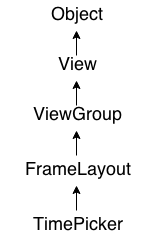
Android TimePicker Example



**Android TimePicker** widget is used to select date. It allows you to select time by hour and minute. You cannot select time by seconds.

The android.widget.TimePicker is the subclass of FrameLayout class.

Android TimePicker Example

Let's see a simple example of android time picker.

**activity\_main.xml**

***File: activity\_main.xml***

**<RelativeLayout** xmlns:androclass="http://schemas.android.com/apk/res/android"

    xmlns:tools="http://schemas.android.com/tools"

    android:layout\_width="match\_parent"

    android:layout\_height="match\_parent"

    tools:context=".MainActivity" **>**

**<TimePicker**

        android:id="@+id/timePicker1"

        android:layout\_width="wrap\_content"

        android:layout\_height="wrap\_content"

        android:layout\_alignParentTop="true"

        android:layout\_centerHorizontal="true"

        android:layout\_marginTop="86dp" **/>**

**<TextView**

        android:id="@+id/textView1"

        android:layout\_width="wrap\_content"

        android:layout\_height="wrap\_content"

        android:layout\_alignLeft="@+id/timePicker1"

        android:layout\_alignParentTop="true"

        android:layout\_marginTop="17dp"

        android:text="Current Time:" **/>**

**<Button**

        android:id="@+id/button1"

        android:layout\_width="wrap\_content"

        android:layout\_height="wrap\_content"

        android:layout\_alignLeft="@+id/timePicker1"

        android:layout\_below="@+id/timePicker1"

        android:layout\_marginLeft="37dp"

        android:layout\_marginTop="55dp"

        android:text="Change Time" **/>**

**</RelativeLayout>**

**Activity class**

***File: MainActivity.java***

**package** com.example.timepicker1;

**import** android.os.Bundle;

**import** android.app.Activity;

**import** android.view.Menu;

**import** android.view.View;

**import** android.view.View.OnClickListener;

**import** android.widget.Button;

**import** android.widget.TextView;

**import** android.widget.TimePicker;

**import** android.widget.Toast;

**public** **class** MainActivity **extends** Activity {

    TextView textview1;

    TimePicker timepicker1;

    Button changetime;

    @Override

**protected** **void** onCreate(Bundle savedInstanceState) {

**super**.onCreate(savedInstanceState);

        setContentView(R.layout.activity\_main);

        textview1=(TextView)findViewById(R.id.textView1);

        timepicker1=(TimePicker)findViewById(R.id.timePicker1);

        //Uncomment the below line of code for 24 hour view

        timepicker1.setIs24HourView(**true**);

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

        textview1.setText(getCurrentTime());

        changetime.setOnClickListener(**new** OnClickListener(){

            @Override

**public** **void** onClick(View view) {

                 textview1.setText(getCurrentTime());

            }

        });

    }

**public** String getCurrentTime(){

        String currentTime="Current Time: "+timepicker1.getCurrentHour()+":"+timepicker1.getCurrentMinute();

**return** currentTime;

    }

    @Override

**public** **boolean** onCreateOptionsMenu(Menu menu) {

        // Inflate the menu; this adds items to the action bar if it is present.

        getMenuInflater().inflate(R.menu.activity\_main, menu);

**return** **true**;

    }

}

Prepared By: Prof. Kamlesh A. Meshram