

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"
    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 = findViewById(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() {
                            @Override
                            public void onClick(DialogInterface dialogInterface, int which) {finish();});
                        AlertDialog alertDialog =builder.create();alertDialog.show();
                    }
                });
            }
        });
    }
}
```

OUTPUT:

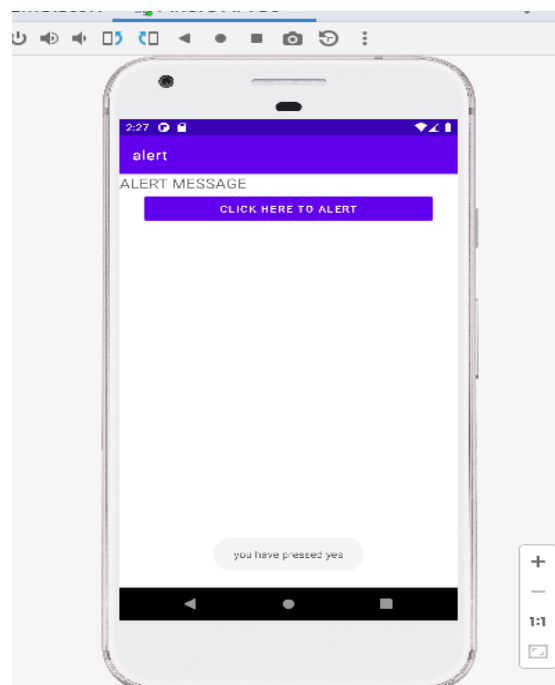
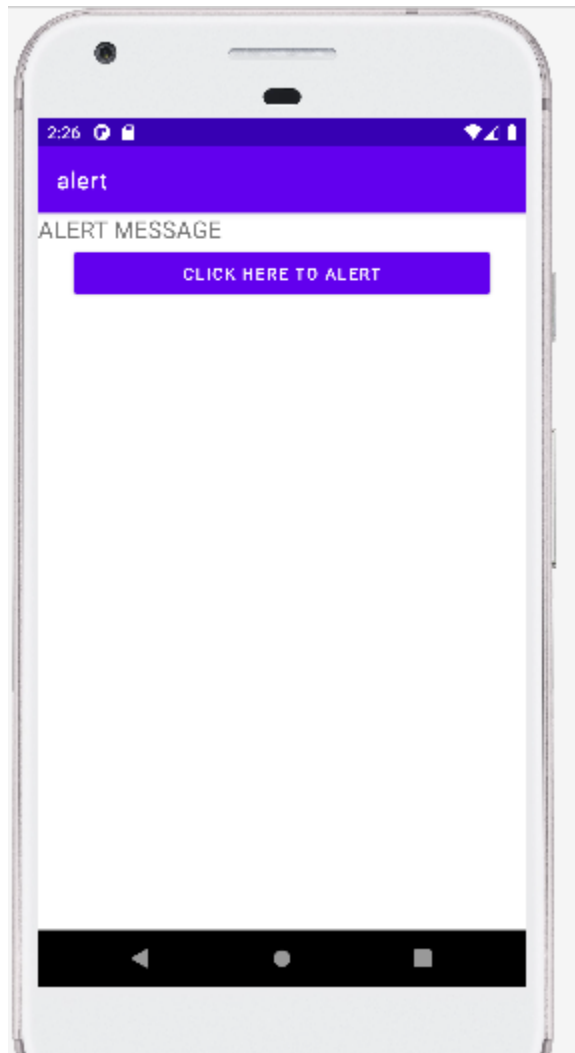


Image View

Activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    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">
    <ImageView
        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;
```

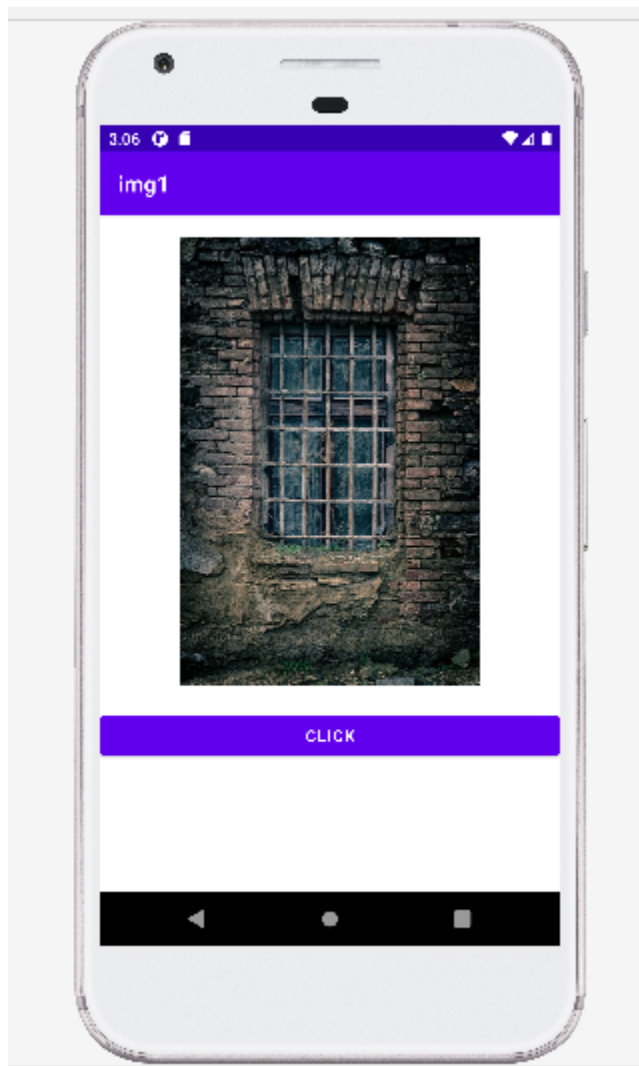
```
public class MainActivity extends AppCompatActivity {
    ImageView imageView;
    Button change;
    int flag = 1;
```

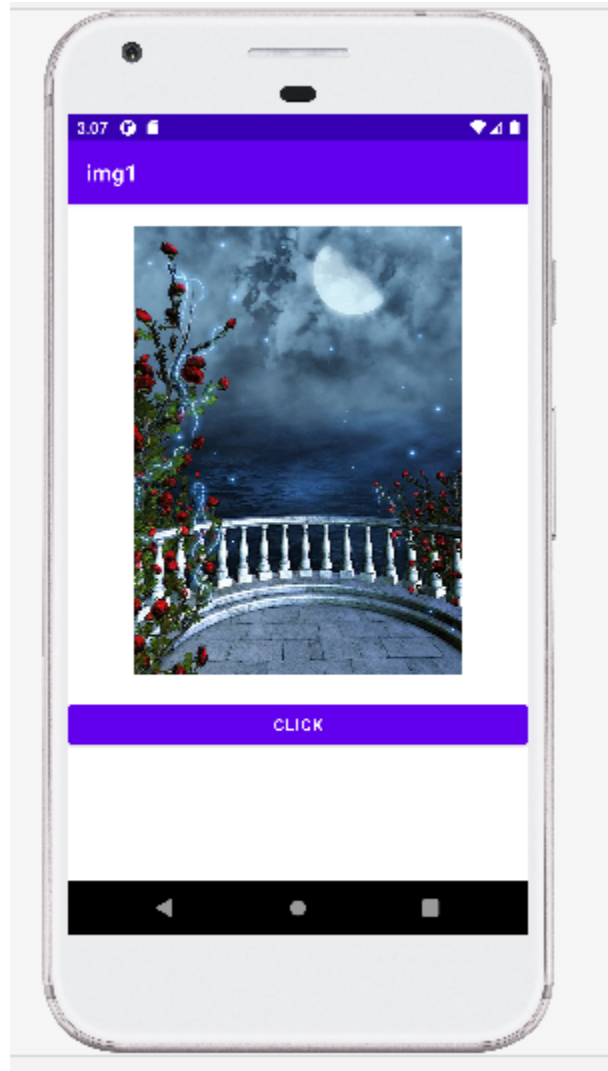
```

@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

```
<?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"
        android:id="@+id/list"/>
```

</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() {  
            @Override  
            public void onItemClick(AdapterView<?> adapterView, View view, int i, long l) {  
                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

