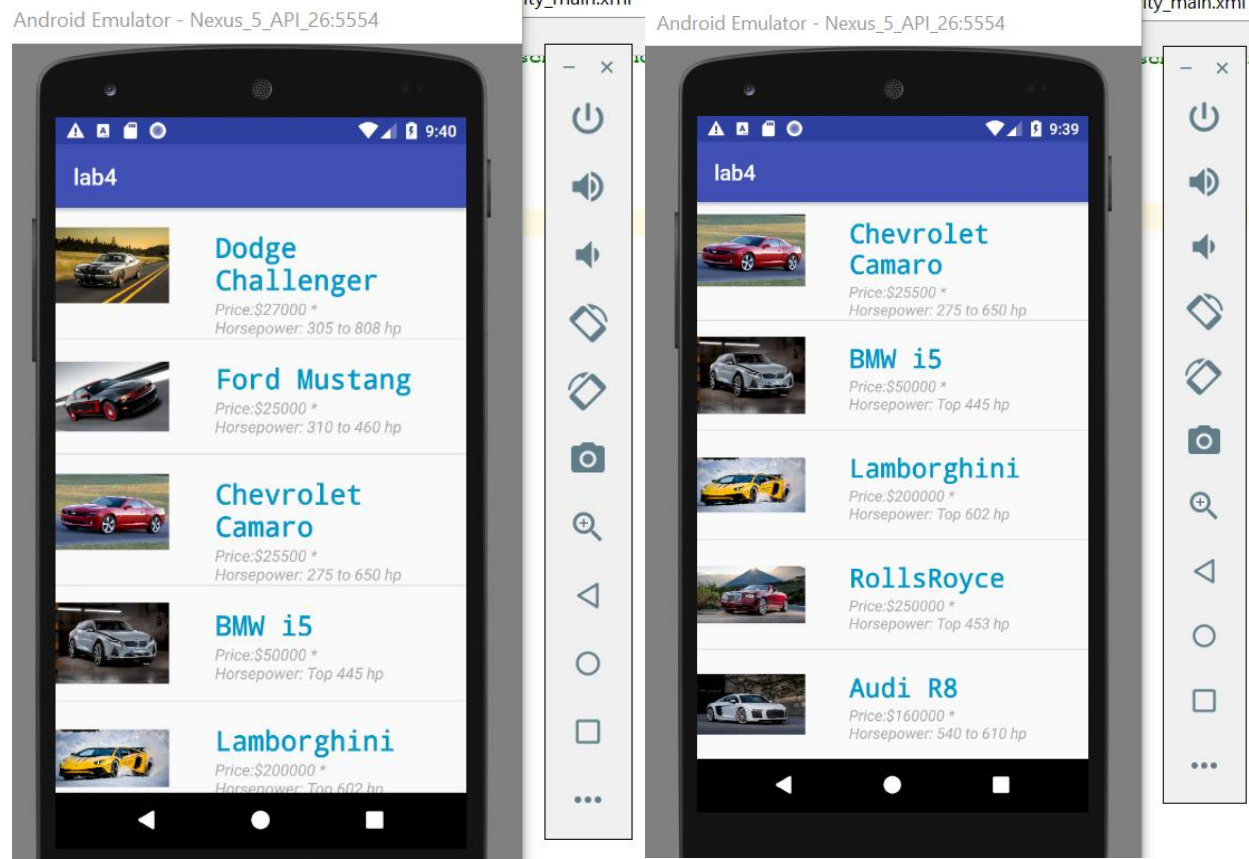
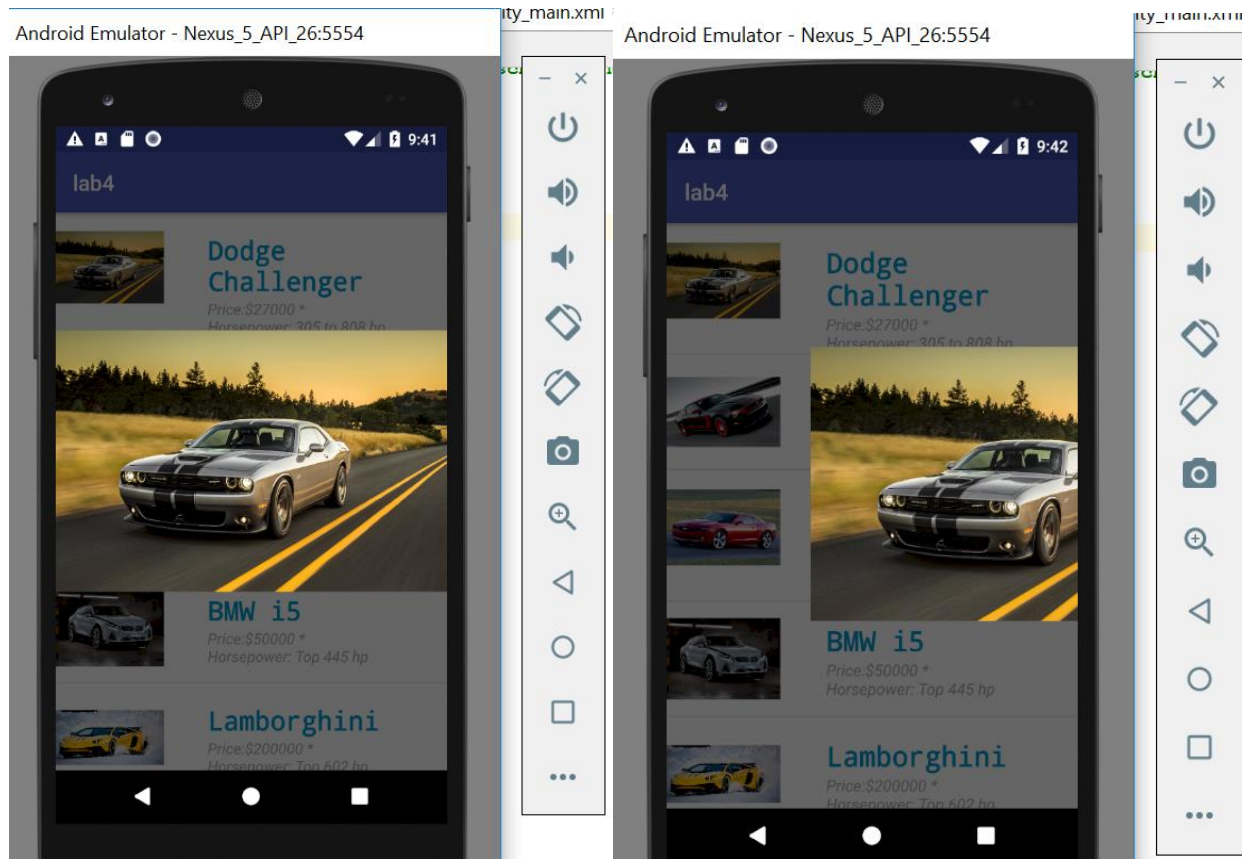

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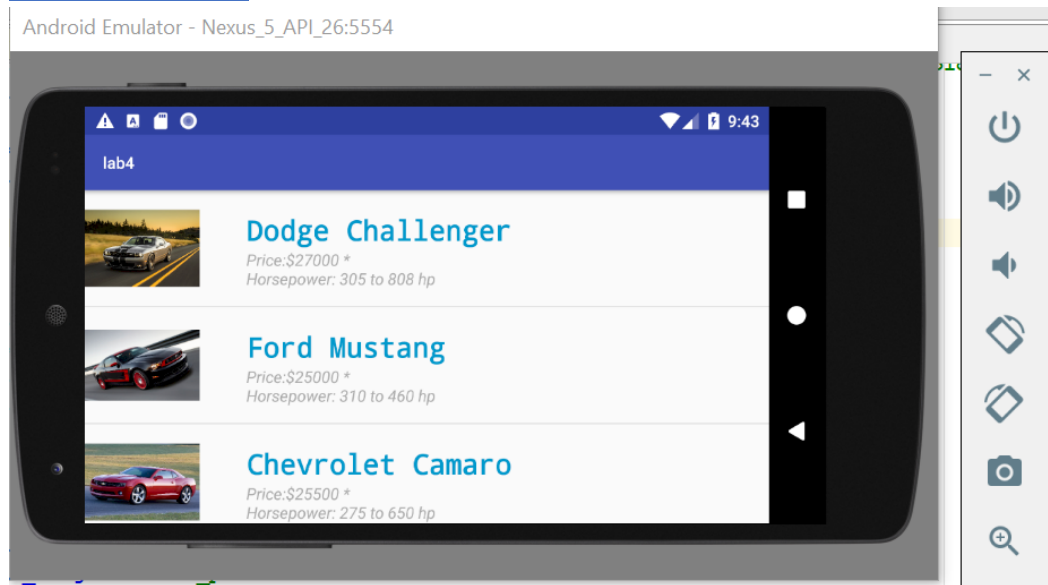
SCREENSHOTS



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
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"
    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
            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"
```



```

        "Price:$160000 * \nHorsepower: 540 to 610 hp"};

    /* Cars Image list */

    Integer carsImageList[] = {
        R.drawable.dodge,
        R.drawable.mustang,
        R.drawable.camaro,
        R.drawable.bmw5,
        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 listener 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);

        carImgView.setImageResource(CarImageList[pos]);
        carName.setText(carNameList[pos]);
        carDesc.setText(carDescList[pos]);

        return listViewElement;
    }
}
```