File contact:

package com.example.baitapbuoi4;  
  
public class Contact {  
 private int id;  
 private String name;  
 private String phoneNumber;  
  
 public Contact() {  
 }  
  
 public Contact(int id, String name, String phoneNumber) {  
 this.id = id;  
 this.name = name;  
 this.phoneNumber = phoneNumber;  
 }  
  
 public Contact(String name, String phoneNumber) {  
 this.name = name;  
 this.phoneNumber = phoneNumber;  
 }  
  
 public int getId() {  
 return id;  
 }  
  
 public void setId(int id) {  
 this.id = id;  
 }  
  
 public String getName() {  
 return name;  
 }  
  
 public void setName(String name) {  
 this.name = name;  
 }  
  
 public String getPhoneNumber() {  
 return phoneNumber;  
 }  
  
 public void setPhoneNumber(String phoneNumber) {  
 this.phoneNumber = phoneNumber;  
 }  
}

File ContactAdapter:

package com.example.baitapbuoi4;  
  
import android.content.Context;  
import android.view.LayoutInflater;  
import android.view.View;  
import android.view.ViewGroup;  
import android.widget.ArrayAdapter;  
import android.widget.TextView;  
import androidx.annotation.NonNull;  
import androidx.annotation.Nullable;  
import java.util.List;  
  
public class ContactAdapter extends ArrayAdapter<Contact> {  
 private Context context;  
 private List<Contact> contacts;  
  
 public ContactAdapter(Context context, List<Contact> contacts) {  
 super(context, R.layout.*item\_contact*, contacts);  
 this.context = context;  
 this.contacts = contacts;  
 }  
  
 @NonNull  
 @Override  
 public View getView(int position, @Nullable View convertView, @NonNull ViewGroup parent) {  
 if (convertView == null) {  
 convertView = LayoutInflater.*from*(context).inflate(R.layout.*item\_contact*, parent, false);  
 }  
  
 Contact contact = contacts.get(position);  
  
 TextView tvName = convertView.findViewById(R.id.*tv\_name*);  
 TextView tvPhone = convertView.findViewById(R.id.*tv\_phone*);  
  
 tvName.setText(contact.getName());  
 tvPhone.setText(contact.getPhoneNumber());  
  
 return convertView;  
 }  
}

File DatabaseHandler:

package com.example.baitapbuoi4;  
  
import android.content.ContentValues;  
import android.content.Context;  
import android.database.Cursor;  
import android.database.sqlite.SQLiteDatabase;  
import android.database.sqlite.SQLiteOpenHelper;  
  
import java.util.ArrayList;  
import java.util.List;  
  
public class DatabaseHandler extends SQLiteOpenHelper {  
  
 // Thông tin database  
 private static final int *DATABASE\_VERSION* = 1;  
 private static final String *DATABASE\_NAME* = "contactsManager";  
 private static final String *TABLE\_CONTACTS* = "contacts";  
  
 // Tên cột  
 private static final String *KEY\_ID* = "id";  
 private static final String *KEY\_NAME* = "name";  
 private static final String *KEY\_PHONE* = "phone";  
  
 public DatabaseHandler(Context context) {  
 super(context, *DATABASE\_NAME*, null, *DATABASE\_VERSION*);  
 }  
  
 @Override  
 public void onCreate(SQLiteDatabase db) {  
 String CREATE\_CONTACTS\_TABLE = "CREATE TABLE " + *TABLE\_CONTACTS* + "("  
 + *KEY\_ID* + " INTEGER PRIMARY KEY AUTOINCREMENT,"  
 + *KEY\_NAME* + " TEXT,"  
 + *KEY\_PHONE* + " TEXT" + ")";  
 db.execSQL(CREATE\_CONTACTS\_TABLE);  
 }  
  
 @Override  
 public void onUpgrade(SQLiteDatabase db, int oldVersion, int newVersion) {  
 db.execSQL("DROP TABLE IF EXISTS " + *TABLE\_CONTACTS*);  
 onCreate(db);  
 }  
  
 // Thêm 1 contact  
 public void addContact(Contact contact) {  
 SQLiteDatabase db = this.getWritableDatabase();  
 ContentValues values = new ContentValues();  
 values.put(*KEY\_NAME*, contact.getName());  
 values.put(*KEY\_PHONE*, contact.getPhoneNumber());  
  
 db.insert(*TABLE\_CONTACTS*, null, values);  
 db.close();  
 }  
  
 // Lấy tất cả contact  
 public List<Contact> getAllContacts() {  
 List<Contact> contactList = new ArrayList<>();  
 String selectQuery = "SELECT \* FROM " + *TABLE\_CONTACTS* + " ORDER BY " + *KEY\_ID* + " ASC";  
  
 SQLiteDatabase db = this.getReadableDatabase();  
 Cursor cursor = db.rawQuery(selectQuery, null);  
  
 if (cursor.moveToFirst()) {  
 do {  
 int id = cursor.getInt(cursor.getColumnIndexOrThrow(*KEY\_ID*));  
 String name = cursor.getString(cursor.getColumnIndexOrThrow(*KEY\_NAME*));  
 String phone = cursor.getString(cursor.getColumnIndexOrThrow(*KEY\_PHONE*));  
  
 // Tạo Contact bằng constructor có tham số  
 Contact contact = new Contact(id, name, phone);  
 contactList.add(contact);  
 } while (cursor.moveToNext());  
 }  
  
 cursor.close();  
 db.close();  
 return contactList;  
 }  
  
 // Xóa contact  
 public void deleteContact(Contact contact) {  
 SQLiteDatabase db = this.getWritableDatabase();  
 db.delete(*TABLE\_CONTACTS*, *KEY\_ID* + " = ?", new String[]{String.*valueOf*(contact.getId())});  
 db.close();  
 }  
}

File MainActivity:

package com.example.baitapbuoi4;  
  
import android.view.View;  
import android.widget.AdapterView;  
import android.os.Bundle;  
import android.util.Log;  
import android.widget.ListView;  
import android.widget.Toast;  
import androidx.appcompat.app.AppCompatActivity;  
import java.util.List;  
  
public class MainActivity extends AppCompatActivity {  
 private DatabaseHandler db;  
 private ListView lvContact;  
 private ContactAdapter contactAdapter;  
 private List<Contact> contactList;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 lvContact = findViewById(R.id.*lv\_contact*);  
 db = new DatabaseHandler(this);  
  
 Log.*d*("Insert: ", "Inserting ..");  
 db.addContact(new Contact("Ongt", "0910000000"));  
 db.addContact(new Contact("Thái", "0999999999"));  
 db.addContact(new Contact("Nghĩa", "0988888888"));  
 db.addContact(new Contact("Bình", "0933333333"));  
  
 contactList = db.getAllContacts();  
 contactAdapter = new ContactAdapter(this, contactList);  
 lvContact.setAdapter(contactAdapter);  
  
 Log.*d*("Reading: ", "Reading all contacts..");  
 for (Contact cn : contactList) {  
 String log = "Id: " + cn.getId() + " , Name: " + cn.getName() + " , Phone: " + cn.getPhoneNumber();  
 Log.*d*("Name: ", log);  
 }  
  
 lvContact.setOnItemLongClickListener((AdapterView<?> parent, View view, int position, long id) -> {  
 Contact contact = contactList.get(position);  
 db.deleteContact(contact);  
 contactList.remove(position);  
 contactAdapter.notifyDataSetChanged();  
 Toast.*makeText*(MainActivity.this, "Deleted " + contact.getName(), Toast.*LENGTH\_SHORT*).show();  
 return true;  
 });  
 }  
}

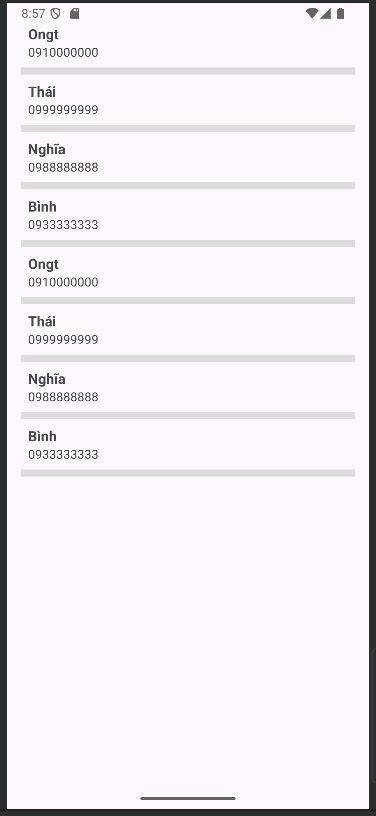
File activity\_main:

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="match\_parent" android:layout\_height="match\_parent"  
 android:orientation="vertical" android:padding="16dp">  
  
 <ListView  
 android:id="@+id/lv\_contact"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:dividerHeight="8dp"/>  
</LinearLayout>

File Item\_contact:

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"  
 android:padding="8dp">  
  
 <TextView  
 android:id="@+id/tv\_name"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:textSize="16sp"  
 android:textStyle="bold" />  
  
 <TextView  
 android:id="@+id/tv\_phone"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:textSize="14sp" />  
  
</LinearLayout>

Kết quả:



A screenshot of a phone

AI-generated content may be incorrect.