package com.example.ktbai\_2;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.database.Cursor;  
import android.database.sqlite.SQLiteDatabase;  
import android.os.Bundle;  
import android.view.LayoutInflater;  
import android.view.View;  
import android.widget.Button;  
import android.widget.CheckBox;  
import android.widget.EditText;  
import android.widget.ListView;  
import android.widget.RadioButton;  
import android.widget.Toast;  
  
import com.google.android.material.bottomsheet.BottomSheetDialog;  
  
import java.util.ArrayList;  
import java.util.List;  
  
public class MainActivity extends AppCompatActivity {  
  
 EditText edtHT, edtNS, edtDC;  
 RadioButton rbNam, rbNu;  
 CheckBox cbKT, cbCNTT, cbSP;  
 Button save, show;  
 ListView lvThongTin;  
 private SQLiteDatabase db;  
 private List<ThongTin> ThongTinList;  
 private AdapterThongTin adtTT;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 ThongTinList = new ArrayList<>();  
 adtTT = new AdapterThongTin(MainActivity.this, ThongTinList, R.layout.*item*);  
 AnhXa();  
 createondatabase();  
 showData();  
  
 save.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 insertData();  
 showData();  
  
 }  
 });  
  
 lvThongTin.setAdapter(adtTT);  
  
 chuyenMH();  
 }  
  
 private void createondatabase() {  
  
 db = openOrCreateDatabase("QLSV",*MODE\_PRIVATE*,null);  
  
 String sql = "CREATE TABLE IF NOT EXISTS tbSinhVien (id integer primary key autoincrement , " +  
 "hoten text , ngaysinh text,diachi text,gioitinh text , yeuthich text)";  
 db.execSQL(sql);  
  
 }  
  
 public void showData(){  
 ThongTinList.clear();  
 String sql = "SELECT \* FROM tbSinhVien";  
 Cursor cs = db.rawQuery(sql,null);  
 cs.moveToFirst();  
 while( !cs.isAfterLast() ) {  
 int id = cs.getInt(0);  
 String name = cs.getString(1);  
 String date = cs.getString(2);  
 String diachi = cs.getString(3);  
 String sex = cs.getString(4);  
 String dh = cs.getString(5);  
  
 ThongTin sinhVien = new ThongTin();  
  
 sinhVien.setId(id);  
 sinhVien.setHoten(name);  
 sinhVien.setNgaysinh(date);  
 sinhVien.setDiachi(diachi);  
 sinhVien.setGioitinh(sex);  
 sinhVien.setYeuthich(dh);  
  
 ThongTinList.add(sinhVien);  
 cs.moveToNext();  
 }  
 adtTT.notifyDataSetChanged();  
 }  
  
 public void chuyenMH(){  
  
 show.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 View diglogSheetView = LayoutInflater.*from*(MainActivity.this).inflate(R.layout.*list\_tem*,null);  
 BottomSheetDialog dialog = new BottomSheetDialog(MainActivity.this);  
 dialog.setContentView(diglogSheetView);  
 ListView lv1 =diglogSheetView.findViewById(R.id.*lv\_item2*);  
 lv1.setAdapter(adtTT);  
 adtTT.notifyDataSetChanged();  
 dialog.show();  
 }  
 });  
  
  
 }  
  
 public void insertData(){  
 String name = edtHT.getText().toString();  
 String date1 = edtNS.getText().toString();  
 String diachi = edtDC.getText().toString();  
 String GT = "";  
 if(rbNam.isChecked()){  
 GT="Nam";  
 }else if(rbNu.isChecked()){  
 GT="Nữ";  
 }  
 String dh1 = " ";  
 if(cbKT.isChecked()){  
 dh1 += cbKT.getText().toString();  
 }  
 if(cbCNTT.isChecked()){  
 dh1 += cbCNTT.getText().toString();  
 }  
 if(cbSP.isChecked()){  
 dh1 += cbSP.getText().toString();  
 }  
  
 if(name.length()==0 || date1.length()==0 || diachi.length()==0 || GT.length()==0){  
 Toast.*makeText*(MainActivity.this,"Bạn hãy nhập đầy đủ thông tin trước khi lưu",Toast.*LENGTH\_SHORT*).show();  
 }else{  
 String sql = "INSERT INTO tbSinhVien (hoten,ngaysinh,diachi,gioitinh,yeuthich)" +  
 " VALUES('"+name+"' , '"+date1+"' , '"+diachi+"', '"+GT+"' , '"+dh1+"')";  
  
 db.execSQL(sql);  
 }  
  
 }  
 private void AnhXa() {  
  
 edtHT = findViewById(R.id.*edt\_hoten*);  
 edtNS = findViewById(R.id.*edt\_ngaysinh*);  
 edtDC = findViewById(R.id.*edt\_diachi*);  
 rbNam = findViewById(R.id.*rb\_GTNam*);  
 rbNu = findViewById(R.id.*rb\_GTNu*);  
 cbKT = findViewById(R.id.*cb\_KT*);  
 cbCNTT = findViewById(R.id.*cb\_CNTT*);  
 cbSP = findViewById(R.id.*cb\_SP*);  
  
 save = findViewById(R.id.*btn\_Save*);  
 show = findViewById(R.id.*btn\_Show*);  
 lvThongTin = findViewById(R.id.*lv\_item*);  
 }  
}