

activity_main.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"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity"
    android:orientation="vertical">
    <fragment
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/fragment2"
        class="com.example.ciel_c.Registration"
        tools:layout="@layout/fragment_registration"
        />
    <fragment android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/fragment1"
        class="com.example.ciel_c.ProductList"
        tools:layout="@layout/fragment_product_list"/>
</LinearLayout>
```

MainActivity.java

```
package com.example.ciel_c;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;
import androidx.fragment.app.FragmentManager;
import androidx.fragment.app.FragmentTransaction;

import android.content.DialogInterface;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.widget.CheckBox;
import android.widget.EditText;
import android.widget.RadioButton;
import android.widget.Spinner;

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        getSupportFragmentManager().beginTransaction().
            add(R.id.fragment1,new ProductList()).commit();
    }
}
```

```

@Override
public boolean onCreateOptionsMenu(Menu menu) {
    getMenuInflater().inflate(R.menu.option_menu, menu);
    return true;
}

@Override
public boolean onOptionsItemSelected(@NonNull MenuItem item) {
    if (item.getItemId() == R.id.registration)
    {
        AlertDialog.Builder builder = new AlertDialog.Builder(this);
        View view =
getLayoutInflater().inflate(R.layout.registration, null);
        builder.setMessage("Customer Registration");
        builder.setCancelable(false);
        builder.setView(view);
        builder.setPositiveButton("Save", new
DialogInterface.OnClickListener() {
            @Override
            public void onClick(DialogInterface dialogInterface, int i)
            {
                EditText txtCustomerName =
view.findViewById(R.id.txtCustomerName);
                EditText txtContactNo =
view.findViewById(R.id.txtContactNo);
                RadioButton rbMale = view.findViewById(R.id.rbMale);
                RadioButton rbFemale =
view.findViewById(R.id.rbFemale);
                Spinner spCity = view.findViewById(R.id.spCities);
                CheckBox chkClothes =
view.findViewById(R.id.chkClothes);
                CheckBox chkAccessories =
view.findViewById(R.id.chkAccessories);
                CheckBox chkElectronics =
view.findViewById(R.id.chkElectronics);

                String Gender;
                if (rbMale.isChecked())
                {
                    Gender = "Male";
                }
                else
                {
                    Gender = "Female";
                }

                String InterestedArea = null;
                if (chkClothes.isChecked())
                {
                    InterestedArea = chkClothes.getText().toString();
                }
                if (chkAccessories.isChecked())
                {
                    InterestedArea += "\n" +
chkAccessories.getText().toString();
                }
                if (chkElectronics.isChecked())
                {
                    InterestedArea += "\n" +
chkElectronics.getText().toString();
                }
            }
        });
    }
}

```

```

        String Content = "Customer Name : " +
txtCustomerName.getText().toString() +
        "\n Gender : " + Gender +
        "\n City : " +
spCity.getSelectedItem().toString() +
        "\n Interested Shopping Area : " +
InterestedArea;

        Registration mFragment = new Registration();
        Bundle bundle = new Bundle();
        bundle.putString("content", Content);

bundle.putString("contactno", txtContactNo.getText().toString());
        mFragment.setArguments(bundle);

getSupportFragmentManager().beginTransaction().replace(R.id.fragment2, mFragment).commit();
    }
    });
    builder.setNegativeButton("Cancel", new
DialogInterface.OnClickListener() {
        @Override
        public void onClick(DialogInterface dialogInterface, int i)
{
            dialogInterface.cancel();
        }
    });

    AlertDialog dialog = builder.create();
    dialog.show();
}
return true;
}
}
}

```

custom_item_list.xml

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="horizontal"
    android:layout_width="match_parent"
    android:layout_height="match_parent">
    <ImageView
        android:layout_width="200dp"
        android:layout_height="200dp"
        android:id="@+id/imgProduct"/>
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="vertical">
        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"

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        android:id="@+id/lblProductName"
        android:layout_margin="5dp"
        android:textStyle="bold"/>
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/lblProductDescription"
        android:layout_margin="5dp"/>
    </LinearLayout>
</LinearLayout>

```

fragment_product_list.xml

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".ProductList"
    android:orientation="vertical">

    <ListView android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/lstProductList"/>

</LinearLayout>

```

ProductList.java

```

package com.example.ciel_c;

import android.os.Bundle;

import androidx.fragment.app.Fragment;

import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.ListView;

public class ProductList extends Fragment {

    String[] ProductName = {
        "Smart Watch For Kids",
        "sekyo S1 Smartwatch Kids AGPS",
        "Wearfit Champ 2G Flash Kids",
        "TrailO ™ iSecureRelyCam",
        "Noise Scout Kids Smartwatch"
    };
    String[] Description = {

```

"Exciting New Gadget for Kids: The V2A smart watch for kids girls and boys is an excellent accessory for curious kids who want to have tons of fun and enjoy a child-friendly gadget. This kids smart watch has a slim and modern design in cool colors that looks amazing in any outfit.",

"With our SEKYO app, you can easily and privately find your child anywhere in the from your phone.; Smartwatch Features- SOS, Voice Calling, Geo-fencing, Camera, Remote Voice Monitoring, Micro Sim",

"IP67 Waterproof Smart Watch Phone: The watch uses advanced waterproof design of IP67 so that you don't need to worry about the watch will be damaged, Make life easier for your children.",

"SOS Call Function (Emergency Button): if kids are in danger situation, they can long press SOS button for 3s, It circularly dials 3 sos numbers for two turns. It will stop when call is answered.",

"Parent video calling - Parents can video call their child to know that they are in a safe environment. Kids can only interact with parent approved contacts"

```
};

int[] Images={
    R.drawable.watch1,
    R.drawable.watch2,
    R.drawable.watch3,
    R.drawable.watch4,
    R.drawable.watch5
};

public ProductList() {
    // Required empty public constructor
}

@Override
public View onCreateView(LayoutInflater inflater, ViewGroup container,
    Bundle savedInstanceState) {
    // Inflate the layout for this fragment
    View view = inflater.inflate(R.layout.fragment_product_list,
container, false);
    ListView lstProductList = view.findViewById(R.id.lstProductList);
    CustomAdapter adapter = new
CustomAdapter(getActivity(), ProductName, Description, Images);
    lstProductList.setAdapter(adapter);
    return view;
}
}
```

registration.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical"
    android:layout_width="match_parent"
    android:layout_height="match_parent">
    <EditText
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/txtCustomerName"
        android:hint="Enter Customer Name"
        android:inputType="text"/>
    <EditText
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/txtContactNo"
        android:hint="Enter Contact No"
        android:inputType="number"/>
    <RadioGroup
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal">
        <RadioButton
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:id="@+id/rbMale"
            android:text="Male"/>
        <RadioButton
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:id="@+id/rbFemale"
            android:text="Female"/>
    </RadioGroup>
    <Spinner
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/spCities"
        android:layout_margin="5dp"
        android:entries="@array/cities"/>
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Select Interested Shopping Categories"/>
    <CheckBox
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/chkClothes"
        android:text="Clothes"/>
    <CheckBox
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/chkElectronics"
        android:text="Electronics and Mobile"/>
    <CheckBox
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/chkAccessories"
        android:text="Accessories"/>
</LinearLayout>
```

fragment_registration.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Registration"
    android:orientation="vertical">

    <!-- TODO: Update blank fragment layout -->
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/lblContent"/>
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/lblContactNo"/>
    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/btnSMS"
        android:text="Send SMS"
        android:visibility="gone"/>

</LinearLayout>
```

Registration.java

```
package com.example.ciel_c;

import android.content.Intent;
import android.net.Uri;
import android.os.Bundle;

import androidx.fragment.app.Fragment;

import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.Button;
import android.widget.TextView;

public class Registration extends Fragment {

    public Registration() {
        // Required empty public constructor
    }

    @Override
    public View onCreateView(LayoutInflater inflater, ViewGroup container,
                             Bundle savedInstanceState) {
        // Inflate the layout for this fragment
        View view = inflater.inflate(R.layout.fragment_registration,
container, false);
        TextView lblContent = view.findViewById(R.id.lblContent);
        TextView lblContactNo = view.findViewById(R.id.lblContactNo);
        Button btnSMS = view.findViewById(R.id.btnSMS);
        Bundle bundle = getArguments();
        if(bundle != null) {
            String content = bundle.getString("content");
            String contactNo = bundle.getString("contactno");
            lblContent.setText(content);
            lblContactNo.setText("Contact No : " + contactNo);
            btnSMS.setVisibility(View.VISIBLE);
            btnSMS.setOnClickListener(new View.OnClickListener() {
                @Override
                public void onClick(View view) {
                    Intent i = new Intent(Intent.ACTION_SENDTO);
                    i.putExtra("sms_body", content);
                    i.putExtra("address", contactNo);
                    i.setData(Uri.parse("smsto:"));
                    startActivity(i);
                }
            });
        }
        return view;
    }
}
```


CustomAdapter.java

```
package com.example.ciel_c;

import android.app.Activity;
import android.content.Context;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.ArrayAdapter;
import android.widget.ImageView;
import android.widget.TextView;

import androidx.annotation.NonNull;
import androidx.annotation.Nullable;

public class CustomAdapter extends ArrayAdapter<String> {
    private static Activity Context;
    private static String[] ProductName;
    private static String[] Description;
    private static int[] ProductImages;

    public CustomAdapter(@NonNull Activity context, String[] productname,
String[] description,
        int[] images) {
        super(context, R.layout.custom_item_list, productname);
        this.Context = context;
        this.ProductName = productname;
        this.Description = description;
        this.ProductImages = images;
    }

    @NonNull
    @Override
    public View getView(int position, @Nullable View convertView, @NonNull
ViewGroup parent) {
        LayoutInflater inflater = LayoutInflater.from(parent.getContext());
        View view =
inflater.inflate(R.layout.custom_item_list, parent, false);

        TextView lblProductName = view.findViewById(R.id.lblProductName);
        TextView lblDescription =
view.findViewById(R.id.lblProductDescription);
        ImageView imgProduct = view.findViewById(R.id.imgProduct);

        lblProductName.setText(ProductName[position].toString());
        lblDescription.setText(Description[position].toString());
        imgProduct.setImageResource(ProductImages[position]);
        return view;
    }
}
```