Manifest Code:

*<?***xml version="1.0" encoding="utf-8"***?>*<**manifest xmlns:android="http://schemas.android.com/apk/res/android"  
 package="com.example.lab10"**>  
  
 <**application  
 android:allowBackup="true"  
 android:icon="@mipmap/ic\_launcher"  
 android:label="@string/app\_name"  
 android:roundIcon="@mipmap/ic\_launcher\_round"  
 android:supportsRtl="true"  
 android:theme="@style/AppTheme"**>  
 <**activity android:name=".MainActivity"**>  
 <**intent-filter**>  
 <**action android:name="android.intent.action.MAIN"** />  
  
 <**category android:name="android.intent.category.LAUNCHER"** />  
 </**intent-filter**>  
 </**activity**>  
 </**application**>  
  
</**manifest**>

Java Code:

**package** com.example.lab10;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.os.Bundle;  
**import** android.content.Intent;  
**import** android.net.Uri;  
**import** android.view.ContextMenu;  
**import** android.view.MenuItem;  
**import** android.view.View;  
**import** android.widget.ImageView;  
**import** android.widget.TextView;  
  
  
**public class** MainActivity **extends** AppCompatActivity {  
  
 ImageView **email**,**phone**,**address**,**website**;  
 TextView **label1**, **label2**,**label3**,**label4**;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 **email** = findViewById(R.id.***email\_image***);  
 **phone** = findViewById(R.id.***phone\_image***);  
 **address** = findViewById(R.id.***address\_image***);  
 **website** = findViewById(R.id.***wesite\_image***);  
 **label1** = findViewById(R.id.***label\_option1***);  
 **label2** = findViewById(R.id.***label\_option2***);  
 **label3** = findViewById(R.id.***label\_option3***);  
 **label4** = findViewById(R.id.***label\_option4***);  
  
  
 registerForContextMenu(**email**);  
 registerForContextMenu(**phone**);  
 registerForContextMenu(**address**);  
 registerForContextMenu(**website**);  
 registerForContextMenu(**label1**);  
 registerForContextMenu(**label2**);  
 registerForContextMenu(**label3**);  
 registerForContextMenu(**label4**);  
 }  
  
 @Override  
 **public void** onCreateContextMenu(ContextMenu menu, View v, ContextMenu.ContextMenuInfo menuInfo) {  
 **super**.onCreateContextMenu(menu, v, menuInfo);  
  
 **int** id = v.getId();  
 menu.setHeaderTitle(**"Whats Next?"**);  
  
 **if**(id == R.id.***phone\_image***)  
 {  
 getMenuInflater().inflate(R.menu.***phone***,menu);  
 }  
 **else if**(id == R.id.***label\_option4***)  
 {  
 getMenuInflater().inflate(R.menu.***phone***,menu);  
 }  
 **else if** (id == R.id.***email\_image***)  
 {  
 getMenuInflater().inflate(R.menu.***email***,menu);  
 }  
 **else if** (id == R.id.***label\_option3***)  
 {  
 getMenuInflater().inflate(R.menu.***email***,menu);  
 }  
 **else if** (id == R.id.***address\_image***)  
 {  
 getMenuInflater().inflate(R.menu.***address***,menu);  
 }  
 **else if** (id == R.id.***label\_option2***)  
 {  
 getMenuInflater().inflate(R.menu.***address***,menu);  
 }  
 **else if** (id == R.id.***wesite\_image***)  
 {  
 getMenuInflater().inflate(R.menu.***website***,menu);  
 }  
 **else if** (id == R.id.***label\_option1***)  
 {  
 getMenuInflater().inflate(R.menu.***website***,menu);  
 }  
 }  
  
 @Override  
 **public boolean** onContextItemSelected(MenuItem item) {  
 **switch** (item.getItemId())  
 {  
 **case** R.id.***p1***:  
  
 Uri number = Uri.*parse*(**"tel:7600251167"**);  
 Intent callIntent = **new** Intent(Intent.***ACTION\_DIAL***, number);  
 startActivity(callIntent);  
  
 **return true**;  
  
 **case** R.id.***p2***:  
  
 Uri number1 = Uri.*parse*(**"tel:5699875515"**);  
 Intent cIntent = **new** Intent(Intent.***ACTION\_DIAL***, number1);  
 startActivity(cIntent);  
  
 **return true**;  
  
  
 **case** R.id.***e1***:  
  
 **final** Intent emailIntent = **new** Intent(android.content.Intent.***ACTION\_SEND***);  
 emailIntent.setType(**"plain/text"**);  
 emailIntent.putExtra(android.content.Intent.***EXTRA\_EMAIL***, **new** String[]{**"ballani.sanjay@mca.christuniversity.in"**});  
 emailIntent.putExtra(android.content.Intent.***EXTRA\_SUBJECT***, **"Hello"**);  
 emailIntent.putExtra(android.content.Intent.***EXTRA\_TEXT***, **"Enter Your Text Here"**);  
 startActivity(emailIntent);  
  
 **return true**;  
  
 **case** R.id.***e2***:  
  
 **final** Intent eIntent = **new** Intent(android.content.Intent.***ACTION\_SEND***);  
 eIntent.setType(**"plain/text"**);  
 eIntent.putExtra(android.content.Intent.***EXTRA\_EMAIL***, **new** String[]{**"saahilballani9925@gmail.com"**});  
 eIntent.putExtra(android.content.Intent.***EXTRA\_SUBJECT***, **"Hello!!"**);  
 eIntent.putExtra(android.content.Intent.***EXTRA\_TEXT***, **"Enter Your Text Here"**);  
 startActivity(eIntent);  
  
 **return true**;  
  
  
 **case** R.id.***a1***:  
  
 Uri location = Uri.*parse*(**"geo:12.934998,77.6028288?q=MCD"**);  
 Intent mapIntent = **new** Intent(Intent.***ACTION\_VIEW***, location);  
 startActivity(mapIntent);  
  
 **return true**;  
  
 **case** R.id.***a2***:  
  
 Uri location1 = Uri.*parse*(**"geo:12.934998,77.6028288?q=Mcdonalds"**);  
 Intent mIntent = **new** Intent(Intent.***ACTION\_VIEW***, location1);  
 startActivity(mIntent);  
  
 **return true**;  
  
  
 **case** R.id.***w1*** :  
  
 Uri webpage = Uri.*parse*(**"https://mcdindia.com/"**);  
 Intent webIntent = **new** Intent(Intent.***ACTION\_VIEW***, webpage);  
 startActivity(webIntent);  
  
 **return true**;  
  
 **case** R.id.***w2*** :  
  
 Uri webpage1 = Uri.*parse*(**"https://en.wikipedia.org/wiki/McDonald%27s"**);  
 Intent wIntent = **new** Intent(Intent.***ACTION\_VIEW***, webpage1);  
 startActivity(wIntent);  
  
 **return true**;  
  
  
 **default**:  
 **return super**.onContextItemSelected(item);  
  
 }  
  
  
 }  
}

XML Code:

*<?***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/gradient"  
 tools:context=".MainActivity"**>  
  
 <**ImageButton  
 android:id="@+id/email\_image"  
 android:layout\_width="156dp"  
 android:layout\_height="105dp"  
 android:layout\_marginTop="24dp"  
 android:layout\_marginEnd="8dp"  
 android:layout\_marginRight="8dp"  
 android:adjustViewBounds="true"  
 android:contentDescription="TODO"  
 android:scaleType="centerCrop"  
 android:src="@drawable/mail\_red"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHeight\_percent="0.5"  
 app:layout\_constraintTop\_toBottomOf="@+id/address\_image"  
 app:layout\_constraintWidth\_percent="0.5"** />  
  
 <**ImageButton  
 android:id="@+id/wesite\_image"  
 android:layout\_width="156dp"  
 android:layout\_height="105dp"  
 android:layout\_marginTop="96dp"  
 android:adjustViewBounds="true"  
 android:contentDescription="TODO"  
 android:scaleType="centerCrop"  
 android:src="@drawable/mcdlogo"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHeight\_percent="0.5"  
 app:layout\_constraintHorizontal\_bias="0.963"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintWidth\_percent="0.5"** />  
  
 <**ImageButton  
 android:id="@+id/phone\_image"  
 android:layout\_width="156dp"  
 android:layout\_height="105dp"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginEnd="8dp"  
 android:layout\_marginRight="8dp"  
 android:adjustViewBounds="true"  
 android:contentDescription="TODO"  
 android:scaleType="centerCrop"  
 android:src="@drawable/mcdcall"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHeight\_percent="0.5"  
 app:layout\_constraintTop\_toBottomOf="@+id/email\_image"  
 app:layout\_constraintWidth\_percent="0.5"** />  
  
 <**ImageButton  
 android:id="@+id/address\_image"  
 android:layout\_width="156dp"  
 android:layout\_height="105dp"  
 android:layout\_marginTop="20dp"  
 android:adjustViewBounds="true"  
 android:contentDescription="TODO"  
 android:scaleType="centerCrop"  
 android:src="@drawable/mcdlocation"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHeight\_percent="0.5"  
 app:layout\_constraintHorizontal\_bias="0.963"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/wesite\_image"  
 app:layout\_constraintWidth\_percent="0.5"** />  
  
 <**TextView  
 android:id="@+id/textView5"  
 android:layout\_width="0dp"  
 android:layout\_height="65dp"  
 android:layout\_marginTop="16dp"  
 android:adjustViewBounds="true"  
 android:background="@drawable/gradient"  
 android:scaleType="centerInside"  
 android:text="Welcome To MCDONALDS"  
 android:textColor="#090909"  
 android:textSize="24sp"  
 android:textStyle="bold|italic"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 tools:ignore="MissingConstraints"** />  
  
 <**TextView  
 android:id="@+id/label\_option1"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="32dp"  
 android:layout\_marginLeft="32dp"  
 android:layout\_marginTop="52dp"  
 android:text="@string/option1"  
 android:textColor="@android:color/background\_light"  
 android:textSize="23sp"  
 android:textStyle="bold"  
 android:typeface="sans"  
 app:layout\_constraintEnd\_toStartOf="@+id/wesite\_image"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView5"** />  
  
 <**TextView  
 android:id="@+id/label\_option2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="48dp"  
 android:layout\_marginLeft="48dp"  
 android:layout\_marginTop="96dp"  
 android:text="@string/option2"  
 android:textColor="@android:color/background\_light"  
 android:textSize="23sp"  
 android:textStyle="bold"  
 android:typeface="sans"  
 app:layout\_constraintEnd\_toStartOf="@+id/address\_image"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/label\_option1"** />  
  
 <**TextView  
 android:id="@+id/label\_option3"  
 android:layout\_width="189dp"  
 android:layout\_height="73dp"  
 android:layout\_marginStart="48dp"  
 android:layout\_marginLeft="48dp"  
 android:layout\_marginTop="84dp"  
 android:text="@string/option3"  
 android:textColor="@android:color/background\_light"  
 android:textSize="23sp"  
 android:textStyle="bold"  
 android:typeface="sans"  
 app:layout\_constraintEnd\_toStartOf="@+id/email\_image"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/label\_option2"** />  
  
 <**TextView  
 android:id="@+id/label\_option4"  
 android:layout\_width="96dp"  
 android:layout\_height="35dp"  
 android:layout\_marginStart="72dp"  
 android:layout\_marginLeft="72dp"  
 android:layout\_marginTop="80dp"  
 android:text="@string/option4"  
 android:textColor="@android:color/background\_light"  
 android:textSize="23sp"  
 android:textStyle="bold"  
 android:typeface="sans"  
 app:layout\_constraintEnd\_toStartOf="@+id/phone\_image"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/label\_option3"** />  
  
</**androidx.constraintlayout.widget.ConstraintLayout**>

Screenshots:





