Develop an android mobile application display time, date and image

MainActivity.java

```java
package com.indran.datetimeimage;

import android.content.Intent;
import android.graphics.Bitmap;
import android.graphics.BitmapFactory;
import android.media.Image;
import android.net.Uri;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.ImageView;
import android.widget.TextView;
import android.widget.Toast;

import java.io.FileNotFoundException;
import java.io.InputStream;
import java.text.SimpleDateFormat;
import java.util.Calendar;

public class MainActivity extends AppCompatActivity {
    TextView date, time;
    ImageView image ;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        date = (TextView) findViewById(R.id.date);
        time = (TextView) findViewById(R.id.time);
        image = (ImageView) findViewById(R.id.image);



        Calendar c = Calendar.getInstance();
        SimpleDateFormat df = new SimpleDateFormat("dd-MM-yyyy");
        String formattedDate = df.format(c.getTime());
        date.setText(formattedDate);

        df = new SimpleDateFormat("HH:mm:ss");
        formattedDate = df.format(c.getTime());
        time.setText(formattedDate);
```

```java
    }

    public void selectImage(View view) {

        Intent photoPickerIntent = new Intent(Intent.ACTION_PICK);
        photoPickerIntent.setType("image/*");
        startActivityForResult(photoPickerIntent, RESULT_LOAD_IMG);



    }

    @Override
    protected void onActivityResult(int reqCode, int resultCode, Intent data) {
        super.onActivityResult(reqCode, resultCode, data);


        if (resultCode == RESULT_OK) {
            try {
                final Uri imageUri = data.getData();
                final InputStream imageStream = getContentResolver().openInputStream(imageUri);
                final Bitmap selectedImage = BitmapFactory.decodeStream(imageStream);
                image.setImageBitmap(selectedImage);
            } catch (FileNotFoundException e) {
                e.printStackTrace();
                Toast.makeText(MainActivity.this, "Something went wrong",
Toast.LENGTH_LONG).show();
            }

        }else {
            Toast.makeText(MainActivity.this, "You haven't picked
Image",Toast.LENGTH_LONG).show();
        }
    }
    private int RESULT_LOAD_IMG = 1;
}
```

activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
```

```xml
        android:layout_height="match_parent"
        tools:context="com.indran.datetimeimage.MainActivity">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_alignParentLeft="true"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:layout_marginTop="30dp"
        android:orientation="vertical">

        <TextView
            android:id="@+id/textView3"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Output"
            android:textSize="30dp"
            android:layout_gravity="center"
            android:gravity="center"/>

        <RelativeLayout
            android:layout_width="match_parent"
            android:layout_marginTop="30dp"
            android:layout_marginHorizontal="50dp"
            android:layout_height="wrap_content">
            <TextView
                android:id="@+id/x1"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:text="Date"/>
            <TextView
                android:layout_toRightOf="@+id/x1"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:gravity="right"
                android:textSize="20dp"
                android:id="@+id/date"

                android:text=""/>
        </RelativeLayout>
        <RelativeLayout
            android:layout_width="match_parent"
            android:layout_marginTop="30dp"
            android:layout_marginHorizontal="50dp"
            android:layout_height="wrap_content">
            <TextView
                android:id="@+id/x2"
                android:layout_width="wrap_content"
```

```xml
            android:layout_height="wrap_content"
            android:text="Time"/>
        <TextView
            android:layout_toRightOf="@+id/x2"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:gravity="right"
            android:textSize="20dp"
            android:id="@+id/time"

            android:text=""/>
    </RelativeLayout>

    <RelativeLayout
    android:layout_width="match_parent"
    android:layout_marginTop="30dp"
    android:layout_marginHorizontal="50dp"
        android:layout_marginBottom="30dp"
    android:layout_height="match_parent">


        <Button
            android:id="@+id/button"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_alignParentTop="true"
            android:layout_centerHorizontal="true"
            android:text="select image"
            android:onClick="selectImage"/>

        <ImageView
            android:layout_marginTop="10dp"
            android:id="@+id/image"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_below="@+id/button"
            android:layout_centerHorizontal="true"
            app:srcCompat="@mipmap/ic_launcher" />
    </RelativeLayout>

    </LinearLayout>
</RelativeLayout>
```

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import android.graphics.BitmapFactory;
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import android.net.Uri;
import android.view.View;
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import android.widget.TextView;
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        SimpleDateFormat df = new SimpleDateFormat("dd-MM-yyyy");
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        date.setText(formattedDate);

        df = new SimpleDateFormat("HH:mm:ss");
        formattedDate = df.format(c.getTime());
        time.setText(formattedDate);




    }
```

```java
    public void selectImage(View view) {

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    protected void onActivityResult(int reqCode, int resultCode, Intent data) {
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        if (resultCode == RESULT_OK) {
            try {
                final Uri imageUri = data.getData();
                final InputStream imageStream = getContentResolver().openInputStream(imageUri);
                final Bitmap selectedImage = BitmapFactory.decodeStream(imageStream);
                image.setImageBitmap(selectedImage);
            } catch (FileNotFoundException e) {
                e.printStackTrace();
                Toast.makeText(MainActivity.this, "Something went wrong",
Toast.LENGTH_LONG).show();
            }

        }else {
            Toast.makeText(MainActivity.this, "You haven't picked
Image",Toast.LENGTH_LONG).show();
        }
    }
    private int RESULT_LOAD_IMG = 1;
}
```

activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    tools:context="com.indran.datetimeimage.MainActivity">

    <LinearLayout >

        <TextView
            android:text="Output" />

        <RelativeLayout >
```

```xml
        <TextView
            android:text="Date"/>
        <TextView
            android:id="@+id/date" />
    </RelativeLayout>
    <RelativeLayout >
        <TextView
            android:text="Time"/>
        <TextView
            android:id="@+id/time" />
    </RelativeLayout>

    <RelativeLayout >


        <Button
            android:text="select image"
            android:onClick="selectImage"/>

        <ImageView
            android:id="@+id/image"  />
    </RelativeLayout>

  </LinearLayout>
</RelativeLayout>
```

Date Time Image

Output

Date   04-04-2018

Time   05:04:05

SELECT IMAGE