package com.example.hw82844629;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.ListView;  
import androidx.appcompat.app.AppCompatActivity;  
import java.util.ArrayList;  
import java.util.jar.Attributes;  
  
public class MainActivity extends AppCompatActivity {  
 private ListView listViewContacts;  
 private CustomAdapter adapter;  
 private ArrayList<Contacts> contactsList = new ArrayList<>();  
 private DatabaseHelper databaseHelper;  
  
 private EditText editTextName, editTextPhone, editTextEmail;  
 private Button buttonSave;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 databaseHelper = new DatabaseHelper(this);  
  
 listViewContacts = findViewById(R.id.*listview\_contacts*);  
 adapter = new CustomAdapter(this, contactsList);  
 listViewContacts.setAdapter(adapter);  
  
 editTextName = findViewById(R.id.*nameEditText*);  
 editTextPhone = findViewById(R.id.*phoneEditText*);  
 editTextEmail = findViewById(R.id.*emailEditText*);  
 buttonSave = findViewById(R.id.*saveButton*);  
  
 buttonSave.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 saveContact();  
   
 }  
 });  
  
 loadContacts();  
 }  
  
 private void saveContact() {  
 String name = editTextName.getText().toString().trim();  
 String phone = editTextPhone.getText().toString().trim();  
 String email = editTextEmail.getText().toString().trim();  
  
 if (!name.isEmpty() && !phone.isEmpty() && !email.isEmpty()) {  
 Contacts newContact = new Contacts(name, phone, email); *// Assuming Contacts class constructor* databaseHelper.addContact(newContact);  
 contactsList.add(newContact);  
 adapter.notifyDataSetChanged();  
  
 editTextName.setText("");  
 editTextPhone.setText("");  
 editTextEmail.setText("");  
 }  
 }  
  
 private void loadContacts() {  
 contactsList.clear();  
 contactsList.addAll(databaseHelper.getAllContacts());  
 adapter.notifyDataSetChanged();  
 }  
  
 @Override  
 protected void onResume() {  
 super.onResume();  
 loadContacts();  
 }  
}

<EditText  
 android:id="@+id/nameEditText"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Name"/>  
  
<EditText  
 android:id="@+id/phoneEditText"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Phone"/>  
  
<EditText  
 android:id="@+id/emailEditText"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Email"/>  
  
  
<Button  
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 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Save"/>  
  
<ListView  
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 android:layout\_width="match\_parent"  
 android:layout\_height="0dp"  
 android:layout\_weight="1"/>