

NovaSoft™

The NovaSoft™ Android App Code

Pro Value Collection Advisor™

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Activity Main XML Page

```

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

    android:layout_width="fill_parent"

    android:layout_height="wrap_content" >
<RelativeLayout
    android:layout_width="fill_parent"

    android:layout_height="wrap_content"

    android:background="@drawable/ic_back_image"

    >

<ImageView
    android:id="@+id/imageView1"
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentLeft="true"
    android:src="@drawable/nova_back" />

<Button
    android:id="@+id/btnNext"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_above="@+id/btnView"
    android:layout_centerHorizontal="true"
    android:layout_marginBottom="5dp"
    android:layout_marginTop="200dp"
    android:background="#888888"
    android:paddingLeft="15dp"
    android:paddingRight="15dp"
    android:text="Add To Collection"
    android:textColor="#FFFFFF"
    android:textSize="30sp" />

<Button
    android:id="@+id/btnView"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="false"
    android:layout_centerHorizontal="true"
    android:layout_marginBottom="250dp"
    android:layout_marginTop="275dp"
    android:background="#888888"
    android:paddingLeft="15dp"
    android:paddingRight="15dp"
    android:text="View Collection"
    android:textColor="#FFFFFF"
    android:textSize="30sp" />

<TextView
    android:id="@+id/textView1"
    android:layout_width="wrap_content"

```

```
android:layout_height="wrap_content"  
android:layout_below="@+id/imageView1"  
android:layout_centerHorizontal="true"  
android:layout_marginTop="42dp"  
android:text="ProValue Movie Collection"  
android:textColor="#FFFFFF"  
android:textSize="25sp" />
```

```
</RelativeLayout>  
</ScrollView>
```

Collection XML Page

```

<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent">
<RelativeLayout
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"

    android:background="@drawable/ic_back_image" >

<TextView
    android:id="@+id/textView2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignLeft="@+id/textView1"
    android:layout_below="@+id/txtTit"
    android:text="Director:"
    android:textSize="18sp" />

<TextView
    android:id="@+id/textView3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignLeft="@+id/textView2"
    android:layout_below="@+id/txtDir"
    android:text="Year:"
    android:textSize="18sp" />

<TextView
    android:id="@+id/textView5"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignLeft="@+id/textView1"
    android:layout_alignParentTop="true"
    android:text="Review and Submit"
    android:textSize="24sp" />

<TextView
    android:id="@+id/textView6"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignLeft="@+id/textView4"
    android:layout_below="@+id/textView4"
    android:text="Format:"
    android:textSize="18sp" />

<TextView
    android:id="@+id/textView7"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignLeft="@+id/textView6"
    android:layout_below="@+id/textView8"
    android:text="Rating:"
    android:textSize="18sp" />

```

```
<TextView
    android:id="@+id/textView8"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignLeft="@+id/textView7"
    android:layout_below="@+id/textView6"
    android:text="Genre:"
    android:textSize="18sp" />

<TextView
    android:id="@+id/txtForm"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_above="@+id/textView8"
    android:layout_alignLeft="@+id/txtYR"
    android:text="TextView" />

<TextView
    android:id="@+id/txtGenre"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_above="@+id/textView7"
    android:layout_alignLeft="@+id/txtForm"
    android:text="TextView" />

<TextView
    android:id="@+id/textView1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentLeft="true"
    android:layout_below="@+id/textView5"
    android:layout_marginLeft="25dp"
    android:layout_marginTop="29dp"
    android:text="Title:"
    android:textSize="18sp" />

<TextView
    android:id="@+id/txtTit"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignBottom="@+id/textView1"
    android:layout_alignRight="@+id/textView5"
    android:text="TextView" />

<TextView
    android:id="@+id/txtDir"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignBottom="@+id/textView2"
    android:layout_alignLeft="@+id/txtTit"
    android:text="TextView" />

<TextView
    android:id="@+id/txtPr"
    android:layout_width="wrap_content"
```



```

    android:layout_height="wrap_content"
    android:layout_alignBottom="@+id/textView3"
    android:layout_alignLeft="@+id/txtDir"
    android:gravity="top|center_horizontal"
    android:text="TextView" />

```

```
<TextView
```

```

    android:id="@+id/textView4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignLeft="@+id/textView3"
    android:layout_below="@+id/textView3"
    android:text="Price:"
    android:textSize="18sp" />

```

```
<TextView
```

```

    android:id="@+id/txtYR"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignBaseline="@+id/textView4"
    android:layout_alignBottom="@+id/textView4"
    android:layout_alignLeft="@+id/txtPr"
    android:text="TextView" />

```

```
<TextView
```

```

    android:id="@+id/textView9"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignLeft="@+id/textView9"
    android:layout_below="@+id/textView9"

```

```
/>
```

```
<TextView
```

```

    android:id="@+id/textView10"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignLeft="@+id/textView10"
    android:layout_below="@+id/textView9"

```

```
/>
```

```
<TextView
```

```

    android:id="@+id/textView11"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignLeft="@+id/textView11"
    android:layout_below="@+id/textView11"

```

```
/>
```

```
<TextView
```

```

    android:id="@+id/textView12"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignLeft="@+id/textView11"
    android:layout_below="@+id/textView11"

```

```
/>
```

```
<TextView
```

```

    android:id="@+id/txtRating"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignRight="@+id/txtGenre"

```

```

        android:layout_below="@+id/textView7"
        android:text="TextView" />
<TextView
    android:id="@+id/textView13"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignLeft="@+id/textView11"
    android:layout_below="@+id/textView11"
/>

<Button
    android:id="@+id/btnSubmit"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/txtRating"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="54dp"
    android:background="#888888"
    android:paddingBottom="5dp"
    android:paddingLeft="15dp"
    android:paddingRight="15dp"
    android:paddingTop="5dp"
    android:text="Submit To Collection"
    android:textColor="#FFFFFF"
    android:textSize="30sp" />

<Button
    android:id="@+id/btnSub"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/btnSubmit"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="63dp"
    android:background="#888888"
    android:paddingBottom="10dp"
    android:paddingLeft="15dp"
    android:paddingRight="15dp"
    android:paddingTop="10dp"
    android:text="View Collection"
    android:textColor="#FFFFFF"
    android:textColorHint="#000000"
    android:textSize="30sp" />

</RelativeLayout>
</ScrollView>

```

Input i XML Page

```

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

    android:layout_width="fill_parent"

    android:layout_height="wrap_content" >
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@drawable/ic_back_image"
    android:orientation="vertical" >

<TextView
    android:id="@+id/titleText"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="top|center_horizontal"
    android:layout_margin="1dp"
    android:layout_marginTop="5dp"
    android:text="Title"
    android:textSize="30sp" />

<EditText
    android:id="@+id/editTitle"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center_horizontal"
    android:paddingLeft="5dp"
    android:paddingRight="5dp"
    android:ems="10" >

    <requestFocus />
</EditText>

<TextView
    android:id="@+id/directorText"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center_horizontal"
    android:layout_margin="0dp"
    android:text="Director"
    android:textSize="30sp" />

<EditText
    android:id="@+id/editDirector"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center_horizontal"
    android:paddingLeft="5dp"
    android:paddingRight="5dp"
    android:ems="10" />

<TextView
    android:id="@+id/yearText"
    android:layout_width="wrap_content"

```

```

    android:layout_height="wrap_content"
    android:layout_gravity="center_horizontal"
    android:layout_margin="0dp"
    android:text="Year Released"
    android:textSize="30sp" />

```

```

<EditText
    android:id="@+id/editYear"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center_horizontal"
    android:paddingLeft="5dp"
    android:paddingRight="5dp"
    android:ems="10"
    android:inputType="number" />

```

```

<TextView
    android:id="@+id/Pricetext"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center_horizontal"
    android:layout_margin="0dp"
    android:text="Purchase Price"
    android:textSize="30sp" />

```

```

<EditText
    android:id="@+id/editPrice"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center_horizontal"
    android:paddingLeft="5dp"
    android:paddingRight="5dp"
    android:ems="10"
    android:inputType="numberDecimal" />

```

```

<Button
    android:id="@+id/btnNextInput"
    android:layout_width="106dp"
    android:layout_height="wrap_content"
    android:layout_gravity="bottom|center_horizontal"
    android:layout_margin="1dp"
    android:layout_marginTop="3dp"
    android:background="#888888"
    android:onClick="displayEditText"
    android:paddingBottom="5dp"
    android:paddingLeft="2dp"
    android:paddingRight="2dp"
    android:paddingTop="5dp"
    android:text="Next"
    android:textColor="#FFFFFF"
    android:textColorHint="#000000"
    android:textSize="45sp" />

```

```

</LinearLayout>
</ScrollView>

```

Input 2 XML Page

```

<?xml version="1.0" encoding="utf-8"?>

<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"

    android:layout_width="fill_parent"

    android:layout_height="wrap_content" >

<LinearLayout

    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@drawable/ic_back_image"
    android:orientation="vertical" >

    <TextView

        android:id="@+id/textGenre"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="top|center_horizontal"
        android:text="Genre"
        android:textSize="30sp" />

    <Spinner

        android:id="@+id/spinGenre"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="center_horizontal"
        android:entries="@array/Groups"
        android:paddingLeft="5dp"
        android:paddingRight="5dp"
        android:prompt="@string/Genre" />

    <TextView

        android:id="@+id/txtDir"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="center_horizontal"
        android:layout_margin="1dp"
        android:text="Select Format"
        android:textSize="20sp" />

    <RadioButton

        android:id="@+id/radioBluRay"
        android:layout_width="160dp"
        android:layout_height="wrap_content"
        android:layout_gravity="center_horizontal"
        android:layout_margin="1dp"
        android:text="Blu-Ray"
        android:textSize="20sp" />

    <RadioButton

        android:id="@+id/radioDVD"

```

```
    android:layout_width="160dp"
    android:layout_height="wrap_content"
    android:layout_gravity="center_horizontal"
    android:layout_margin="1dp"
    android:text="DVD"
    android:textSize="20sp" />
```

```
<RadioButton
    android:id="@+id/radioDigital"
    android:layout_width="160dp"
    android:layout_height="wrap_content"
    android:layout_gravity="center_horizontal"
    android:layout_margin="1dp"
    android:text="Digital"
    android:textSize="20sp" />
```

```
<TextView
    android:id="@+id/textView2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center_horizontal"
    android:layout_margin="1dp"
    android:text="Your Rating"
    android:textSize="20sp" />
```

```
<Spinner
    android:id="@+id/spinner1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center_horizontal"
    android:entries="@array/Rating"
    android:paddingLeft="5dp"
    android:paddingRight="5dp"
    android:prompt="@string/Rating"
    android:textAlignment="center" />
```

```
<Button
    android:id="@+id/btnSubmit"
    android:layout_width="127dp"
    android:layout_height="wrap_content"
    android:layout_gravity="center"
    android:layout_margin="1dp"
    android:background="#888888"
    android:paddingBottom="2dp"
    android:paddingTop="2dp"
    android:text="Next"
    android:textColor="#FFFFFF"
    android:textColorHint="#000000"
    android:textSize="45sp" />
```

```
</LinearLayout>
</ScrollView>
```


Bridge Class Page

```
package com.tompkinsdesign.provaluecollectionadvisor;

import android.app.Activity;
//public storage to carry data from one activity to another
public class bridge extends Activity {

public static String director = " ";
public static String Title = " ";
public static String Year = "";
public static String Price = "";
public static String Spin = "";
public static String Radio = "";
public static String Rate = "";

}
```

Collection Class Page

```

package com.tompkinsdesign.provaluecollectionadvisor;

import android.os.Bundle;
import android.view.KeyEvent;
import android.view.Menu;
import android.view.View;
import android.annotation.SuppressLint;
import android.content.Intent;
import android.content.res.Configuration;
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.graphics.Color;
import android.graphics.Typeface;
import android.widget.Button;
import android.widget.RatingBar;
import android.widget.ScrollView;
import android.widget.TableLayout;
import android.widget.TableRow;
import android.widget.TextView;
import android.widget.Toast;
public class collection extends input1 {
    //Variables
    String Title, Director, Year, Price, Format, Genre, Rating;

    SQLiteDatabase db;
    TableRow tableRow;
    TextView textView, textView1, textView2, textView3, textView4, textView5,
    textView6, textView7, textView8, textView9, textView10, textView11, textView12,
    textView13;
    //sets view to collection layout
    @Override
    public void onConfigurationChanged(Configuration newConfig) {
        super.onConfigurationChanged(newConfig);
        setContentView(R.layout.collection);
    }
    //creates or opens database
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.collection);
        db=openOrCreateDatabase("MovieDB",MODE_PRIVATE, null);
        db.execSQL("CREATE TABLE IF NOT EXISTS Movies(Title VARCHAR,Director
    VARCHAR,Year VARCHAR, Price VARCHAR, Format VARCHAR, Genre VARCHAR, Rating
    VARCHAR);");
        //sets the text to be stored in database
        TextView direct = (TextView) findViewById(R.id.txtDir);
        TextView title = (TextView) findViewById(R.id.txtTit);
        TextView year = (TextView) findViewById(R.id.txtYR);
        TextView price = (TextView) findViewById(R.id.txtPr);
        TextView format = (TextView) findViewById(R.id.txtForm);
        TextView genre = (TextView) findViewById(R.id.txtGenre);
        TextView rating = (TextView) findViewById(R.id.txtRating);
        direct.setText(bridge.director);
        title.setText(bridge.Title);
    }
}

```

```

//price and year are mixed up Changed in code instead of layout
price.setText(String.format(bridge.Year));
year.setText("$" + bridge.Price);
genre.setText(bridge.Spin);
format.setText(bridge.Radio);
rating.setText(bridge.Rate);

Title = title.getText().toString();
Director = direct.getText().toString();
Year = year.getText().toString();
Price = price.getText().toString();
Format = format.getText().toString();
Genre = genre.getText().toString();
Rating = rating.getText().toString();

//button that when clicked inserts the values to the database
Button submit = (Button) findViewById(R.id.btnSubmit);
submit.setOnClickListener(new View.OnClickListener() {

    @Override
    public void onClick(View v) {
        // TODO Auto-generated method stub
        db.execSQL("INSERT INTO Movies
VALUES('"+Title+"', '"+Director+"', '"+Year+"', '"+Price+"', '"+Format+"', '"+Genre+"', '"+
Rating+"');");
        MessageBox("You Have Added A New Entry");
    }
});
//button that creates a new table view and displays the database
Button online = (Button) findViewById(R.id.btnSub);
online.setOnClickListener(new View.OnClickListener() {

    @SuppressWarnings("NewApi")
    public void onClick(View view) {

        Cursor c=db.rawQuery("SELECT * from Movies", null);
        int count= c.getCount();
        c.moveToFirst();
        TableLayout tableLayout = new TableLayout(getApplicationContext());
        ScrollView scrollView = new ScrollView(getApplicationContext());

        TableRow tableRow;
        TextView
textView, textView1, textView2, textView3, textView4, textView5, textView6, textView7, textVi
ew8, textView9, textView10, textView11, textView12, textView13;
        tableRow = new TableRow(getApplicationContext());
        textView=new TextView(getApplicationContext());
        textView.setText("Title");
        textView.setTextColor(Color.WHITE);
        textView.setTypeface(null, Typeface.BOLD);
        textView.setPadding(20, 20, 20, 20);
        tableRow.addView(textView);

```

```

textView4=new TextView(getApplicationContext());
    textView4.setText("Director");
    textView4.setTextColor(Color.WHITE);
    textView4.setTypeface(null, Typeface.BOLD);
    textView4.setPadding(20, 20, 20, 20);
    tableRow.addView(textView4);
textView5=new TextView(getApplicationContext());
    textView5.setText("Genre");
    textView5.setTextColor(Color.WHITE);
    textView5.setTypeface(null, Typeface.BOLD);
    textView5.setPadding(20, 20, 20, 20);
    tableRow.addView(textView5);
    textView6=new TextView(getApplicationContext());
    textView6.setText("Price");
    textView6.setTextColor(Color.WHITE);
    textView6.setTypeface(null, Typeface.BOLD);
    textView6.setPadding(20, 20, 20, 20);
    tableRow.addView(textView6);
textView8=new TextView(getApplicationContext());
    textView8.setText("Year");
    textView8.setTextColor(Color.WHITE);
    textView8.setTypeface(null, Typeface.BOLD);
    textView8.setPadding(20, 20, 20, 20);
    tableRow.addView(textView8);
    textView10=new TextView(getApplicationContext());
    textView10.setText("Format");
    textView10.setTextColor(Color.WHITE);
    textView10.setTypeface(null, Typeface.BOLD);
    textView10.setPadding(20, 20, 20, 20);
    tableRow.addView(textView10);
textView12=new TextView(getApplicationContext());
    textView12.setText("Rating");
    textView12.setTextColor(Color.WHITE);
    textView12.setTypeface(null, Typeface.BOLD);
    textView12.setPadding(20, 20, 20, 20);
    tableRow.addView(textView12);
tableLayout.addView(tableRow);
    for (Integer j = 0; j < count; j++)
    {
        tableRow = new TableRow(getApplicationContext());
        textView1 = new TextView(getApplicationContext());
        textView1.setText(c.getString(c.getColumnIndex("Title")));
        textView2 = new TextView(getApplicationContext());
        textView2.setText(c.getString(c.getColumnIndex("Director")));
        textView3 = new TextView(getApplicationContext());
        textView3.setText(c.getString(c.getColumnIndex("Genre")));
        textView7 = new TextView(getApplicationContext());
        textView7.setText(c.getString(c.getColumnIndex("Price")));
        textView9 = new TextView(getApplicationContext());
        textView9.setText(c.getString(c.getColumnIndex("Year")));
        textView11 = new TextView(getApplicationContext());
        textView11.setText(c.getString(c.getColumnIndex("Format")));
        textView13 = new TextView(getApplicationContext());
        textView13.setText(c.getString(c.getColumnIndex("Rating")));
        textView1.setPadding(20, 20, 20, 20);

```

```

        textView2.setPadding(20, 20, 20, 20);
        textView3.setPadding(20, 20, 20, 20);
        textView7.setPadding(20, 20, 20, 20);
        textView9.setPadding(20, 20, 20, 20);
        textView11.setPadding(20, 20, 20, 20);
        textView13.setPadding(20, 20, 20, 20);
        tableRow.addView(textView1);
        tableRow.addView(textView2);
        tableRow.addView(textView3);
        tableRow.addView(textView7);
        tableRow.addView(textView9);
        tableRow.addView(textView11);
        tableRow.addView(textView13);
        tableLayout.addView(tableRow);
        c.moveToNext() ;
    }
    scrollView.addView(tableLayout);
    setContentView(scrollView);
    db.close();

}

});

}

//clears the input data and returns to the main activity
@Override
public void onBackPressed() {
    bridge.director = "";
    bridge.Price = "";
    bridge.Radio= "";
    bridge.Rate = "";
    bridge.Spin = "";
    bridge.Title = "";
    bridge.Year = "";
    Intent intent = new Intent(this, MainActivity.class);
    startActivity(intent);
    finish();
}

public void MessageBox(String message)
{
    Toast.makeText(this, message, Toast.LENGTH_SHORT).show();
}

@Override
public boolean onCreateOptionsMenu(Menu menu) {
    // Inflate the menu; this adds items to the action bar if it is present.
    getMenuInflater().inflate(R.menu.main, menu);
    return true;
}

}
}

```

Input i Class Page


```

package com.tompkinsdesign.provaluecollectionadvisor;

import android.os.Bundle;
import android.app.Activity;
import android.app.AlertDialog;
import android.content.Intent;
import android.view.Menu;
import android.view.View;
import android.view.Window;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
//sets layout to input1
public class input1 extends Activity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);

        setContentView(R.layout.input1);

        final EditText title = (EditText) findViewById(R.id.editTitle);
        final EditText direct = (EditText) findViewById(R.id.editDirector);
        final EditText year = (EditText) findViewById(R.id.editYear);
        final EditText price = (EditText) findViewById(R.id.editPrice);
        Button next = (Button) findViewById(R.id.btnNextInput);

        //button when clicked stores the input data to bridge
        next.setOnClickListener(new View.OnClickListener() {

            public void onClick(View view) {
                String tit = title.getText().toString();
                String dir = direct.getText().toString();
                String yr = year.getText().toString();
                String pr = price.getText().toString();
                bridge.director = dir;
                bridge.Title = tit;
                bridge.Year = yr;
                bridge.Price = pr;
                //checks for input
                if (tit.length() < 1){
                    new AlertDialog.Builder(input1.this)
                        .setMessage("Please Enter A Title")
                        .setCancelable(false).setPositiveButton("OK", null)
                        .show();
                }else if (dir.length() < 2) {
                    new AlertDialog.Builder(input1.this)
                        .setMessage("Please Enter A Director")
                        .setCancelable(false).setPositiveButton("OK", null)
                        .show();
                }
            }
        });
    }
}

```

```

        direct.requestFocus();
    }else if(yr.length() < 3){
        new AlertDialog.Builder(input1.this)
            .setMessage("Please Enter A Year")
            .setCancelable(false).setPositiveButton("OK", null)
            .show();
        year.requestFocus();
    }else if(pr.length() < 3){
        new AlertDialog.Builder(input1.this)
            .setMessage("Please Enter A Price")
            .setCancelable(false).setPositiveButton("OK", null)
            .show();
        price.requestFocus();
    }else{
        Intent myIntent = new Intent(input1.this,
input2.class);
        startActivity(myIntent);
        finish();
    }
});
}

@Override
public boolean onCreateOptionsMenu(Menu menu) {
    // Inflate the menu; this adds items to the action bar if it is present.
    getMenuInflater().inflate(R.menu.main, menu);
    return true;
}
//clears data and returns to main activity
@Override
public void onBackPressed() {
    bridge.director = "";
    bridge.Price = "";
    bridge.Radio= "";
    bridge.Rate = "";
    bridge.Spin = "";
    bridge.Title = "";
    bridge.Year = "";
    Intent intent = new Intent(this, MainActivity.class);
    startActivity(intent);
    finish();
}

public void MessageBox(String message)
{
    Toast.makeText(this, message, Toast.LENGTH_SHORT).show();
}
}

```

Input 2 Class Page

```

package com.tompkinsdesign.provaluecollectionadvisor;
import android.app.Activity;
import android.app.AlertDialog;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.RadioButton;
import android.widget.RatingBar;
import android.widget.Spinner;
import android.widget.Toast;

public class input2 extends input1 {
String Spinner;String Blu;String DVD;String Dig;String Rate;
//sets layout to input2 and creates variables for the input data
/** Called when the activity is first created. */
public void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.input2);
final Spinner group = (Spinner) findViewById(R.id.spinGenre);
final RadioButton blu = (RadioButton) findViewById(R.id.radioBluRay);
final RadioButton dvd = (RadioButton) findViewById(R.id.radioDVD);
final RadioButton dig = (RadioButton) findViewById(R.id.radioDigital);
final Spinner rating = (Spinner)findViewById(R.id.spinner1);

Button next = (Button) findViewById(R.id.btnSubmit);
next.setOnClickListener(new View.OnClickListener() {
public void onClick(View view) {
DVD = dvd.toString();
Spinner = group.getSelectedItem().toString();
Rate = rating.getSelectedItem().toString();
Blu = blu.toString();
Dig = dig.toString();

bridge.Spin = Spinner;
bridge.Rate = Rate;
//checks for data entered
if (Spinner.length() < 4){
new AlertDialog.Builder(input2.this)
.setMessage("Please Enter Select Genre")
.setCancelable(false).setPositiveButton("OK", null)
.show();
}else{
if (dig.isChecked() && dvd.isChecked()){
bridge.Radio = "Combo";
}else if (dig.isChecked() && blu.isChecked()){
bridge.Radio = "Combo";
}else if (dvd.isChecked() && blu.isChecked()){
bridge.Radio = "Combo";
}else if (blu.isChecked()){
bridge.Radio="Blu-Ray";
}else if(dvd.isChecked()){
bridge.Radio = "DVD";
}else if(dig.isChecked()){

```

```

        bridge.Radio = "Digital";
    }
    MessageBox("Please Review Your Collection");

    Intent myIntent = new Intent(input2.this, collection.class);

    startActivity(myIntent);
    finish();
}
}
});

}
//clears data and returns to input1
@Override
public void onBackPressed() {
    bridge.director = "";
    bridge.Price = "";
    bridge.Radio= "";
    bridge.Rate = "";
    bridge.Spin = "";
    bridge.Title = "";
    bridge.Year = "";
    Intent intent = new Intent(this, input1.class);
    startActivity(intent);
    finish();
}
public void MessageBox(String message)
{
    Toast.makeText(this, message, Toast.LENGTH_SHORT).show();
}
}
}

```

Main Activity Class Page

```

package com.tompkinsdesign.provaluecollectionadvisor;

import android.os.Bundle;
import android.animation.AnimatorSet.Builder;
import android.annotation.SuppressLint;
import android.app.Activity;
import android.app.AlertDialog;
import android.content.DialogInterface;
import android.content.DialogInterface.OnClickListener;
import android.content.Intent;
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.graphics.Color;
import android.graphics.Typeface;
import android.view.KeyEvent;
import android.view.Menu;
import android.view.View;
import android.view.Window;
import android.widget.Button;
import android.widget.HorizontalScrollView;
import android.widget.ImageButton;
import android.widget.RatingBar;
import android.widget.ScrollView;
import android.widget.TableLayout;
import android.widget.TableRow;
import android.widget.TextView;
import android.widget.Toast;
//Variables
public class MainActivity extends Activity {
    String Title, Director, Year, Price, Format, Genre, Rating;
    SQLiteDatabase db;
    TableRow tableRow;
    TextView textView, textView1, textView2, textView3, textView4, textView5,
textView6, textView7, textView8, textView9, textView10, textView11,
textView12, textView13;
    //sets layout to activity_main
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_main);
        //button when clicked opens input1 activity
        Button next = (Button) findViewById(R.id.btnNext);
        next.setOnClickListener(new View.OnClickListener() {
            public void onClick(View view) {
                Intent myIntent = new Intent(MainActivity.this, input1.class);
                startActivity(myIntent);
                finish();
            }
        });
        //button that creates a new table view and displays the database
        Button view = (Button) findViewById(R.id.btnView);

```

```

view.setOnClickListener(new View.OnClickListener() {
    @SuppressWarnings("NewApi")
    //creates or opens database
    public void onClick(View view) {
        db=openOrCreateDatabase("MovieDB",MODE_PRIVATE, null);
        db.execSQL("CREATE TABLE IF NOT EXISTS Movies(Title VARCHAR,Director
VARCHAR,Year VARCHAR, Price VARCHAR, Format VARCHAR, Genre VARCHAR, Rating
VARCHAR);");

        Cursor c=db.rawQuery("SELECT * from Movies", null);
        int count= c.getCount();
        c.moveToFirst();
        TableLayout tableLayout = new TableLayout(getApplicationContext());
        ScrollView scrollView = new ScrollView(getApplicationContext());

        TableRow tableRow;
        TextView
textView,textView1,textView2,textView3,textView4,textView5,textView6,textView7,textVi
ew8,textView9,textView10,textView11,textView12,textView13;
        tableRow = new TableRow(getApplicationContext());
        textView=new TextView(getApplicationContext());
        textView.setText("Title");
        textView.setTextColor(Color.WHITE);
        textView.setTypeface(null, Typeface.BOLD);
        textView.setPadding(20, 20, 20, 20);
        tableRow.addView(textView);
        textView4=new TextView(getApplicationContext());
        textView4.setText("Director");
        textView4.setTextColor(Color.WHITE);
        textView4.setTypeface(null, Typeface.BOLD);
        textView4.setPadding(20, 20, 20, 20);
        tableRow.addView(textView4);
        textView5=new TextView(getApplicationContext());
        textView5.setText("Genre");
        textView5.setTextColor(Color.WHITE);
        textView5.setTypeface(null, Typeface.BOLD);
        textView5.setPadding(20, 20, 20, 20);
        tableRow.addView(textView5);
        textView6=new TextView(getApplicationContext());
        textView6.setText("Price");
        textView6.setTextColor(Color.WHITE);
        textView6.setTypeface(null, Typeface.BOLD);
        textView6.setPadding(20, 20, 20, 20);
        tableRow.addView(textView6);
        textView8=new TextView(getApplicationContext());
        textView8.setText("Year");
        textView8.setTextColor(Color.WHITE);
        textView8.setTypeface(null, Typeface.BOLD);
        textView8.setPadding(20, 20, 20, 20);
        tableRow.addView(textView8);
        textView10=new TextView(getApplicationContext());
        textView10.setText("Format");
        textView10.setTextColor(Color.WHITE);
        textView10.setTypeface(null, Typeface.BOLD);
        textView10.setPadding(20, 20, 20, 20);

```



```

        tableRow.addView(textView10);
textView12=new TextView(getApplicationContext());
        textView12.setText("Rating");
        textView12.setTextColor(Color.WHITE);
        textView12.setTypeface(null, Typeface.BOLD);
        textView12.setPadding(20, 20, 20, 20);
        tableRow.addView(textView12);
tableLayout.addView(tableRow);
        for (Integer j = 0; j < count; j++)
        {
            tableRow = new TableRow(getApplicationContext());
            textView1 = new TextView(getApplicationContext());
            textView1.setText(c.getString(c.getColumnIndex("Title")));
            textView2 = new TextView(getApplicationContext());
            textView2.setText(c.getString(c.getColumnIndex("Director")));
            textView3 = new TextView(getApplicationContext());
            textView3.setText(c.getString(c.getColumnIndex("Genre")));
            textView7 = new TextView(getApplicationContext());
            textView7.setText(c.getString(c.getColumnIndex("Price")));
            textView9 = new TextView(getApplicationContext());
            textView9.setText(c.getString(c.getColumnIndex("Year")));
            textView11 = new TextView(getApplicationContext());
            textView11.setText(c.getString(c.getColumnIndex("Format")));
            textView13 = new TextView(getApplicationContext());
            textView13.setText(c.getString(c.getColumnIndex("Rating")));
            textView1.setPadding(20, 20, 20, 20);
            textView2.setPadding(20, 20, 20, 20);
            textView3.setPadding(20, 20, 20, 20);
            textView7.setPadding(20, 20, 20, 20);
            textView9.setPadding(20, 20, 20, 20);
            textView11.setPadding(20, 20, 20, 20);
            textView13.setPadding(20, 20, 20, 20);
            tableRow.addView(textView1);
            tableRow.addView(textView2);
            tableRow.addView(textView3);
            tableRow.addView(textView7);
            tableRow.addView(textView9);
            tableRow.addView(textView11);
            tableRow.addView(textView13);
            tableLayout.addView(tableRow);
            c.moveToNext() ;
        }
        scrollView.addView(tableLayout);
        setContentView(scrollView);
db.close();

    }

});

}

```

```

    //when back is clicked it will go back and if clicked again under 2 seconds
    application will close
    private long lastPressedTime;
    private static final int PERIOD = 2000;

    @Override
    public boolean onKeyDown(int keyCode, KeyEvent event) {
        if (event.getKeyCode() == KeyEvent.KEYCODE_BACK) {
            switch (event.getAction()) {
                case KeyEvent.ACTION_DOWN:
                    if (event.getDownTime() - lastPressedTime < PERIOD) {

                        System.exit(0);
                    } else {
                        Toast.makeText(getApplicationContext(), "Press again to exit.",
                            Toast.LENGTH_SHORT).show();
                        lastPressedTime = event.getTime();
                        setContentView(R.layout.activity_main);
                    }
                    return true;
            }
        }
        return false;
    }
    public void MessageBox(String message)
    {
        Toast.makeText(this, message, Toast.LENGTH_SHORT).show();
    }

    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        // Inflate the menu; this adds items to the action bar if it is present.
        getMenuInflater().inflate(R.menu.main, menu);
        return true;
    }
}
}

```

Android Manifest XML Page

```

<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.tompkinsdesign.provaluecollectionadvisor"
    android:versionCode="2"
    android:versionName="1.1" >
<uses-permission android:name="android.permission.INTERNET"></uses-permission>
<uses-sdk
    android:minSdkVersion="8"
    android:targetSdkVersion="19" />

<application
    android:allowBackup="true"
    android:icon="@drawable/ic_launcher_ns"
    android:label="@string/app_name"
    android:theme="@android:style/Theme.Black" >
<activity
    android:name="com.tompkinsdesign.provaluecollectionadvisor.MainActivity"

    android:label="@string/app_name" >
<intent-filter>
    <action android:name="android.intent.action.MAIN" />

    <category android:name="android.intent.category.LAUNCHER" />
</intent-filter>
</activity>
<activity android:name=".input1"></activity>
<activity android:name=".input2"></activity>
<activity android:name=".collection"></activity>
<activity android:name=".bridge"></activity>

</application>
</manifest>

```

Strings XML Page

```
<?xml version="1.0" encoding="utf-8"?>
<resources>

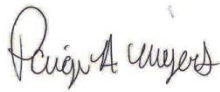
    <string name="app_name">ProValue Collection Advisor</string>
    <string name="action_settings">Settings</string>
    <string name="hello_world">Hello world!</string>
    <string-array name="Groups">
        <item></item><item >Horror</item>
        <item >Comedy</item>
        <item >Drama</item>
        <item >Action</item>
        <item >Documentary</item>
        <item >Sci-Fi</item>
        <item >Family</item>
        <item >Indie</item>
        <item >Musical</item>
        <item >Educational</item>
        <item >Animation</item>

    </string-array>
    <string name="Genre">Select Group</string>
    <string name="Rating">Rating</string>
    <string-array name="Rating">
        <item >Your Rating</item><item >Loved it 5 Stars</item>
        <item >Good 4 Stars</item>
        <item >Fair 3 Stars</item>
        <item >Poor 2 Stars</item>
        <item >Worst 1 Star</item>

    </string-array>
</resources>
```

Appendix A: Signatures

Signed,



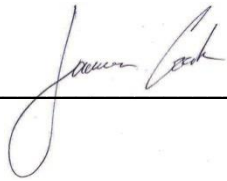
Paige Myers:



Charles Reid:



Josh Haulbrook:



James Cook:

Instructor: