***LAB7\_MENUS***

MAINACTIVITY.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"  
 android:background="@drawable/lab7\_bg2"  
 tools:context=".MainActivity">  
  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="104dp"  
 android:fontFamily="@font/aclonica"  
 android:text="Jack"  
 android:textSize="24sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toEndOf="@+id/imageView2"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <TextView  
 android:id="@+id/textView5"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="16dp"  
 android:fontFamily="@font/aclonica"  
 android:text="Jack123@gmail.com"  
 android:textSize="20sp"  
 app:layout\_constraintEnd\_toEndOf="@+id/imageView2"  
 app:layout\_constraintHorizontal\_bias="0.461"  
 app:layout\_constraintStart\_toStartOf="@+id/imageView2"  
 app:layout\_constraintTop\_toBottomOf="@+id/imageView2" />  
  
 <TextView  
 android:id="@+id/textView6"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="56dp"  
 android:fontFamily="@font/aclonica"  
 android:text="9876543210"  
 android:textSize="20sp"  
 app:layout\_constraintEnd\_toEndOf="@+id/imageView2"  
 app:layout\_constraintHorizontal\_bias="0.451"  
 app:layout\_constraintStart\_toStartOf="@+id/imageView2"  
 app:layout\_constraintTop\_toBottomOf="@+id/imageView2" />  
  
 <TextView  
 android:id="@+id/textView3"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="172dp"  
 android:fontFamily="@font/aclonica"  
 android:text="MCA"  
 android:textSize="24sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toEndOf="@+id/imageView2"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:fontFamily="@font/alfa\_slab\_one"  
 android:onClick="showPopup"  
 android:text="MARKS"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.498"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/imageView2"  
 app:layout\_constraintVertical\_bias="0.603" />  
  
 <ImageView  
 android:id="@+id/imageView2"  
 android:layout\_width="185dp"  
 android:layout\_height="183dp"  
 android:layout\_marginStart="28dp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.108"  
 app:srcCompat="@drawable/person" />  
  
 <ImageView  
 android:id="@+id/imageView3"  
 android:layout\_width="98dp"  
 android:layout\_height="79dp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.948"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/button"  
 app:layout\_constraintVertical\_bias="0.833"  
 app:srcCompat="@drawable/ic\_baseline\_navigate\_next\_24" />  
</androidx.constraintlayout.widget.ConstraintLayout>

MAINACTIVITY2.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">  
  
 <ScrollView  
 android:layout\_width="372dp"  
 android:layout\_height="681dp"  
  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="1.0"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.0">  
  
 <LinearLayout  
 android:layout\_width="345dp"  
 android:layout\_height="617dp"  
 android:orientation="vertical"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent">  
  
 <androidx.cardview.widget.CardView  
 android:layout\_width="150dp"  
 android:layout\_height="150dp"  
 android:layout\_margin="20dp"  
 app:cardCornerRadius="20dp"  
 app:cardElevation="10dp">  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:gravity="center\_horizontal"  
 android:orientation="vertical">  
  
 <ImageView  
 android:id="@+id/im1"  
 android:layout\_width="100dp"  
 android:layout\_height="100dp"  
 android:layout\_marginTop="10dp"  
 android:src="@drawable/lab7\_stu1" />  
  
 </LinearLayout>  
  
 </androidx.cardview.widget.CardView>  
  
 <androidx.cardview.widget.CardView  
 android:layout\_width="150dp"  
 android:layout\_height="150dp"  
 android:layout\_margin="20dp"  
 app:cardCornerRadius="20dp"  
 app:cardElevation="10dp">  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:gravity="center\_horizontal"  
 android:orientation="vertical">  
  
 <ImageView  
 android:id="@+id/imageView2"  
 android:layout\_width="100dp"  
 android:layout\_height="100dp"  
 android:layout\_marginTop="10dp"  
 android:src="@drawable/lab7\_stu2" />  
  
  
 </LinearLayout>  
  
 </androidx.cardview.widget.CardView>  
  
 <androidx.cardview.widget.CardView  
 android:layout\_width="150dp"  
 android:layout\_height="150dp"  
 android:layout\_margin="20dp"  
 app:cardCornerRadius="20dp"  
 app:cardElevation="10dp">  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:gravity="center\_horizontal"  
 android:orientation="vertical">  
  
 <ImageView  
  
 android:id="@+id/im3"  
 android:layout\_width="100dp"  
 android:layout\_height="100dp"  
 android:layout\_marginTop="10dp"  
 android:src="@drawable/lab7\_stu3" />  
  
 </LinearLayout>  
  
 </androidx.cardview.widget.CardView>  
  
 <androidx.cardview.widget.CardView  
 android:layout\_width="150dp"  
 android:layout\_height="150dp"  
 android:layout\_margin="20dp"  
 app:cardCornerRadius="20dp"  
 app:cardElevation="10dp">  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:gravity="center\_horizontal"  
 android:orientation="vertical">  
  
 <ImageView  
 android:id="@+id/im4"  
 android:layout\_width="100dp"  
 android:layout\_height="100dp"  
 android:layout\_marginTop="10dp"  
 android:contentDescription="TODO"  
 android:src="@drawable/lab7\_stu4" />  
  
  
 </LinearLayout>  
  
 </androidx.cardview.widget.CardView>  
  
 </LinearLayout>  
 </ScrollView>  
  
  
</androidx.constraintlayout.widget.ConstraintLayout>

MAINACTIVITY.JAVA

package com.example.new\_lab7\_menus;  
  
import androidx.annotation.NonNull;  
import androidx.annotation.Nullable;  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.ClipData;  
import android.content.DialogInterface;  
import android.content.Intent;  
import android.graphics.drawable.ColorDrawable;  
import android.net.Uri;  
import android.os.Bundle;  
import android.provider.MediaStore;  
import android.view.Gravity;  
import android.view.Menu;  
import android.view.MenuInflater;  
import android.view.MenuItem;  
import android.view.View;  
import android.view.ViewTreeObserver;  
import android.widget.ImageView;  
import android.widget.PopupMenu;  
import android.widget.Switch;  
import android.widget.Toast;  
  
import com.google.android.material.dialog.MaterialAlertDialogBuilder;  
  
public class MainActivity extends AppCompatActivity implements PopupMenu.OnMenuItemClickListener {  
  
  
  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
  
  
 getSupportActionBar().setBackgroundDrawable(new ColorDrawable(getResources().getColor(R.color.*teal\_200*)));  
  
 ImageView imageView = (ImageView) findViewById(R.id.*imageView3*);  
 imageView.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 Intent intent = new Intent(MainActivity.this,MainActivity2.class);  
 startActivity(intent);  
 }  
 });  
 }  
  
 @Override  
 public boolean onCreateOptionsMenu(Menu menu) {  
 MenuInflater inflater = getMenuInflater();  
 inflater.inflate(R.menu.*firstpage\_menus*,menu);  
 return true;  
 }  
  
 @Override  
 public boolean onOptionsItemSelected(@NonNull MenuItem item) {  
 switch (item.getItemId()){  
 case R.id.*home*:  
 Toast.*makeText*(this,"Returned to Home Page" , Toast.*LENGTH\_SHORT*).show();  
 Intent intent = new Intent(MainActivity.this,MainActivity.class);  
 startActivity(intent);  
 finish();  
 return true;  
  
 case R.id.*search*:  
 Toast.*makeText*(this,"Searching..." , Toast.*LENGTH\_SHORT*).show();  
 return true;  
  
 case R.id.*profile*:  
 Toast.*makeText*(this,"Details" , Toast.*LENGTH\_SHORT*).show();  
 new MaterialAlertDialogBuilder(MainActivity.this)  
 .setTitle("Details")  
 .setMessage("Name : Jack\n " +  
 "Age: 22 \nCourse : MCA")  
 .setNeutralButton("OK", new DialogInterface.OnClickListener() {  
 @Override  
 public void onClick(DialogInterface dialogInterface, int i) {  
 dialogInterface.dismiss();  
 }  
 })  
 .show();  
 return true;  
  
 case R.id.*setting*:  
 Toast.*makeText*(this,"Go to Settings " , Toast.*LENGTH\_SHORT*).show();  
 return true;  
  
 case R.id.*more*:  
// Toast.makeText(this,"" , Toast.LENGTH\_SHORT).show();  
 return true;  
  
 case R.id.*logout*:  
 Toast.*makeText*(this,"Logged Out" , Toast.*LENGTH\_SHORT*).show();  
 finish();  
 return true;  
  
 case R.id.*location*:  
 Intent intent1 = new Intent(Intent.*ACTION\_VIEW*);  
 intent1.setData(Uri.*parse*("geo:12.9393585,77.5940298"));  
 startActivity(intent1);  
 return true;  
  
 case R.id.*phone*:  
 Intent intent2 = new Intent(Intent.*ACTION\_DIAL*);  
 intent2.setData(Uri.*parse*("tel:+91976543210"));  
 startActivity(intent2);  
 return true;  
  
 case R.id.*camera*:  
 Intent intent3 = new Intent(MediaStore.*ACTION\_IMAGE\_CAPTURE*);  
 startActivity(intent3);  
 return true;  
  
  
 case R.id.*message*:  
// Intent intent4 = new Intent(Intent.ACTION\_SENDTO);  
// intent4.setData(Uri.parse("mailto:")); // only email apps should handle this  
// intent4.putExtra(Intent.EXTRA\_EMAIL, "abcd@gmail.com");  
// intent4.putExtra(Intent.EXTRA\_SUBJECT, "Review");  
// if (intent4.resolveActivity(getPackageManager()) != null) {  
// startActivity(intent4);  
// }  
 Intent intent4 = new Intent(Intent.*ACTION\_SENDTO*);  
 intent4.setData(Uri.*parse*("mailto:ok@christuniversity.in"));  
 startActivity(intent4);  
  
 default:  
 return super.onOptionsItemSelected(item);  
 }  
 }  
  
  
 public void showPopup(View view) {  
 PopupMenu popup = new PopupMenu(this,view);  
 popup.setOnMenuItemClickListener(this);  
 popup.inflate(R.menu.*popup\_menu*);  
 popup.show();  
 }  
  
 @Override  
 public boolean onMenuItemClick(MenuItem menuItem) {  
 switch(menuItem.getItemId()){  
 case R.id.*item2\_1*:  
 Toast toast = Toast.*makeText*(this,"Marks in Java : 80/100",  
 Toast.*LENGTH\_SHORT*);  
 toast.setGravity(Gravity.*CENTER*,1,1);  
 toast.show();  
 return true;  
  
 case R.id.*item2\_2*:  
 Toast toast1 = Toast.*makeText*(this,"Marks in C : 75/100",  
 Toast.*LENGTH\_SHORT*);  
 toast1.setGravity(Gravity.*CENTER*,0,0);  
 toast1.show();  
 return true;  
  
 case R.id.*item2\_3*:  
 Toast toast3 = Toast.*makeText*(this,"Marks in Python : 81/100",  
 Toast.*LENGTH\_SHORT*);  
 toast3.setGravity(Gravity.*CENTER*,1,1);  
 toast3.show();  
 return true;  
  
 case R.id.*item2\_4*:  
 Toast toast4 = Toast.*makeText*(this,"Marks in Android : 79/100",  
 Toast.*LENGTH\_SHORT*);  
 toast4.setGravity(Gravity.*CENTER*,1,1);  
 toast4.show();  
 return true;  
  
 case R.id.*item2\_5*:  
 Toast toast5 = Toast.*makeText*(this,"Marks in Web Development : 88/100",  
 Toast.*LENGTH\_SHORT*);  
 toast5.setGravity(Gravity.*CENTER*,1,1);  
 toast5.show();  
 return true;  
  
 default:  
 return false;  
 }  
 }  
}

MAINACTIVITY2.JAVA

package com.example.new\_lab7\_menus;  
  
import androidx.annotation.NonNull;  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.ActionMode;  
import android.view.ContextMenu;  
import android.view.Menu;  
import android.view.MenuItem;  
import android.view.View;  
import android.widget.ImageView;  
import android.widget.Toast;  
  
public class MainActivity2 extends AppCompatActivity {  
 private ImageView imageView;  
  
 private ActionMode mActionMode;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
  
  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main2*);  
 getSupportActionBar().setDisplayHomeAsUpEnabled(true);  
  
 imageView = findViewById(R.id.*im1*);  
 ImageView imageView2 = findViewById(R.id.*imageView2*);  
 ImageView imageView3 = findViewById(R.id.*im3*);  
 ImageView imageView4 = findViewById(R.id.*im4*);  
// registerForContextMenu(imageView);  
 registerForContextMenu(imageView2);  
 registerForContextMenu(imageView3);  
 registerForContextMenu(imageView4);  
  
 imageView.setOnLongClickListener(new View.OnLongClickListener() {  
 @Override  
 public boolean onLongClick(View v) {  
 if (mActionMode != null) {  
 return false;  
 }  
 mActionMode = startActionMode(mActionModeCallback);  
 return true;  
  
 }  
 });  
 }  
  
  
  
 private ActionMode.Callback mActionModeCallback = new ActionMode.Callback() {  
 @Override  
 public boolean onCreateActionMode(ActionMode mode, Menu menu) {  
 mode.getMenuInflater().inflate(R.menu.*contextmenu*, menu);  
 mode.setTitle("Choose your option");  
 return true;  
 }  
  
 @Override  
 public boolean onPrepareActionMode(ActionMode mode, Menu menu) {  
 return false;  
 }  
  
 @Override  
 public boolean onActionItemClicked(ActionMode mode, MenuItem item) {  
 switch (item.getItemId()) {  
 case R.id.*option\_1*:  
 Toast.*makeText*(MainActivity2.this, "Option 1 selected", Toast.*LENGTH\_SHORT*).show();  
 mode.finish();  
 return true;  
 case R.id.*option\_2*:  
 Toast.*makeText*(MainActivity2.this, "Option 2 selected", Toast.*LENGTH\_SHORT*).show();  
 mode.finish();  
 return true;  
 default:  
 return false;  
 }  
 }  
  
 @Override  
 public void onDestroyActionMode(ActionMode mode) {  
 mActionMode = null;  
 }  
 };  
  
  
 //floating contextual  
 @Override  
 public void onCreateContextMenu(ContextMenu menu, View v, ContextMenu.ContextMenuInfo menuInfo) {  
 getMenuInflater().inflate(R.menu.*contextmenu*,menu);  
 super.onCreateContextMenu(menu, v, menuInfo);  
 }  
  
 @Override  
 public boolean onContextItemSelected(@NonNull MenuItem item) {  
 Toast.*makeText*(this, ""+item.getTitle(), Toast.*LENGTH\_SHORT*).show();  
 return super.onContextItemSelected(item);  
 }  
  
  
}

CONTEXTMENU.XML

<?xml version="1.0" encoding="utf-8"?>  
<menu xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto">  
 <item  
 android:id="@+id/option\_1"  
 android:title="Delete"  
 android:icon="@drawable/ic\_baseline\_delete\_24"  
 app:showAsAction="always"/>  
  
 <item  
 android:id="@+id/option\_2"  
 android:icon="@drawable/ic\_share"  
 android:title="Share" />  
  
<item  
 android:id="@+id/check\_option"  
 android:title="check"  
 android:icon="@drawable/download"  
 app:showAsAction="ifRoom"/>  
  
 <item  
 android:id="@+id/check\_option2"  
 android:title="check2"  
 android:icon="@drawable/ic\_baseline\_arrow\_drop\_up\_24"  
 app:showAsAction="ifRoom">  
  
</item>  
  
</menu>

FIRSTPAGE\_MENU.XML

<?xml version="1.0" encoding="utf-8"?>  
<menu xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto">  
  
 <item android:id="@+id/home"  
 android:title="Home"  
 android:icon="@drawable/home\_icon"  
 app:showAsAction="always">  
  
 </item>  
 <item android:id="@+id/search"  
 android:title="Search"  
 android:icon="@drawable/search\_icon"  
 app:showAsAction="always">  
 </item>  
 <item android:id="@+id/profile"  
 android:title="Profile"  
 android:icon="@drawable/person\_icon"  
 app:showAsAction="always">  
 </item>  
  
 <item android:id="@+id/setting"  
 android:title="Settings"  
 android:icon="@drawable/setting\_icon"  
 app:showAsAction="never">  
 </item>  
 <item android:id="@+id/camera"  
 android:title="Open Camera"  
 android:icon="@drawable/ic\_camera"  
 app:showAsAction="never">  
 </item>  
  
 <item android:id="@+id/more"  
 android:title="More Items"  
 app:showAsAction="never">  
 <menu>  
 <item android:id="@+id/phone"  
 android:title="Contact Us"  
 android:icon="@drawable/phone\_icon"  
 app:showAsAction="never">  
  
 </item>  
  
 <item android:id="@+id/location"  
 android:title="Locate Us"  
 android:icon="@drawable/location\_icon"  
 app:showAsAction="never">  
  
 </item>  
  
  
  
 <item android:id="@+id/message"  
 android:title="Message us"  
 android:icon="@drawable/message\_icon"  
 app:showAsAction="never">  
 </item>  
  
 <item android:id="@+id/logout"  
 android:title="Log Out"  
 android:icon="@drawable/sign\_out\_icon"  
 app:showAsAction="never">  
  
 </item>  
 </menu>  
 </item>  
</menu>

POPUPMENU.XML

<?xml version="1.0" encoding="utf-8"?>  
<menu xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto">  
  
 <item  
 android:id="@+id/item2\_1"  
 android:title="JAVA">  
 </item>  
  
 <item  
 android:id="@+id/item2\_2"  
 android:title="C">  
 </item>  
  
 <item  
 android:id="@+id/item2\_3"  
 android:title="PYTHON">  
 </item>  
  
 <item  
 android:id="@+id/item2\_4"  
 android:title="ANDROID">  
 </item>  
  
 <item  
 android:id="@+id/item2\_5"  
 android:title="WEB DEVELOPMENT">  
 </item>  
</menu>

MANIFEST

<?xml version="1.0" encoding="utf-8"?>  
<manifest xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 package="com.example.new\_lab7\_menus">  
  
<!-- <uses-permission android:name="loc"-->  
<!-- <uses-permission android:name="android.permission.CAMERA"></uses-permission>-->  
<!-- <uses-permission android:name="android.permission.INTERNET"></uses-permission>-->  
 <application  
 android:allowBackup="true"  
 android:dataExtractionRules="@xml/data\_extraction\_rules"  
 android:fullBackupContent="@xml/backup\_rules"  
 android:icon="@mipmap/ic\_launcher"  
 android:label="@string/app\_name"  
 android:roundIcon="@mipmap/ic\_launcher\_round"  
 android:supportsRtl="true"  
 android:theme="@style/Theme.New\_lab7\_menus"  
 tools:targetApi="31">  
 <activity  
 android:name=".MainActivity2"  
 android:exported="false"  
  
 android:parentActivityName=".MainActivity"/>  
 <activity  
 android:name=".MainActivity"  
 android:exported="true">  
 <intent-filter>  
 <action android:name="android.intent.action.MAIN" />  
<!-- <data android:scheme="mailto" />-->  
 <category android:name="android.intent.category.LAUNCHER" />  
 </intent-filter>  
  
 </activity>  
  
 <meta-data  
 android:name="preloaded\_fonts"  
 android:resource="@array/preloaded\_fonts" />  
 </application>  
  
</manifest>