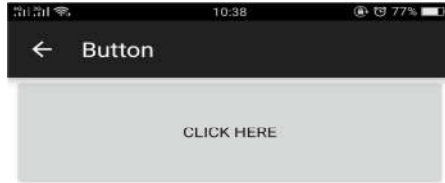# Lam 3: làm việc Views

1. Button

activity_main
LOCATION: res/layout/activity_main.xml

```xml
<LinearLayout xmlns:android="http:// schemas.android.com/apk/res/android"
android:layout_width="fill_parent"
android:layout_height="fill_parent"
android:orientation="vertical" >

<Button
android:id="@+id/button1"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Button"
android:layout_gravity="center_horizontal"/>

</LinearLayout>
```

MainActivity
LOCATION: java/MainActivity.java

```java
import android.app.Activity;
import android.content.Intent;
import android.net.Uri;
import android.os.Bundle;
import android.widget.Button;
import android.view.View;
import android.view.View.OnClickListener;

public class MyAndroidAppActivity extends Activity {

Button button;

@Override
public void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
```

```java
setContentView(R.layout.main);

addListenerOnButton();

}

public void addListenerOnButton() {

button = (Button) findViewById(R.id.button1);

button.setOnClickListener(new OnClickListener() {

@Override
public void onClick(View arg0) {

Intent browserIntent = new Intent(Intent.ACTION_VIEW,
Uri.parse("http://www.google.com"));
startActivity(browserIntent);

}
});
}
}
```
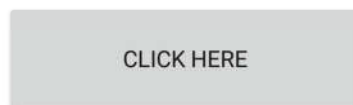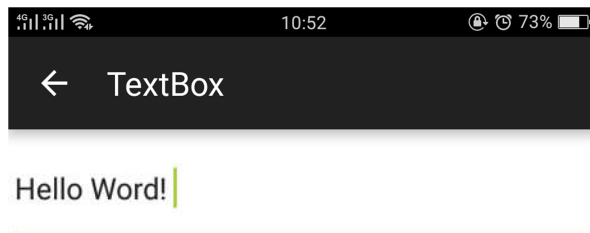
2. Textbox

activity_main
LOCATION: res/layout/activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http:// schemas.android.com/apk/res/android"
android:layout_width="fill_parent"
android:layout_height="fill_parent"
android:orientation="vertical" >

<EditText
android:id="@+id/editText"
android:text="Write Here"
android:layout_width="match_parent"
android:layout_height="wrap_content" />

<Button
android:layout_width="221dp"
android:layout_height="72dp"
android:text="Click Here"
android:id="@+id/button_new"
android:layout_gravity="center" />

</LinearLayout>
```

MainActivity
LOCATION: java/MainActivity.java

```java
import android.app.Activity;
import android.os.Bundle;
import android.view.KeyEvent;
import android.view.View;
import android.view.View.OnKeyListener;
import android.widget.EditText;
import android.widget.Toast;

public class MyAndroidAppActivity extends Activity {

EditText edittext;
Button button;

@Override
public void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.main);

addKeyListener();
}
```

```java
public void addKeyListener() {

edittext = (EditText) findViewById(R.id.editText);

button = (Button) findViewById(R.id.button_new);

button.setOnClickListener(new View.OnClickListener() {

@Override
public void onClick(View arg0) {

Toast.makeText(Textbox_UI.this,edittext.getText(), Toast.LENGTH_LONG).show();

}
});
}
}
```
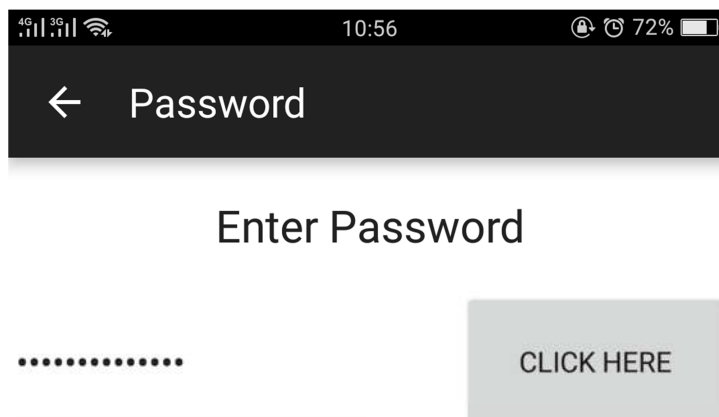3. Password

activity_main
LOCATION: res/layout/strings.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<resources>
<string name="app_name">MyAndroidApp</string>
<string name="lblPassword">Enter Your Password :</string>
<string name="btn_submit">Submit</string>
</resources>
```

activity_main
LOCATION: res/layout/activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http:// schemas.android.com/apk/res/android"
android:layout_width="fill_parent"
android:layout_height="fill_parent"
android:orientation="vertical" >

<TextView
android:id="@+id/lblPassword"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="@string/lblPassword"
android:textAppearance="?android:attr/textAppearanceLarge" />

<EditText
android:id="@+id/txtPassword"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:inputType="textPassword" >
<requestFocus />
</EditText>

<Button
android:id="@+id/btnSubmit"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="@string/btn_submit" />

</LinearLayout>
```

MainActivity
LOCATION: java/MainActivity.java

```java
import android.app.Activity;
import android.os.Bundle;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

public class MyAndroidAppActivity extends Activity {

private EditText password;
private Button btnSubmit;

@Override
public void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
```

```
setContentView(R.layout.main);

addListenerOnButton();
}
public void addListenerOnButton() {

password = (EditText) findViewById(R.id.txtPassword);
btnSubmit = (Button) findViewById(R.id.btnSubmit);

btnSubmit.setOnClickListener(new OnClickListener() {

@Override
public void onClick(View v) {

Toast.makeText(MyAndroidAppActivity.this,
password.getText(),Toast.LENGTH_SHORT).show();
}
});
}
}
```
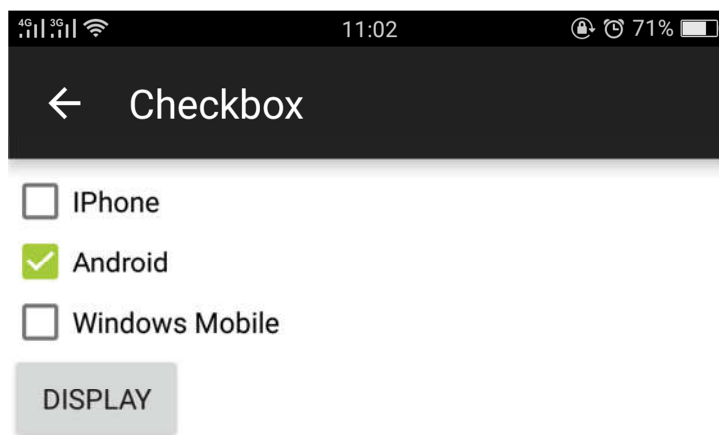
4. CheckBox

strings
LOCATION: res/layout/strings.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<resources>
<string name="hello">Hello World, MyAndroidAppActivity!</string>
<string name="app_name">MyAndroidApp</string>
<string name="chk_ios">IPhone</string>
<string name="chk_android">Android</string>
<string name="chk_windows">Windows Mobile</string>
```

```
<string name="btn_display">Display</string>
</resources>
```

activity_main
LOCATION: res/layout/activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http:// schemas.android.com/apk/res/android"
android:layout_width="fill_parent"
android:layout_height="fill_parent"
android:orientation="vertical" >

<CheckBox
android:id="@+id/chkIos"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="@string/chk_ios" />

<CheckBox
android:id="@+id/chkAndroid"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="@string/chk_android"
android:checked="true" />

<CheckBox
android:id="@+id/chkWindows"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="@string/chk_windows" />

<Button
android:id="@+id/btnDisplay"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="@string/btn_display" />

</LinearLayout>
```

MainActivity
LOCATION: java/MainActivity.java

```java
import android.app.Activity;
import android.os.Bundle;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;
import android.widget.CheckBox;
```

```java
import android.widget.Toast;

public class MyAndroidAppActivity extends Activity {

private CheckBox chkIos, chkAndroid, chkWindows;
private Button btnDisplay;

@Override
public void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.main);

addListenerOnChkIos();
addListenerOnButton();
}

public void addListenerOnChkIos() {

chkIos = (CheckBox) findViewById(R.id.chkIos);

chkIos.setOnClickListener(new OnClickListener() {

@Override
public void onClick(View v) {
//is chkIos checked?
if (((CheckBox) v).isChecked()) {
Toast.makeText(MyAndroidAppActivity.this,"Bro, try Android :)",
Toast.LENGTH_LONG).show();
}

}
});
}

public void addListenerOnButton() {

chkIos = (CheckBox) findViewById(R.id.chkIos);
chkAndroid = (CheckBox) findViewById(R.id.chkAndroid);
chkWindows = (CheckBox) findViewById(R.id.chkWindows);
btnDisplay = (Button) findViewById(R.id.btnDisplay);

btnDisplay.setOnClickListener(new OnClickListener() {

//Run when button is clicked
@Override
public void onClick(View v) {
StringBuffer result = new StringBuffer();
result.append("IPhone check : ").append(chkIos.isChecked());
```
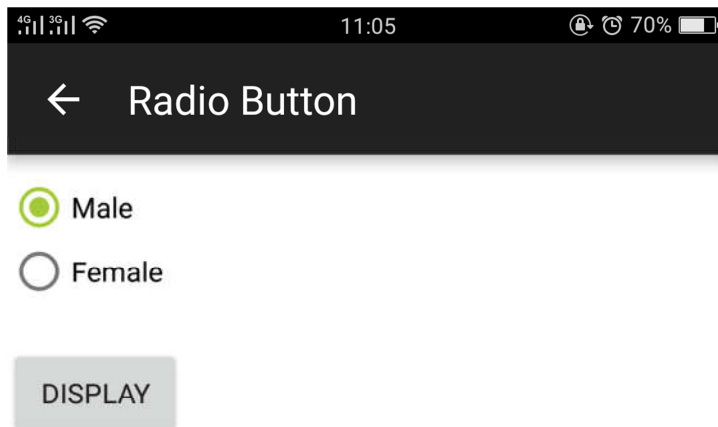
```
result.append("\nAndroid check : ").append(chkAndroid.isChecked());
result.append("\nWindows Mobile check :").append(chkWindows.isChecked());
Toast.makeText(MyAndroidAppActivity.this,
result.toString(),Toast.LENGTH_LONG).show();
}
});
}
}
```

5. RadioButton

string
LOCATION: res/layout/string.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<resources>
<string name="hello">Hello World, MyAndroidAppActivity!</string>
<string name="app_name">MyAndroidApp</string>
<string name="radio_male">Male</string>
<string name="radio_female">Female</string>
<string name="btn_display">Display</string>
</resources>
```

activity_main
LOCATION: res/layout/activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http:// schemas.android.com/apk/res/android"
android:layout_width="fill_parent"
android:layout_height="fill_parent"
android:orientation="vertical" >
```

```xml
<RadioGroup
android:id="@+id/radioSex"
android:layout_width="wrap_content"
android:layout_height="wrap_content" >

<RadioButton
android:id="@+id/radioMale"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="@string/radio_male"
android:checked="true" />

<RadioButton
android:id="@+id/radioFemale"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="@string/radio_female" />
</RadioGroup>

<Button
android:id="@+id/btnDisplay"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="@string/btn_display" />

</LinearLayout>
```

MainActivity
LOCATION: java/MainActivity.java

```java
import android.app.Activity;
import android.os.Bundle;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;
import android.widget.RadioButton;
import android.widget.RadioGroup;
import android.widget.Toast;

public class MyAndroidAppActivity extends Activity {

private RadioGroup radioSexGroup;
private RadioButton radioSexButton;
private Button btnDisplay;

@Override
public void onCreate(Bundle savedInstanceState) {
```

```java
super.onCreate(savedInstanceState);
setContentView(R.layout.main);

addListenerOnButton();

}

public void addListenerOnButton() {

radioSexGroup = (RadioGroup) findViewById(R.id.radioSex);
btnDisplay = (Button) findViewById(R.id.btnDisplay);

btnDisplay.setOnClickListener(new OnClickListener() {

@Override
public void onClick(View v) {

// get selected radio button from radioGroup
int selectedId = radioSexGroup.getCheckedRadioButtonId();

// find the radiobutton by returned id
radioSexButton = (RadioButton) findViewById(selectedId);

Toast.makeText(MyAndroidAppActivity.this,
radioSexButton.getText(), Toast.LENGTH_SHORT).show();
}
});
}
}
```
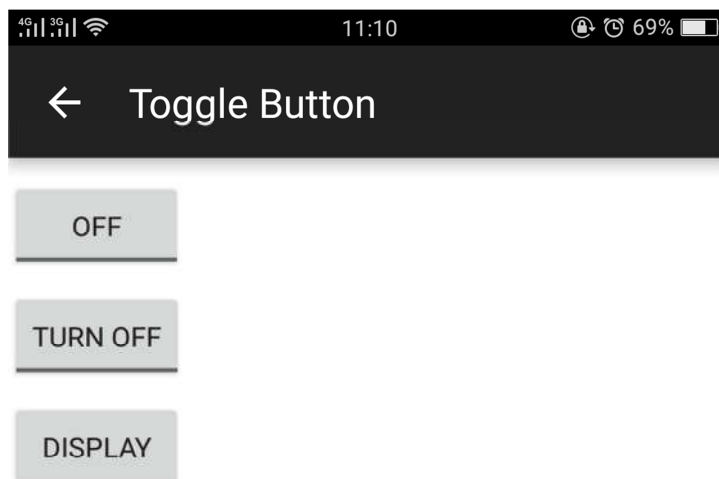
6. Toggle Button

strings
LOCATION: res/layout/strings.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<resources>
<string name="app_name">MyAndroidApp</string>
<string name="toggle_turn_on">Turn On</string>
<string name="toggle_turn_off">Turn Off</string>
<string name="btn_display">Display</string>
</resources>
```

activity_main
LOCATION: res/layout/activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http:// schemas.android.com/apk/res/android"
android:layout_width="fill_parent"
android:layout_height="fill_parent"
android:orientation="vertical" >

<ToggleButton
android:id="@+id/toggleButton1"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="ToggleButton" />

<ToggleButton
android:id="@+id/toggleButton2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:textOn="@string/toggle_turn_on"
android:textOff="@string/toggle_turn_off"
android:checked="true" />

<Button
android:id="@+id/btnDisplay"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="@string/btn_display" />

</LinearLayout>
```

MainActivity
LOCATION: java/MainActivity.java

```java
import android.app.Activity;
import android.os.Bundle;
```

```
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;
import android.widget.Toast;
import android.widget.ToggleButton;

public class MyAndroidAppActivity extends Activity {

private ToggleButton toggleButton1, toggleButton2;
private Button btnDisplay;

@Override
public void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.main);

addListenerOnButton();

}

public void addListenerOnButton() {

toggleButton1 = (ToggleButton) findViewById(R.id.toggleButton1);
toggleButton2 = (ToggleButton) findViewById(R.id.toggleButton2);
btnDisplay = (Button) findViewById(R.id.btnDisplay);

btnDisplay.setOnClickListener(new OnClickListener() {

@Override
public void onClick(View v) {

StringBuffer result = new StringBuffer();
result.append("toggleButton1 : ").append(toggleButton1.getText());
result.append("\ntoggleButton2 : ").append(toggleButton2.getText());

Toast.makeText(MyAndroidAppActivity.this, result.toString(),
Toast.LENGTH_SHORT).show();
}
});
}
}
```
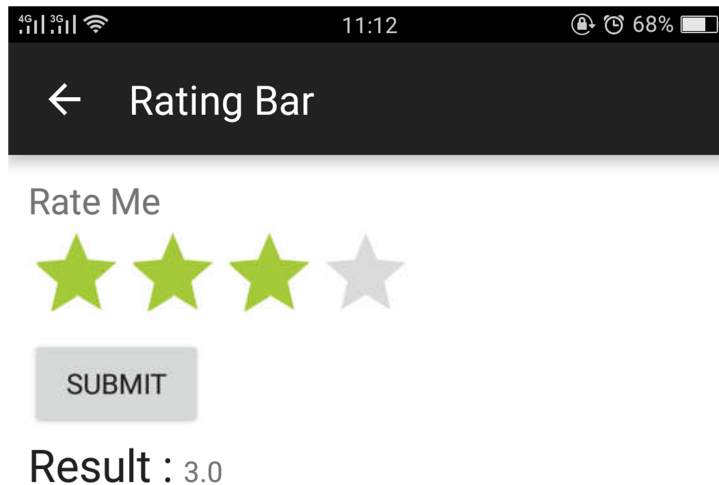
7. Rating bar

Rate Me

★ ★ ★ ★

SUBMIT

Result : 3.0

activity_main
LOCATION: res/layout/activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http:// schemas.android.com/apk/res/android"
android:layout_width="fill_parent"
android:layout_height="fill_parent"
android:orientation="vertical" >

<TextView
android:id="@+id/lblRateMe"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Rate Me"
android:textAppearance="?android:attr/textAppearanceMedium" />

<RatingBar
android:id="@+id/ratingBar"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:numStars="4"
android:stepSize="1.0"
android:rating="2.0" />

<Button
android:id="@+id/btnSubmit"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Submit" />

<LinearLayout
```

```xml
android:id="@+id/linearLayout1"
android:layout_width="match_parent"
android:layout_height="wrap_content" >

<TextView
android:id="@+id/lblResult"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Result : "
android:textAppearance="?android:attr/textAppearanceLarge" />

<TextView
android:id="@+id/txtRatingValue"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text=""
android:textAppearance="?android:attr/textAppearanceSmall" />

</LinearLayout>

</LinearLayout>
```

MainActivity
LOCATION: java/MainActivity.java

```java
import android.app.Activity;
import android.os.Bundle;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;
import android.widget.RatingBar;
import android.widget.RatingBar.OnRatingBarChangeListener;
import android.widget.TextView;
import android.widget.Toast;

public class MyAndroidAppActivity extends Activity {

private RatingBar ratingBar;
private TextView txtRatingValue;
private Button btnSubmit;

@Override
public void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.main);

addListenerOnRatingBar();
addListenerOnButton();
```

```
}

public void addListenerOnRatingBar() {

ratingBar = (RatingBar) findViewById(R.id.ratingBar);
txtRatingValue = (TextView) findViewById(R.id.txtRatingValue);

//if rating value is changed,
//display the current rating value in the result (textview) automatically
ratingBar.setOnRatingBarChangeListener(new OnRatingBarChangeListener() {
public void onRatingChanged(RatingBar ratingBar, float rating,boolean fromUser) {

txtRatingValue.setText(String.valueOf(rating));

}
});
}

public void addListenerOnButton() {

ratingBar = (RatingBar) findViewById(R.id.ratingBar);
btnSubmit = (Button) findViewById(R.id.btnSubmit);

//if click on me, then display the current rating value.
btnSubmit.setOnClickListener(new OnClickListener() {

@Override
public void onClick(View v) {

Toast.makeText(MyAndroidAppActivity.this,
String.valueOf(ratingBar.getRating()),
Toast.LENGTH_SHORT).show();
}
});
}
}
```
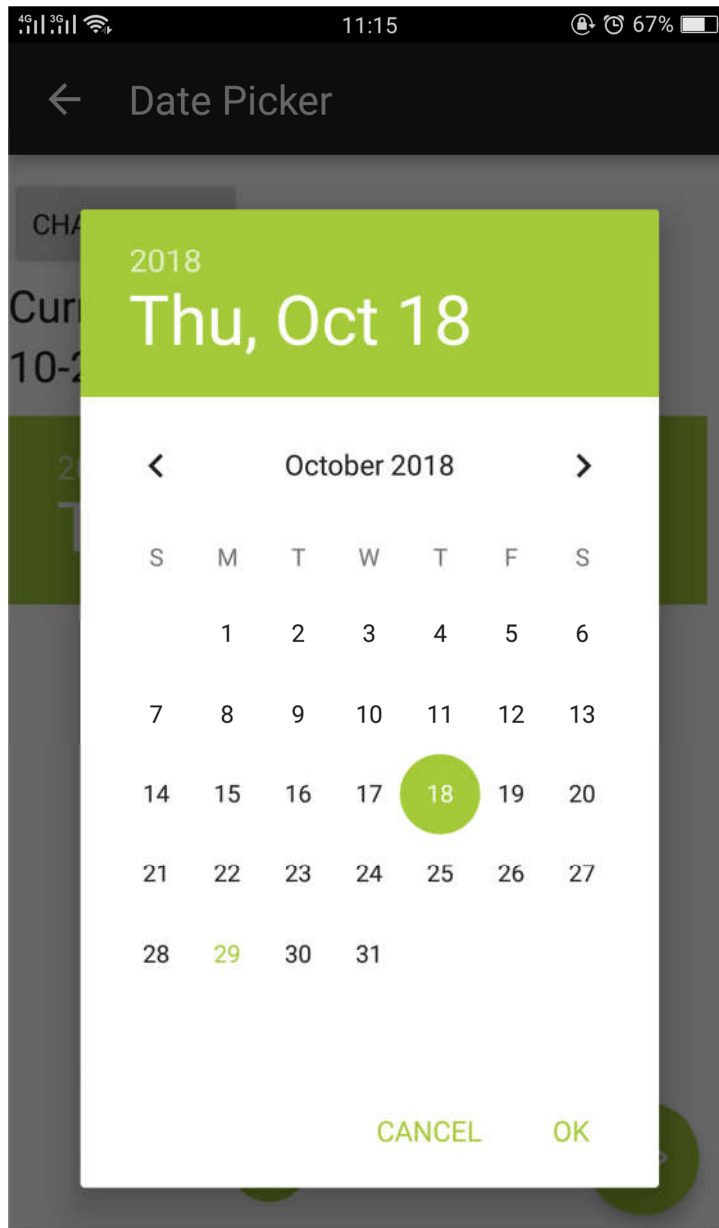
8. Date Picker

CHANGE DATE

Current Date (M-D-YYYY):
10-29-2018

2018
Mon, Oct 29

‹ October 2018 ›

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

activity_main
LOCATION: res/layout/activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http:// schemas.android.com/apk/res/android"
android:layout_width="fill_parent"
android:layout_height="fill_parent"
android:orientation="vertical" >

<Button
android:id="@+id/btnChangeDate"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
```

```xml
    android:text="Change Date" />

    <TextView
    android:id="@+id/lblDate"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Current Date (M-D-YYYY): "
    android:textAppearance="?android:attr/textAppearanceLarge" />

    <TextView
    android:id="@+id/tvDate"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text=""
    android:textAppearance="?android:attr/textAppearanceLarge" />

    <DatePicker
    android:id="@+id/dpResult"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content" />

</LinearLayout>
```

MainActivity
LOCATION: java/MainActivity.java

```java
import java.util.Calendar;
import android.app.Activity;
import android.app.DatePickerDialog;
import android.app.Dialog;
import android.os.Bundle;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;
import android.widget.DatePicker;
import android.widget.TextView;

public class MyAndroidAppActivity extends Activity {

private TextView tvDisplayDate;
private DatePicker dpResult;
private Button btnChangeDate;

private int year;
private int month;
private int day;

static final int DATE_DIALOG_ID = 999;
```

```java
@Override
public void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.main);

setCurrentDateOnView();
addListenerOnButton();

}
// display current date
public void setCurrentDateOnView() {

tvDisplayDate = (TextView) findViewById(R.id.tvDate);
dpResult = (DatePicker) findViewById(R.id.dpResult);

final Calendar c = Calendar.getInstance();
year = c.get(Calendar.YEAR);
month = c.get(Calendar.MONTH);
day = c.get(Calendar.DAY_OF_MONTH);

// set current date into textview
tvDisplayDate.setText(new StringBuilder()

// Month is 0 based, just add 1
.append(month + 1).append("-").append(day).append("-")
.append(year).append(" "));

// set current date into datepicker
dpResult.init(year, month, day, null);

}

public void addListenerOnButton() {

btnChangeDate = (Button) findViewById(R.id.btnChangeDate);

btnChangeDate.setOnClickListener(new OnClickListener() {

@Override
public void onClick(View v) {

showDialog(DATE_DIALOG_ID);
}
});
}
@Override
protected Dialog onCreateDialog(int id) {
switch (id) {
```

```
        case DATE_DIALOG_ID:

        // set date picker as current date
        return new DatePickerDialog(this, datePickerListener,year, month,day);
        }
        return null;
        }
        private DatePickerDialog.OnDateSetListener datePickerListener = new
        DatePickerDialog.OnDateSetListener() {

        // when dialog box is closed, below method will be called.
        public void onDateSet(DatePicker view, int selectedYear,
        int selectedMonth, int selectedDay) {
        year = selectedYear;
        month = selectedMonth;
        day = selectedDay;

        // set selected date into textview
        tvDisplayDate.setText(new StringBuilder().append(month + 1)
        .append("-").append(day).append("-").append(year)
        .append(" "));

        // set selected date into datepicker also
        dpResult.init(year, month, day, null);
        }
        };
        }
```
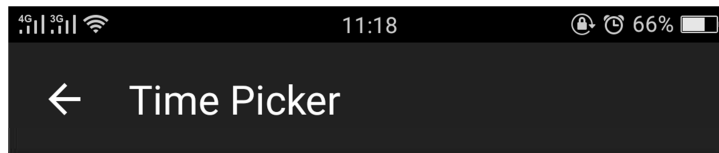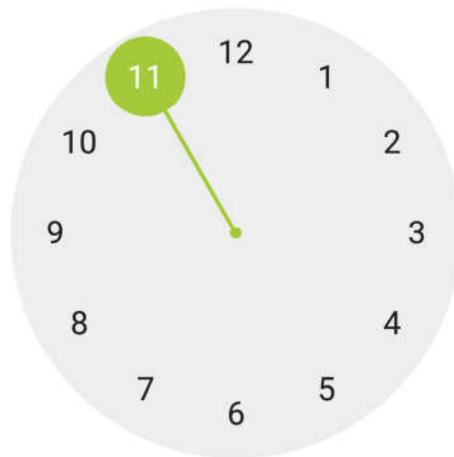
9. Time Picker

activity_main
LOCATION: res/layout/activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http:// schemas.android.com/apk/res/android"
android:layout_width="fill_parent"
android:layout_height="fill_parent"
android:orientation="vertical" >

<Button
android:id="@+id/btnChangeTime"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Change Time" />

<TextView
```

```
android:id="@+id/lblTime"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Current Time (H:M): "
android:textAppearance="?android:attr/textAppearanceLarge" />

<TextView
android:id="@+id/tvTime"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text=""
android:textAppearance="?android:attr/textAppearanceLarge" />

<TimePicker
android:id="@+id/timePicker1"
android:layout_width="wrap_content"
android:layout_height="wrap_content" />

</LinearLayout>
```

MainActivity
LOCATION: java/MainActivity.java

```
import java.util.Calendar;
import android.app.Activity;
import android.app.Dialog;
import android.app.TimePickerDialog;
import android.os.Bundle;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;
import android.widget.TextView;
import android.widget.TimePicker;

public class MyAndroidAppActivity extends Activity {

private TextView tvDisplayTime;
private TimePicker timePicker1;
private Button btnChangeTime;

private int hour;
private int minute;

static final int TIME_DIALOG_ID = 999;

@Override
public void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
```

```java
setContentView(R.layout.main);

setCurrentTimeOnView();
addListenerOnButton();

}

// display current time
public void setCurrentTimeOnView() {

tvDisplayTime = (TextView) findViewById(R.id.tvTime);
timePicker1 = (TimePicker) findViewById(R.id.timePicker1);

final Calendar c = Calendar.getInstance();
hour = c.get(Calendar.HOUR_OF_DAY);
minute = c.get(Calendar.MINUTE);

// set current time into textview
tvDisplayTime.setText(new StringBuilder().append(pad(hour)).append(":").
append(pad(minute)));

// set current time into timepicker
timePicker1.setCurrentHour(hour);
timePicker1.setCurrentMinute(minute);

}

public void addListenerOnButton() {

btnChangeTime = (Button) findViewById(R.id.btnChangeTime);
btnChangeTime.setOnClickListener(new OnClickListener() {

@Override
public void onClick(View v) {

showDialog(TIME_DIALOG_ID);

}
});
}

@Override
protected Dialog onCreateDialog(int id) {
switch (id) {
case TIME_DIALOG_ID:

// set time picker as current time
return new TimePickerDialog(this, timePickerListener, hour, minute,false);
```

```
}
return null;
}

private TimePickerDialog.OnTimeSetListener timePickerListener = new
TimePickerDialog.OnTimeSetListener() {
public void onTimeSet(TimePicker view, int selectedHour,int selectedMinute) {
hour = selectedHour;
minute = selectedMinute;

// set current time into textview
tvDisplayTime.setText(new StringBuilder().append(pad(hour)).append(":").
append(pad(minute)));

// set current time into timepicker
timePicker1.setCurrentHour(hour);
timePicker1.setCurrentMinute(minute);

}
};

private static String pad(int c) {
if (c >= 10)
return String.valueOf(c);
else
return "0" + String.valueOf(c);
}
}
```
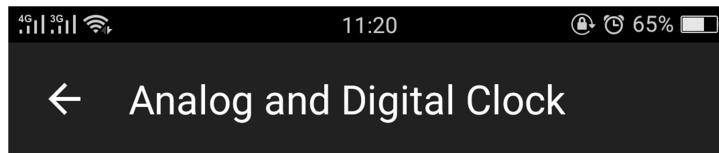
10. Đồng hồ analog và digital

Analog Clock

Digital Clock

11:20

activity_main
LOCATION: res/layout/activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http:// schemas.android.com/apk/res/android"
android:layout_width="fill_parent"
android:layout_height="fill_parent"
android:orientation="vertical" >

<TextView
android:id="@+id/textView1"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Analog Clock"
android:textAppearance="?android:attr/textAppearanceLarge" />

<AnalogClock
android:id="@+id/analogClock1"
android:layout_width="wrap_content"
android:layout_height="wrap_content" />

<TextView
android:id="@+id/textView2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Digital Clock"
android:textAppearance="?android:attr/textAppearanceLarge" />
```

```xml
<<DigitalClock
android:id="@+id/digitalClock1"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="DigitalClock" />

</LinearLayout>
```

MainActivity
LOCATION: java/MainActivity.java

```java
import android.app.Activity;
import android.os.Bundle;
import android.widget.AnalogClock;
import android.widget.DigitalClock;

public class MyAndroidAppActivity extends Activity {

@Override
public void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.main);

AnalogClock ac = (AnalogClock) findViewById(R.id.analogClock1);
//what can i do with AnalogClock?

DigitalClock dc = (DigitalClock) findViewById(R.id.digitalClock1);
//what can i do with DigitalClock also? for display only
}
}
```