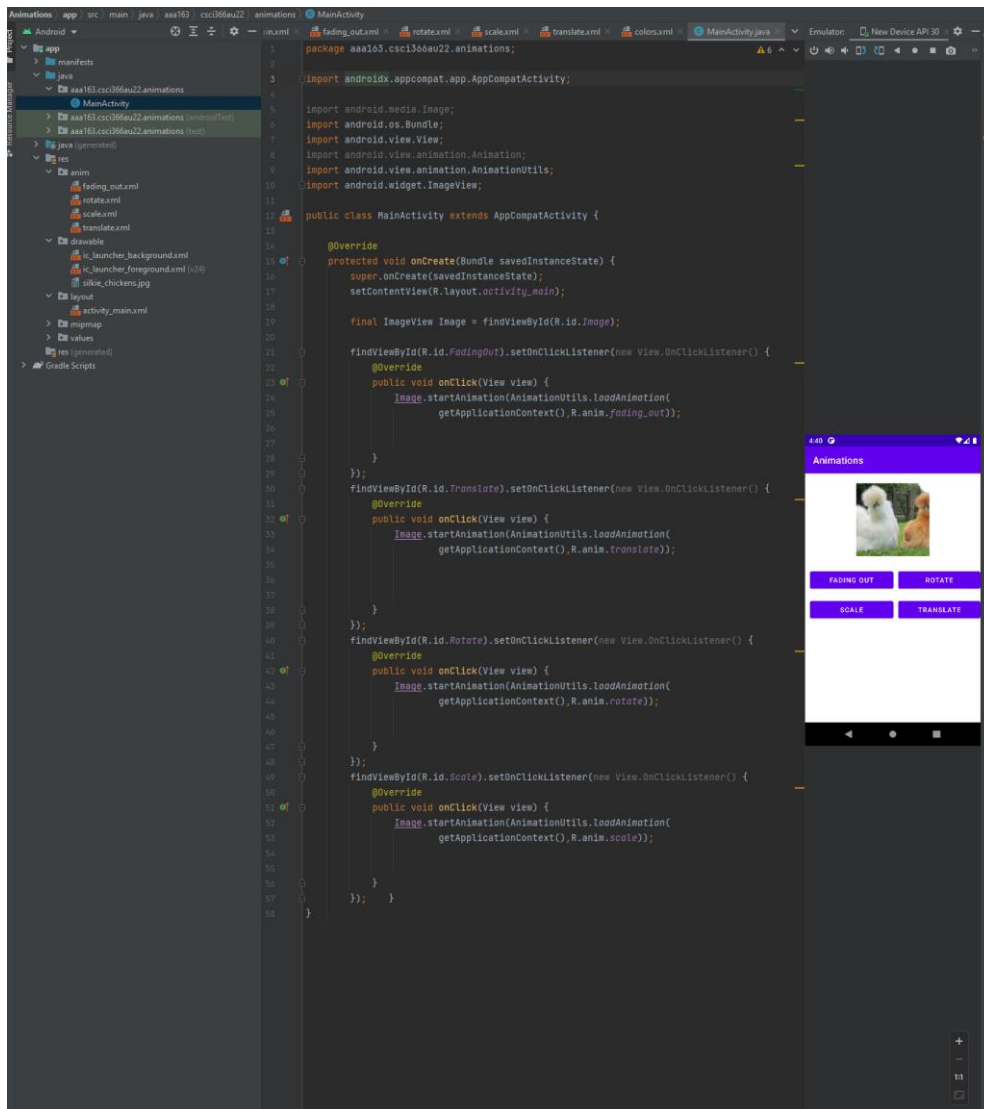


This is Main Activity. You have the selection of button that has the code for what will happen when you click the 4 buttons. Buttons Are Fading Out, Translate, Rotate and Scale. Display Below is the xml code for the animation displayed on the click of the button.



```
in.xml x fading_out.xml x rotate.xml x scale.xml x translate.xml x colors.xml x MainActivity.java x
1 <?xml version="1.0" encoding="utf-8"?>
2 <set xmlns:android="http://schemas.android.com/apk/res/android">
3
4 <translate
5     android:duration="800"
6     android:toXDelta="1000"
7     android:fromXDelta="-1000"
8     android:interpolator="@android:anim/accelerate_interpolator"
9
10 />
11
12
13
14 </set>
```

```
in.xml x fading_out.xml x rotate.xml x scale.xml x translate.xml x colors.xml x MainActivity.java x
1 <?xml version="1.0" encoding="utf-8"?>
2 <set xmlns:android="http://schemas.android.com/apk/res/android"
3     android:fillAfter="true">
4 <alpha
5     android:duration="2000"
6     android:fromAlpha="1"
7     android:interpolator="@android:anim/accelerate_interpolator"
8     android:toAlpha="0"
9     android:repeatCount="1"
10    android:repeatMode="reverse"/>
11
12
13
14 </set>
```

```
in.xml x fading_out.xml x rotate.xml x scale.xml x translate.xml x colors.xml x MainActivity.java x
1 <?xml version="1.0" encoding="utf-8"?>
2 <set xmlns:android="http://schemas.android.com/apk/res/android">
3 <rotate
4     android:duration="600"
5     android:fromDegrees="0"
6     android:interpolator="@android:anim/cycle_interpolator"
7     android:pivotX="50%"
8     android:pivotY="50%"
9     android:repeatMode="restart"
10    android:toDegrees="360"/>
11 </set>
```

```
xml xml fading_out.xml x rotate.xml x scale.xml x translate.xml x colors.xml MainActivity.java
<?xml version="1.0" encoding="utf-8"?>
<set xmlns:android="http://schemas.android.com/apk/res/android"
    android:fillAfter="true">

    <scale
        android:duration="1000"
        android:fromXScale="0"
        android:toXScale="1"
        android:fromYScale="0"
        android:toYScale="1"
        android:pivotX="50%"
        android:pivotY="50%" />

    <rotate
        android:duration="600"
        android:fromDegrees="0"
        android:interpolator="@android:anim/cycle_interpolator"
        android:pivotX="50%"
        android:pivotY="50%"
        android:repeatMode="restart"
        android:toDegrees="360" />

</set>
```

This is the visual display on the screen for the application.

```
1  <?xml version="1.0" encoding="utf-8"?>
2  <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
3      xmlns:tools="http://schemas.android.com/tools"
4      android:layout_width="match_parent"
5      android:layout_height="match_parent"
6      android:orientation="vertical"
7      tools:context=".MainActivity">
8
9      <ImageView
10         android:id="@+id/Image"
11         android:layout_width="150dp"
12         android:layout_height="150dp"
13         android:layout_gravity="center_horizontal"
14         android:layout_margin="20dp"
15         android:contentDescription="@string/app_name"
16         android:scaleType="centerCrop"
17         android:src="@drawable/silkie_chickens" />
18
19      <TableLayout
20         android:layout_width="match_parent"
21         android:layout_height="wrap_content"
22         android:stretchColumns="*">
23
24         <TableRow
25             android:layout_width="0dp"
26             android:layout_height="wrap_content"
27             android:paddingBottom="8dp">
28
29             <Button
30                 android:id="@+id/FadingOut"
31                 android:layout_width="match_parent"
32                 android:layout_height="wrap_content"
33                 android:layout_marginStart="10dp"
34                 android:layout_marginTop="5dp"
35                 android:text="@string/Fading_out"/>
36
37             <Button
38                 android:id="@+id/Rotate"
39                 android:layout_width="match_parent"
40                 android:layout_height="wrap_content"
41                 android:layout_marginStart="10dp"
42                 android:layout_marginTop="5dp"
43                 android:text="@string/rotate"/>
44
45             </TableRow>
46
47             <TableRow
48                 android:layout_width="0dp"
49                 android:layout_height="wrap_content"
50                 android:paddingBottom="8dp">
51
52                 <Button
53                     android:id="@+id/Scale"
54                     android:layout_width="match_parent"
55                     android:layout_height="wrap_content"
56                     android:layout_marginStart="10dp"
57                     android:layout_marginTop="5dp"
58                     android:text="@string/Scale"/>
59
60                 <Button
61                     android:id="@+id/Translate"
62                     android:layout_width="match_parent"
63                     android:layout_height="wrap_content"
64                     android:layout_marginStart="10dp"
65                     android:layout_marginTop="5dp"
66                     android:text="@string/Translate"/>
67
68                 </TableRow>
69
70             </TableLayout>
71
72     </LinearLayout>
```