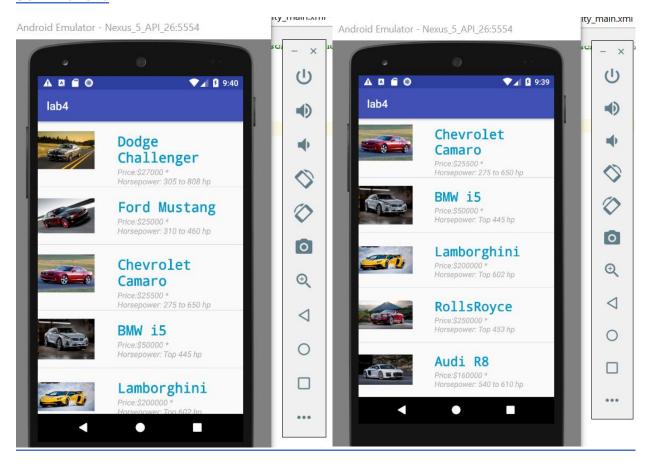
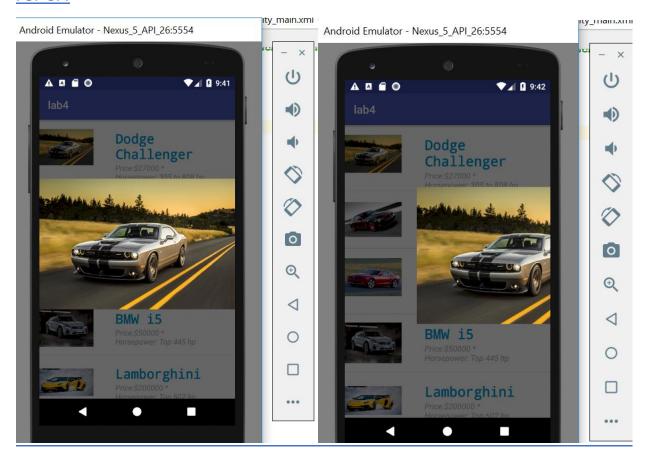
Bhavinkumar Patel - A20410380

ITMD555-Lab4

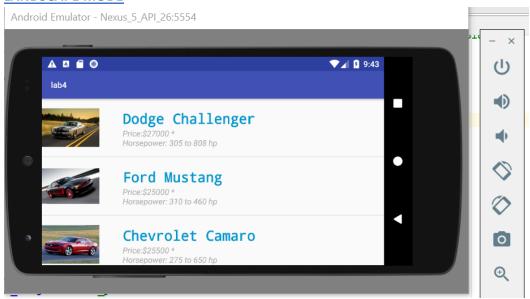
SCREENSHOTS



CAR IMAGE POP UP WHEN USER CLICK ON LIST ITEM. USER CAN SWIPE WRITE TO CLOSE THE POP UP.



LANDSCAPE MODE



ACTIVITY MAIN.XML:

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

```
<android.support.constraint.ConstraintLayout</pre>
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="m.com.lab4.MainActivity">
    <RelativeLayout
        android:id="@+id/relview1"
        android:layout width="match parent"
        android:layout height="match_parent"
        android:layout alignParentStart="true"
        android:layout alignParentTop="true">
        <ListView
            android:id="@+id/carslist"
            android: layout_width="match_parent"
            android:layout_height="match_parent"
            android:layout alignParentStart="true"
            android:layout alignParentTop="true"
    </RelativeLayout>
</android.support.constraint.ConstraintLayout>
CARLAYOUT.XML:
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:layout width="match parent"
    android:layout height="match parent">
    <RelativeLayout
        android:id="@+id/relview1"
        android:layout width="match parent"
        android:layout_height="match_parent"
        android:layout_alignParentStart="true"
        android:layout alignParentTop="true">
        <ImageView</pre>
            android:id="@+id/imageView"
            android:layout width="100dp"
            android:layout height="100dp"
            android:layout alignParentStart="true"
            android:layout alignParentTop="true" />
        <TextView
            android:id="@+id/textView"
            android:layout width="wrap content"
            android:layout_height="wrap_content"
            android:layout alignParentTop="true"
```

android:layout marginStart="40dp"

```
android:layout marginTop="18dp"
            android:layout toEndOf="@+id/imageView"
            android:fontFamily="monospace"
            android:textColor="@android:color/holo blue dark"
            android: textSize="24sp"
            android:textStyle="bold" />
        <TextView
            android:id="@+id/textView2"
            android:layout width="wrap content"
            android: layout height="wrap content"
            android:layout alignStart="@+id/textView"
            android:layout_below="@+id/textView"
            android:textColor="@android:color/darker_gray"
            android:textSize="14sp"
            android:textStyle="italic" />
    </RelativeLayout>
</LinearLayout>
MAINACTIVITY.JAVA
package m.com.lab4;
import android.app.Dialog;
import android.content.DialogInterface;
import android.graphics.drawable.ColorDrawable;
import android.media.Image;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.view.ViewGroup;
import android.view.Window;
import android.widget.AdapterView;
import android.widget.ImageView;
import android.widget.ListAdapter;
import android.widget.ListView;
import android.widget.RelativeLayout;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
    /* Cars Name list */
    String carsNameList[] = new String[]{
            "Dodge Challenger",
            "Ford Mustang",
            "Chevrolet Camaro",
            "BMW i5",
            "Lamborghini",
            "RollsRoyce",
            "Audi R8"};
    /* Cars desc list */
    String carsDescList[] = new String[]{
            "Price:$27000 * \nHorsepower: 305 to 808 hp",
            "Price:$25000 * \nHorsepower: 310 to 460 hp",
            "Price:$25500 * \nHorsepower: 275 to 650 hp",
            "Price:$50000 * \nHorsepower: Top 445 hp",
            "Price:$200000 * \nHorsepower: Top 602 hp",
            "Price:$250000 * \nHorsepower: Top 453 hp",
```

```
"Price:$160000 * \nHorsepower: 540 to 610 hp"};
    /* Cars Image list */
    Integer carsImageList[] = {
            R.drawable.dodge,
            R.drawable.mustang,
            R.drawable.camaro,
            R.drawable.bmwi5,
            R. drawable. lamborghini,
            R.drawable.rollsroyce,
            R.drawable.audir8};
   private ListView listView;
   private ListAdapter listAdapter;
    @Override
   protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity main);
        listView = (ListView) findViewById(R.id.carslist);
        listAdapter = new CarsAdapterList(MainActivity.this, carsImageList,
carsNameList, carsDescList);
        listView.setAdapter(listAdapter);
        /* Implementing lister for item list click. Respective image for clicked list
item would pop up on screen */
        listView.setOnItemClickListener(new AdapterView.OnItemClickListener() {
            @Override
            public void onItemClick(AdapterView<?> parent, View view, int pos, long
id)
                Dialog showImgDialog = new Dialog(MainActivity.this);
                showImgDialog.requestWindowFeature(Window.FEATURE NO TITLE);
                showImgDialog.requestWindowFeature(Window.FEATURE SWIPE TO DISMISS);
showImgDialog.requestWindowFeature(Window.FEATURE ACTIVITY TRANSITIONS);
                showImgDialog.getWindow().setBackgroundDrawable(new
ColorDrawable(android.graphics.Color.TRANSPARENT));
                ImageView imageView = new ImageView(MainActivity.this);
                imageView.setImageResource(carsImageList[pos]);
                RelativeLayout.LayoutParams relLayout = new
RelativeLayout.LayoutParams(
                        RelativeLayout.LayoutParams.WRAP CONTENT,
RelativeLayout.LayoutParams. WRAP CONTENT);
                showImgDialog.addContentView(imageView, relLayout);
                showImgDialog.show();
       });
    }
```

CARDADAPTERLIST.JAVA

```
package m.com.lab4;
import android.app.Activity;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.ArrayAdapter;
import android.widget.ImageView;
import android.widget.TextView;
/* This is an adapter class for List view */
public class CarsAdapterList extends ArrayAdapter
   private final Activity classContext;
   private final Integer[] CarImageList;
   private final String[] carNameList;
   private final String[] carDescList;
   public CarsAdapterList(Activity actCtx, Integer[] carsImage, String[] carsName,
String[] carsDesc)
   {
        super(actCtx, R.layout.carlayout, carsName);
        this.classContext = actCtx;
        this.CarImageList = carsImage;
        this.carNameList = carsName;
        this.carDescList = carsDesc;
   public View getView(int pos, View view, ViewGroup parentView)
        LayoutInflater layoutInflater = this.classContext.getLayoutInflater();
        View listViewElement = layoutInflater.inflate(R.layout.carlayout, null, true);
        ImageView carImgView = (ImageView)
listViewElement.findViewById(R.id.imageView);
        TextView carName = (TextView) listViewElement.findViewById(R.id.textView);
        TextView carDesc = (TextView) listViewElement.findViewById(R.id.textView2);
        carImqView.setImageResource(CarImageList[pos]);
        carName.setText(carNameList[pos]);
        carDesc.setText(carDescList[pos]);
        return listViewElement;
    }
```