trace"
142         android:background="@drawable/colorbutton"
143         android:text="exit" />
144 </LinearLayout>
</ScrollView>

```

```

146     <LinearLayout
147         android:id="@+id/bottom_container"
148         android:layout_width="match_parent"
149         android:layout_height="wrap_content"
150         android:layout_alignParentBottom="true"
151         android:orientation="horizontal">
152
153     </LinearLayout>
154
155
156 </RelativeLayout>

```

## Livingroom.xml

```

1 Livingroom.xml
2 <?xml version="1.0" encoding="utf-8"?>
3 <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
4     android:orientation="vertical" android:layout_width="match_parent"
5     android:layout_height="match_parent"
6     android:background="#fc900b">
7
8     <TextView
9         android:layout_width="wrap_content"
10        android:layout_height="wrap_content"
11        android:text="letakkan di atas meja"
12        android:id="@+id/textView5"
13        android:layout_alignParentTop="true"
14        android:layout_centerHorizontal="true"
15        android:layout_marginTop="26dp"
16        android:textSize="30dp" />
17
18    <TextView
19        android:layout_width="wrap_content"
20        android:layout_height="wrap_content"
21        android:text="lux"
22        android:id="@+id/textView"
23        android:textSize="25dp"
24        android:layout_marginTop="33dp"
25        android:layout_below="@+id/textView5"
26        android:layout_alignEnd="@+id/textView4" />
27
28    <TextView
29        android:layout_width="wrap_content"
30        android:layout_height="wrap_content"
31        android:text="area"
32        android:id="@+id/textView2"
33        android:textSize="25dp"
34        android:layout_below="@+id/textView"
35        android:layout_alignEnd="@+id/textView"
36        android:layout_marginTop="30dp" />

```

```

37 <TextView
38     android:layout_width="wrap_content"
39     android:layout_height="wrap_content"
40     android:text="status"
41     android:id="@+id/textView4"
42     android:textSize="25dp"
43     android:textIsSelectable="false"
44     android:layout_marginTop="23dp"
45     android:layout_below="@+id/livingroom2"
46     android:layout_alignStart="@+id/textView5" />
47
48 <TextView
49     android:layout_width="wrap_content"
50     android:layout_height="wrap_content"
51     android:text="penjelasan"
52     android:id="@+id/textView6"
53     android:textSize="25dp"
54     android:layout_marginTop="26dp"
55     android:layout_below="@+id/livingroom3"
56     android:layout_alignStart="@+id/livingroom4" />
57
58 <TextView
59     android:layout_width="70dp"
60     android:layout_height="40dp"
61     android:id="@+id/livingroom1"
62     android:background="#ffffff"
63     android:layout_alignTop="@+id/textView"
64     android:layout_alignStart="@+id/livingroom2"
65     android:textSize="35dp" />
66
67 <TextView
68     android:layout_width="200dp"
69     android:layout_height="40dp"
70     android:id="@+id/livingroom2"
71     android:background="#ffffff"
72     android:layout_alignTop="@+id/textView2"
73     android:layout_alignStart="@+id/livingroom3"
74     android:textSize="25dp" />
75
76 <TextView
77     android:layout_width="200dp"
78     android:layout_height="40dp"
79     android:id="@+id/livingroom3"
80     android:background="#ffffff"
81     android:layout_alignTop="@+id/textView4"
82     android:layout_alignEnd="@+id/livingroom4"
83     android:textSize="25dp" />
84
85 <TextView
86     android:layout_width="330dp"
87     android:layout_height="150dp"
88     android:id="@+id/livingroom4"
89     android:background="#ffffff"
90     android:layout_below="@+id/textView6"
91     android:layout_centerHorizontal="true"
92     android:textSize="25dp" />
93
94 </RelativeLayout>

```



## Androidmanifest.xml

```
1 Androidmanifest.xml
2
3 <?xml version="1.0" encoding="utf-8"?>
4 <manifest xmlns:android="http://schemas.android.com/apk/res/android"
5     package="com.example.dor.smartluxmeter">
6
7     <application
8         android:allowBackup="true"
9         android:icon="@mipmap/ic_launcherlampu"
10        android:label="@string/app_name"
11        android:supportsRtl="true"
12        android:screenOrientation="portrait"
13        android:theme="@style/Theme.AppCompat.Light.NoActionBar">
14        <activity android:name=".Launcher">
15            <intent-filter>
16                <action android:name="android.intent.action.MAIN" />
17
18                <category android:name="android.intent.category.LAUNCHER" />
19            </intent-filter>
20        </activity>
21        <activity
22            android:name=".MainActivity"
23            android:screenOrientation="portrait"
24            android:label="@string/app_name">
25
26            <intent-filter>
27
28                <action android:name="android.intent.action.CALL" />
29
30                <category android:name="android.intent.category.DEFAULT" />
31            </intent-filter>
32        </activity>
33        <activity
34            android:name=".Livingroom"
35            android:screenOrientation="portrait"
36            android:label="@string/app_name">
```

```

40     </activity>
41     <activity
42         android:name=".Kitchen"
43         android:screenOrientation="portrait"
44         android:label="@string/app_name">
45
46     </activity>
47     <activity
48         android:name=".Bathroom"
49         android:screenOrientation="portrait"
50         android:label="">
51
52     </activity>
53     <activity
54         android:name=".Workspace"
55         android:screenOrientation="portrait"
56         android:label="@string/app_name">
57
58     </activity>
59     <activity
60         android:name=".Diningroom"
61         android:screenOrientation="portrait"
62         android:label="@string/app_name">
63
64     </activity>
65     <activity
66         android:name=".Bedroom"
67         android:screenOrientation="portrait"
68         android:label="@string/app_name">
69
70     </activity>
71     <activity
72         android:name=".Garage"
73         android:screenOrientation="portrait"
74         android:label="@string/app_name">
75
76     </activity>
77     <activity
78         android:name=".Trace"
79         android:screenOrientation="portrait"
80         android:label="@string/app_name">
81
82     </activity>
83     <activity
84         android:name=".Help"
85         android:screenOrientation="portrait"
86         android:label="@string/app_name">
87
88     </activity>
89     <activity
90         android:name=".About"
91         android:screenOrientation="portrait"
92         android:label="Home Lux Meter">
93
94     </activity>
95 </application>
96
97 </manifest>

```



## About.java

```
1 About.java
2 package com.example.dor.smartluxmeter;
3
4 import android.app.Activity;
5 import android.os.Bundle;
6
7 public class About extends Activity {
8
9     @Override
10    public void onCreate(Bundle savedInstanceState) {
11        super.onCreate(savedInstanceState);
12        setContentView(R.layout.about);
13    }
14
15
16 }
```

## Help.java

```
19 Help.java
20 package com.example.dor.smartluxmeter;
21 import android.app.Activity;
22
23 import android.os.Bundle;
24
25
26 public class Help extends Activity {
27
28
29     @Override
30    public void onCreate(Bundle savedInstanceState) {
31        super.onCreate(savedInstanceState);
32        setContentView(R.layout.help);
33    }
34 }
```

## Launcher.java

```
36 Launcher.java
37 package com.example.dor.smartluxmeter;
38 import android.support.v7.app.AppCompatActivity;
39 import android.os.Bundle;
40 import android.content.Intent;
41
42 /**
43  * Created by dor on 10/18/2016.
44  */
45 public class Launcher extends AppCompatActivity {
46
47     @Override
48     protected void onCreate(Bundle savedInstanceState) {
49         super.onCreate(savedInstanceState);
50         setContentView(R.layout.launcher);
51         Thread th = new Thread(){
52             public void run(){
53                 try{
54                     sleep(2000);
55                 }
56                 catch(Exception e){
57                     e.printStackTrace();
58                 }
59                 finally{
60                     onPause();
61                     startActivity(new Intent("android.intent.action.CALL"));
62                 }
63             }
64         };
65         th.start();
66     }
67     @Override
68     public void onPause(){
69         super.onPause();
70         finish();
71     }
72
73 }
```

## Livingroom.java

```
1 Livingroom.java
2 package com.example.dor.smartluxmeter;
3 import android.app.Activity;
4 import android.hardware.Sensor;
5 import android.hardware.SensorEvent;
6 import android.hardware.SensorEventListener;
7 import android.hardware.SensorManager;
8 import android.os.Bundle;
9 import android.app.AlertDialog;
10 import android.widget.TextView;
11 import java.util.logging.Handler;
12 import java.util.logging.LogRecord;
13
14 public class Livingroom extends Activity {
15
16     private TextView lux;
17     private TextView area;
18     private TextView status;
19     private TextView clarification;
20
21     @Override
22     public void onCreate(Bundle savedInstanceState) {
23         super.onCreate(savedInstanceState);
24         setContentView(R.layout.livingroom);
25
26         lux = (TextView) findViewById(R.id.livingroom1);
27         area = (TextView) findViewById(R.id.livingroom2);
28         status = (TextView) findViewById(R.id.livingroom3);
29         clarification = (TextView) findViewById(R.id.livingroom4);
30         SensorManager mySensorManager = (SensorManager) getSystemService(SENSOR_SERVICE);
31
32         Sensor LightSensor = mySensorManager.getDefaultSensor(Sensor.TYPE_LIGHT);
33         if (LightSensor != null) {
34
35             mySensorManager.registerListener(
36                 LightSensorListener,
37                 LightSensor,
38                 SensorManager.SENSOR_STATUS_ACCURACY_HIGH);
```



```

41     }
42 }
43
44 private android.os.Handler result;
45 private final SensorEventListener LightSensorListener
46     = new SensorEventListener() {
47
48     @Override
49     public void onAccuracyChanged(Sensor sensor, int accuracy) {
50         // TODO Auto-generated method stub
51     }
52
53
54     @Override
55     public void onSensorChanged(SensorEvent event) {
56         if (event.sensor.getType() == Sensor.TYPE_LIGHT) {
57             lux.setText("" + event.values[0] / 4.35);
58         }
59         if (( + event.values[0] / 4.35) < 3 ) {
60             AlertDialog.Builder builder = new AlertDialog.Builder(Livingroom.this);
61             builder.setTitle("Perhatian");
62             builder.setMessage(" letakkan ponsel di tempat yang cukup cahaya !");
63             builder.setCancelable(true);
64
65             final AlertDialog dlg = builder.create();
66
67             dlg.show();
68             Handler mHandler = new handler();
69             Runnable mRunnable = new Runnable() {
70
71                 public void run() {
72                     if (dlg != null && dlg.isShowing()) dlg.dismiss();
73                 }
74             };
75             lux.postDelayed(mRunnable, 1000);
76         } else if (( + event.values[0] / 4.35) > 7 && ( + event.values[0] / 4.35) < 20) {
77
78             area.setText(" ");
79             status.setText(" ");
80             clarification.setText(" ");
81
82         } else if (( + event.values[0] / 4.35) > 20 && ( + event.values[0] / 4.35) < 50) {
83
84             area.setText(" ruang tamu ");
85             status.setText(" sangat buruk ");
86             clarification.setText(" pencahayaan sangat buruk, anda harus mengganti lampu antara 7 watt sampai 20 watt ");
87
88
89         } else if (( + event.values[0] / 4.35) > 60 && ( + event.values[0] / 4.35) < 99) {
90
91             area.setText(" ruang tamu ");
92             status.setText(" buruk ");
93             clarification.setText(" pencahayaan masih buruk, anda harus mengganti lampu antara 7 watt sampai 20 watt ");
94
95         } else if (( + event.values[0] / 4.682) > 100 && ( + event.values[0] / 4.682) < 118) {
96
97             area.setText(" ruang tamu");
98             status.setText(" masih buruk ");
99             clarification.setText(" pencahayaan masih buruk, ganti dengan lampu antara 7 watt sampai 20 watt ");
100
101         } else if (( + event.values[0] / 4.35) > 119 && ( + event.values[0] / 4.35) < 185) {
102
103
104             area.setText(" ruang tamu ");
105             status.setText(" range rendah ");
106             clarification.setText(" pencahayaan pada ruangan ini sudah ideal");
107
108         } else if (( + event.values[0] / 4.35) > 186 && ( + event.values[0] / 4.35) < 199) {
109
110
111             area.setText(" ruang tamu ");
112             status.setText("standar ");
113             clarification.setText(" pencahayaan pada ruangan ini sudah ideal ");
114
115         } else if (( + event.values[0] / 4.35) > 200 && ( + event.values[0] / 4.35) < 251) {

```

```
119         area.setText("ruang tamu ");
120         status.setText(" range maksimal ");
121         clarification.setText(" pencahayaan pada ruangan ini sudah ideal");
122
123
124     } else if (( + event.values[0] / 4.35) > 252 && ( + event.values[0] / 4.35) < 300) {
125
126
127         area.setText(" ruang tamu ");
128         status.setText(" berlebihan ");
129         clarification.setText(" cahaya terlalu terang , ganti lampu anda dengan lampu 7 watt sampai 20 watt ");
130
131     } else System.out.println();
132
133     }
134
135 };
136
137 private class handler extends Handler {
138     @Override
139     public void close() {
140
141     }
142
143     @Override
144     public void flush() {
145
146     }
147
148     @Override
149     public void publish(LogRecord record) {
150
151     }
152 }
153 }
```

## Mainactivity.java

```
154 Mainactivity.java
155 package com.example.dor.smartluxmeter;
156
157 import android.os.Bundle;
158
159 import android.app.Activity;
160 import android.app.AlertDialog;
161 import android.content.DialogInterface;
162 import android.content.Intent;
163 import android.view.View;
164 import android.widget.Button;
165
166 public class MainActivity extends Activity {
167
168     private Button imageButton;
169     private Button imageButton2;
170     private Button imageButton3;
171     private Button imageButton4;
172     private Button imageButton5;
173     private Button imageButton6;
174     private Button trace;
175     private Button garage;
176     private Button buttonexit;
177     private Button button2help;
178     private Button about;
179
180     @Override
181     public void onCreate(Bundle savedInstanceState) {
182         super.onCreate(savedInstanceState);
183         setContentView(R.layout.activity_main);
184         imageButton = (Button) findViewById(R.id.livingroom);
185         imageButton2 = (Button) findViewById(R.id.kitchen);
186         imageButton3 = (Button) findViewById(R.id.bathroom);
187         imageButton4 = (Button) findViewById(R.id.workspace);
188         imageButton5 = (Button) findViewById(R.id.diningroom);
189         imageButton6 = (Button) findViewById(R.id.bedroom);
190         garage = (Button) findViewById(R.id.garage);
191         trace = (Button) findViewById(R.id.trace);
192
193         buttonexit = (Button) findViewById(R.id.buttonexit);
194         button2help = (Button) findViewById(R.id.button2help);
195         about = (Button) findViewById(R.id.about);
196
197         imageButton.setOnClickListener(new View.OnClickListener() {
198
199             @Override
200             public void onClick(View v) {
201                 Intent i = new Intent(MainActivity.this, Livingroom.class);
202                 startActivity(i);
203             }
204         });
205         imageButton2.setOnClickListener(new View.OnClickListener() {
206
207             @Override
208             public void onClick(View v) {
209                 Intent i = new Intent(MainActivity.this, Kitchen.class);
210                 startActivity(i);
211             }
212         });
213         imageButton3.setOnClickListener(new View.OnClickListener() {
214
215             @Override
216             public void onClick(View v) {
217                 Intent i = new Intent(MainActivity.this, Bathroom.class);
218                 startActivity(i);
219             }
220         });
221         imageButton4.setOnClickListener(new View.OnClickListener() {
222
223             @Override
224             public void onClick(View v) {
225                 Intent i = new Intent(MainActivity.this, Workspace.class);
226                 startActivity(i);
227             }
228         });
229         imageButton5.setOnClickListener(new View.OnClickListener() {
```



```

231     @Override
232     public void onClick(View v) {
233         Intent i = new Intent(MainActivity.this, Diningroom.class);
234         startActivity(i);
235     }
236
237     });
238     imageButton6.setOnClickListener(new View.OnClickListener() {
239
240         @Override
241         public void onClick(View v) {
242             Intent i = new Intent(MainActivity.this, Bedroom.class);
243             startActivity(i);
244         }
245     });
246     garage.setOnClickListener(new View.OnClickListener() {
247
248         @Override
249         public void onClick(View v) {
250             Intent i = new Intent(MainActivity.this, Garage.class);
251             startActivity(i);
252         }
253     });
254     trace.setOnClickListener(new View.OnClickListener() {
255
256         @Override
257         public void onClick(View v) {
258             Intent i = new Intent(MainActivity.this, Trace.class);
259             startActivity(i);
260         }
261     });
262     button2help.setOnClickListener(new View.OnClickListener() {
263
264         @Override
265         public void onClick(View v) {
266             Intent i = new Intent(MainActivity.this, Help.class);
267
268         }
269     });
270     builder.setNegativeButton("no", new DialogInterface.OnClickListener() {
271
272         @Override
273         public void onClick(DialogInterface dialog, int which) {
274             // TODO Auto-generated method stub
275             dialog.cancel();
276         }
277     });
278     AlertDialog alert = builder.create();
279     alert.show();
280 }
281 }

```

## Drawable folder

### Colorbutton.xml

```
1 colorbutton.xml
2 <?xml version="1.0" encoding="utf-8"?>
3 <selector xmlns:android="http://schemas.android.com/apk/res/android">
4     <item android:state_pressed="true">
5         <shape>
6             <gradient android:angle="90" android:endColor="#000050" android:startColor="#0000E0" />
7             <stroke android:width="3dp" android:color="#303030" />
8             <corners android:radius="10dp" />
9             <padding android:bottom="10dp" android:left="10dp" android:right="10dp" android:top="10dp" />
10        </shape>
11    </item>
12
13    <item android:state_focused="true">
14        <shape>
15            <gradient android:angle="270" android:endColor="#500000" android:startColor="#e0b700" />
16            <stroke android:width="3dp" android:color="#303030" />
17            <corners android:radius="10dp" />
18            <padding android:bottom="10dp" android:left="10dp" android:right="10dp" android:top="10dp" />
19        </shape>
20    </item>
21
22    <item>
23        <shape>
24            <gradient android:angle="270" android:endColor="#45f2d5" android:startColor="#6aeedf" />
25            <stroke android:width="3dp" android:color="#898782" />
26            <corners android:radius="10dp" />
27            <padding android:bottom="10dp" android:left="10dp" android:right="10dp" android:top="10dp" />
28        </shape>
29    </item>
30 </selector>
```

## Value folder

### Style.xml

```
32 Value file
33 Styles.xml
34 <resources>
35
36     <!-- Base application theme. -->
37     <style name="AppTheme" parent="Base.Theme.AppCompat.Light">
38         <!-- Customize your theme here. -->
39         <item name="colorPrimary">@color/colorPrimary</item>
40         <item name="colorPrimaryDark">@color/colorPrimaryDark</item>
41         <item name="colorAccent">@color/colorAccent</item>
42     </style>
43
44 </resources>
```

### colors.xml

```
47 Colors.xml
48 <?xml version="1.0" encoding="utf-8"?>
49 <resources>
50     <color name="colorPrimary">#3F51B5</color>
51     <color name="colorPrimaryDark">#303F9F</color>
52     <color name="colorAccent">#FF4081</color>
53 </resources>
```