HYBRID APPLICATION DEVELOPMENT LAB

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Alertdialog, Imageview and Listview Demo

Alert dialogue

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</p>
  xmlns:app="http://schemas.android.com/apk/res-auto"
  xmlns:tools="http://schemas.android.com/tools"
  android:layout width="match parent"
  android:layout_height="match_parent"
  tools:context=".MainActivity"
  android:orientation="vertical">
  <TextView
    android:id="@+id/textView"
    android:layout width="290dp"
    android:layout_height="wrap_content"
    android:text="ALERT MESSAGE"
    app:layout constraintBottom toBottomOf="parent"
    app:layout constraintEnd toEndOf="parent"
    app:layout_constraintHorizontal bias="0.498"
    app:layout constraintStart toStartOf="parent"
    app:layout constraintTop toTopOf="parent"
    android:textSize="20dp"
    app:layout constraintVertical bias="0.179" />
  <Button
    android:layout width="match parent"
    android:layout height="wrap content"
    android:id="@+id/alert"
    android:layout_marginRight="30dp"
    android:layout marginLeft="30dp"
    android:text="CLICK HERE TO ALERT"
    />
```

</LinearLayout>

Mainactivity.java

```
package com.example.alert;
import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;
import android.content.DialogInterface;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
  Button alertButton;
  @Override
  protected void onCreate(Bundle savedInstanceState) {
     super.onCreate(savedInstanceState);
     setContentView(R.layout.activity_main);
     alertButton = findViewByld(R.id.alert);
     alertButton.setOnClickListener(new View.OnClickListener() {
       @Override
       public void onClick(View view) {
          alertButton = findViewById(R.id.alert);
       alertButton.setOnClickListener(new View.OnClickListener() {
          @Override
          public void onClick(View view) {
            AlertDialog.Builder builder = new AlertDialog.Builder(MainActivity.this);
            builder.setIcon(R.drawable.ic_launcher_background);
            builder.setTitle("Alert Title");
            builder.setMessage("Shall I Close this window, Y/N?");
            builder.setPositiveButton("Yes", new DialogInterface.OnClickListener() {
               @Override
               public void onClick(DialogInterface dialogInterface, int which) {
                 Toast.makeText(MainActivity.this, "you have pressed yes",
Toast.LENGTH_SHORT).show();
            builder.setNegativeButton("No", new DialogInterface.OnClickListener() {
               public void onClick(DialogInterface dialogInterface, int which) {finish();}} );
            AlertDialog alertDialog =builder.create();alertDialog.show(); }
                          }
       ); }
                        }
     ); }
}
```

OUTPUT:





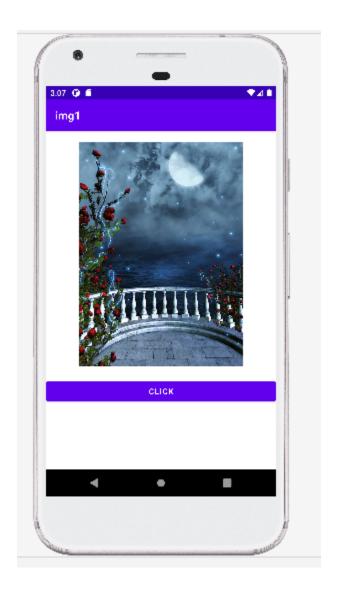
Image View

```
Activity main.xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</p>
  xmlns:app="http://schemas.android.com/apk/res-auto"
  xmlns:tools="http://schemas.android.com/tools"
  android:layout_width="match_parent"
  android:layout_height="match_parent"
  android:orientation="vertical"
  tools:context=".MainActivity">
  <lmageView
    android:id="@+id/myImg"
    android:layout width="match parent"
    android:layout_height="400dp"
    android:layout margin="20dp"
    android:src="@drawable/ch1"
    app:layout constraintBottom toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout constraintStart toStartOf="parent"
    app:layout constraintTop toTopOf="parent" />
  <Button
    android:id="@+id/click"
    android:layout width="match parent"
    android:layout height="wrap content"
    android:text="click"
    tools:layout editor absoluteX="20dp"
    tools:layout editor absoluteY="631dp" />
</LinearLayout>
Mainactivity.java
package com.example.img1;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.ImageView;
public class MainActivity extends AppCompatActivity {
  ImageView imageView;
  Button change;
  int flag = 1;
```

```
@Override
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    imageView = findViewById(R.id.myImg);
    change = findViewById(R.id.click);
    change.setOnClickListener(new View.OnClickListener() {
       @Override
       public void onClick(View view) {
         if(flag==1){
           imageView.setImageResource(R.drawable.ch1);
           flag=2;
         }else {
           imageView.setImageResource(R.drawable.ch2);
           flag = 1;
         }}
    });
  }
}
```

Output





ListView

activity_main.xml

android:id="@+id/list"/>

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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"
    android:layout_height="match_parent"
    tools:context=".MainActivity"
    android:orientation="vertical">

<ListView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"</p>
```

```
</LinearLayout>
  </LinearLayout>
Mainactivity.java
package com.example.listview 403;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.ArrayAdapter;
import android.widget.ListView;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
  ListView myList;
  String countryList[];
  @Override
  protected void onCreate(Bundle savedInstanceState) {
     super.onCreate(savedInstanceState);
     setContentView(R.layout.activity_main);
     myList = findViewById(R.id.list);
     countryList = getResources().getStringArray(R.array.country);
     ArrayAdapter<String> arrayAdapter = new
         ArrayAdapter<String>(this, R.layout.textview_layout,
         countryList);
     myList.setAdapter(arrayAdapter);
     myList.setOnItemClickListener(new AdapterView.OnItemClickListener() {
       public void onItemClick(AdapterView<?> adapterView, View view, int i, long I) {
         Toast.makeText(MainActivity.this, "You have\n" +
              " \n" +
               "clicked:", Toast.LENGTH_SHORT).show();
       }
    });
  }
}
strings.xml
<resources>
  <string name="app name">listview 403</string>
  <string-array name="country">
     <item>India</item>
     <item>China</item>
     <item>Pakistan</item>
     <item>USA</item>
     <item>UK</item>
  </string-array>
```

</resources>

Output

