

Example - Zoo App - with Intent

activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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">

    <TextView
        android:id="@+id/titleview"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="35dp"
        android:text="Welcome to the Zoo"
        android:textColor="#3F51B5"
        android:textSize="36sp"
        android:textStyle="bold"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <ListView
        android:id="@+id/zoolist"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_marginTop="100dp"
        app:layout_constraintTop_toTopOf="parent"
        tools:layout_editor_absoluteX="76dp" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

mylist.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="wrap_content"
android:layout_height="wrap_content">

    <ImageView
        android:id="@+id/icons"
        android:layout_width="100dp"
        android:layout_height="100dp"
        android:padding="5dp"
        app:srcCompat="@drawable/bear"
        tools:srcCompat="@tools:sample/avatars[2]" />

    <LinearLayout
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="center_vertical"
        android:orientation="vertical">

        <TextView
            android:id="@+id/icontitle"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="TextView"
            android:textSize="24sp"
            android:textStyle="bold" />

        <TextView
            android:id="@+id/iconsubtitle"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="TextView"
            android:textSize="18sp"
            android:textStyle="italic" />

    </LinearLayout>

</LinearLayout>
```



```

String[] iconsubtitle = {
    "Carnivorous", "Carnivorous", "Carnivorous", "Herbivorous", "Herbivorous"
};
Integer[] icons = {
    R.drawable.Lion, R.drawable.tiger, R.drawable.bear, R.drawable.peacock,
    R.drawable.elephant
};
@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    MyListAdapter adapter = new MyListAdapter(this, icontitle, iconsubtitle, icons);
    list = findViewById(R.id.zoolist);
    list.setAdapter(adapter);

    list.setOnItemClickListener(new AdapterView.OnItemClickListener() {
        @Override
        public void onItemClick(AdapterView<?> parent, View view, int position,
long id) {
            Intent i = new Intent(getApplicationContext(), MainActivity2.class);
            if (position == 0){
                i.putExtra("name", icontitle[0]);
                i.putExtra("anitype", iconsubtitle[0]);
                i.putExtra("aniid", icons[0]);
            }
            else if (position == 1){
                i.putExtra("name", icontitle[1]);
                i.putExtra("anitype", iconsubtitle[1]);
                i.putExtra("aniid", icons[1]);
            }
            else if (position == 2){
                i.putExtra("name", icontitle[2]);
                i.putExtra("anitype", iconsubtitle[2]);
                i.putExtra("aniid", icons[2]);
            }
            else if (position == 3){
                i.putExtra("name", icontitle[3]);
                i.putExtra("anitype", iconsubtitle[3]);
                i.putExtra("aniid", icons[3]);
            }
            else if (position == 4){
                i.putExtra("name", icontitle[4]);
                i.putExtra("anitype", iconsubtitle[4]);
                i.putExtra("aniid", icons[4]);
            }
            startActivity(i);
        }
    });
}
}

```

activity_main2.xml

```

<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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=".MainActivity2">

<ImageView
    android:id="@+id/anipic"
    android:layout_width="300dp"
    android:layout_height="300dp"
    android:layout_marginStart="55dp"
    android:layout_marginLeft="55dp"
    android:layout_marginTop="37dp"
    android:layout_marginEnd="56dp"
    android:layout_marginRight="56dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"

```

```

        app:layout_constraintTop_toTopOf="parent"
        tools:srcCompat="@tools:sample/avatars" />

<TextView
    android:id="@+id/aniname"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="50dp"
    android:text="TextView"
    android:textSize="36sp"
    android:textStyle="bold"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/anipic" />

<TextView
    android:id="@+id/anitype"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="50dp"
    android:text="TextView"
    android:textSize="24sp"
    android:textStyle="italic"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/aniname" />

<Button
    android:id="@+id/backbutton"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Go back"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/anitype" />

</androidx.constraintlayout.widget.ConstraintLayout>

```

MainActivity2.java

```

package com.example.zoowithintent;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.ImageView;
import android.widget.TextView;

public class MainActivity2 extends AppCompatActivity {
    TextView aniname, anitype;
    ImageView anipic;
    Button backbutton;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        aniname = findViewById(R.id.aniname);
        anitype = findViewById(R.id.anitype);
        anipic = findViewById(R.id.anipic);
        backbutton = findViewById(R.id.backbutton);

        Intent i = getIntent();
        String nm = i.getStringExtra("name");
        String ty = i.getStringExtra("anitype");
        Integer picid = i.getIntExtra("aniid", 0);

        aniname.setText(nm);
    }
}

```

```
anitype.setText(ty);
anipic.setImageResource(picid);

backbutton.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Intent i = new Intent(getApplicationContext(),MainActivity.class);
        startActivity(i);
    }
});
}
}
```