Activity\_main (Diseño)

<?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"

tools:context=".MainActivity">

<LinearLayout

android:id="@+id/linearLayout"

android:layout\_width="match\_parent"

android:layout\_height="120dp"

android:layout\_marginTop="32dp"

android:layout\_marginBottom="611dp"

android:orientation="horizontal"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent">

<TextView

android:id="@+id/tvmensaje1"

android:layout\_width="wrap\_content"

android:layout\_height="match\_parent"

android:layout\_weight="1"

android:gravity="center"

android:text="Datos del vehiculo"

android:textSize="40dp" />

</LinearLayout>

<LinearLayout

android:id="@+id/linearLayout2"

android:layout\_width="match\_parent"

android:layout\_height="80dp"

android:layout\_marginBottom="515dp"

android:orientation="horizontal"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/linearLayout">

<EditText

android:id="@+id/etplaca"

android:layout\_width="wrap\_content"

android:layout\_height="match\_parent"

android:layout\_weight="1"

android:ems="10"

android:gravity="center"

android:hint="Digite la placa"

android:inputType="textPersonName"

android:textSize="40dp" />

</LinearLayout>

<LinearLayout

android:id="@+id/linearLayout3"

android:layout\_width="match\_parent"

android:layout\_height="80dp"

android:layout\_marginBottom="435dp"

android:orientation="horizontal"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/linearLayout2">

<EditText

android:id="@+id/etmarca"

android:layout\_width="wrap\_content"

android:layout\_height="match\_parent"

android:layout\_weight="1"

android:ems="10"

android:gravity="center"

android:hint="Digite marca del auto"

android:inputType="textPersonName"

android:textSize="40dp" />

</LinearLayout>

<LinearLayout

android:id="@+id/linearLayout4"

android:layout\_width="match\_parent"

android:layout\_height="80dp"

android:layout\_marginBottom="355dp"

android:orientation="horizontal"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/linearLayout3">

<EditText

android:id="@+id/etmodelo"

android:layout\_width="wrap\_content"

android:layout\_height="match\_parent"

android:layout\_weight="1"

android:ems="10"

android:gravity="center"

android:hint="Digite el modelo"

android:inputType="textPersonName"

android:textSize="40dp" />

</LinearLayout>

<LinearLayout

android:id="@+id/linearLayout5"

android:layout\_width="match\_parent"

android:layout\_height="80dp"

android:layout\_marginBottom="275dp"

android:orientation="horizontal"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/linearLayout4">

<EditText

android:id="@+id/etvalor"

android:layout\_width="wrap\_content"

android:layout\_height="match\_parent"

android:layout\_weight="1"

android:ems="10"

android:gravity="center"

android:hint="Digite el valor"

android:inputType="textPersonName"

android:textSize="40dp" />

</LinearLayout>

<LinearLayout

android:id="@+id/linearLayout6"

android:layout\_width="match\_parent"

android:layout\_height="80dp"

android:layout\_marginBottom="195dp"

android:orientation="horizontal"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/linearLayout5">

<Button

android:id="@+id/btguardar"

android:layout\_width="wrap\_content"

android:layout\_height="match\_parent"

android:layout\_weight="1"

android:gravity="center"

android:onClick="guardar"

android:text="Guardar"

android:textSize="40dp" />

</LinearLayout>

<LinearLayout

android:id="@+id/linearLayout7"

android:layout\_width="match\_parent"

android:layout\_height="80dp"

android:layout\_marginBottom="115dp"

android:orientation="horizontal"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/linearLayout6">

<Button

android:id="@+id/btconsultar"

android:layout\_width="wrap\_content"

android:layout\_height="match\_parent"

android:layout\_weight="1"

android:gravity="center"

android:onClick="consultar"

android:text="Consultar"

android:textSize="30dp" />

<Button

android:id="@+id/btanular"

android:layout\_width="wrap\_content"

android:layout\_height="80dp"

android:layout\_weight="1"

android:onClick="anular"

android:textSize="30dp"

android:gravity="center"

android:text="Anular" />

</LinearLayout>

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="80dp"

android:layout\_marginBottom="35dp"

android:orientation="horizontal"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/linearLayout7">

<Button

android:id="@+id/bteliminar"

android:layout\_width="wrap\_content"

android:layout\_height="match\_parent"

android:layout\_weight="1"

android:onClick="eliminar"

android:textSize="35dp"

android:gravity="center"

android:text="Eliminar" />

<Button

android:id="@+id/btlimpiar"

android:layout\_width="wrap\_content"

android:layout\_height="80dp"

android:layout\_weight="1"

android:gravity="center"

android:onClick="limpiar"

android:textSize="35dp"

android:text="Limpiar" />

</LinearLayout>

</androidx.constraintlayout.widget.ConstraintLayout>

Clase AdminSqliteOpenHelper

package com.example.vehiculo\_sqlite;

import android.content.Context;

import android.database.sqlite.SQLiteDatabase;

import android.database.sqlite.SQLiteOpenHelper;

import androidx.annotation.Nullable;

public class AdminSqLiteOpenHelper extends SQLiteOpenHelper {

public AdminSqLiteOpenHelper(@Nullable Context context, @Nullable String name, @Nullable SQLiteDatabase.CursorFactory factory, int version) {

super(context, name, factory, version);

}

@Override

public void onCreate(SQLiteDatabase db) {

db.execSQL("create table tblauto(placa text primary key, marca text,modelo text,valor text,activo text)");

}

@Override

public void onUpgrade(SQLiteDatabase db, int oldVersion, int newVersion) {

db.execSQL("drop table if exists tblauto");

db.execSQL("create table tblauto(placa text primary key, marca text,modelo text,valor text)");

}

}

MainActivity (Codigo Java)

package com.example.vehiculo\_sqlite;

import androidx.appcompat.app.AppCompatActivity;

import android.content.ContentValues;

import android.database.Cursor;

import android.database.sqlite.SQLiteDatabase;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

EditText jetplaca,jetmarca,jetmodelo,jetvalor;

Button jbtguardar,jbtconsultar,jbteliminar,jbtanular;

int sw=0;

long resp;

String activo;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

//Asociar los objetos Java con los objetos Xml

getSupportActionBar().hide();

jetplaca=findViewById(R.id.etplaca);

jetmarca=findViewById(R.id.etmarca);

jetmodelo=findViewById(R.id.etmodelo);

jetvalor=findViewById(R.id.etvalor);

jbtguardar=findViewById(R.id.btguardar);

jbtconsultar=findViewById(R.id.btconsultar);

jbteliminar=findViewById(R.id.bteliminar);

jbtanular=findViewById(R.id.btanular);

}

public void anular(View view){

AdminSqLiteOpenHelper admin=new AdminSqLiteOpenHelper(this,"bdconcesionario1",null,1);

SQLiteDatabase db=admin.getWritableDatabase();

String placa;

placa=jetplaca.getText().toString();

if (placa.isEmpty() || sw == 0){

Toast.makeText(this,"La placa es requerida o debe consultar primero",Toast.LENGTH\_LONG).show();

jetplaca.requestFocus();

}

else{

ContentValues dato=new ContentValues();

dato.put("activo","no");

resp=db.update("tblauto",dato,"placa='" + placa + "'",null);

sw=0;

if (resp > 0) {

Toast.makeText(this,"Registro guardado",Toast.LENGTH\_LONG).show();

limpiar\_datos();

}

else{

Toast.makeText(this,"Error guardando registro",Toast.LENGTH\_LONG).show();

}

}

}

public void guardar(View view)

{

AdminSqLiteOpenHelper admin=new AdminSqLiteOpenHelper(this,"bdconcesionario1",null,1);

SQLiteDatabase db=admin.getWritableDatabase();

String placa,marca,modelo,valor;

placa=jetplaca.getText().toString();

marca=jetmarca.getText().toString();

modelo=jetmodelo.getText().toString();

valor=jetvalor.getText().toString();

if (placa.isEmpty() || marca.isEmpty() || modelo.isEmpty() || valor.isEmpty())

{

Toast.makeText(this,"Todos los datos son requeridos",Toast.LENGTH\_LONG).show();

jetplaca.requestFocus();

}

else{

ContentValues dato=new ContentValues();

dato.put("placa",placa);

dato.put("marca",marca);

dato.put("modelo",modelo);

dato.put("valor",valor);

dato.put("activo","si");

if (sw==0){

resp=db.insert("tblauto",null,dato);

}

else {

if (activo.equals("no")) {

Toast.makeText(this, "Registro no se puede modificar esta inactivo", Toast.LENGTH\_LONG).show();

limpiar\_datos();

} else {

resp = db.update("tblauto", dato, "placa='" + placa + "'", null);

sw = 0;

if (resp > 0) {

Toast.makeText(this, "Registro guardado", Toast.LENGTH\_LONG).show();

limpiar\_datos();

} else {

Toast.makeText(this, "Error guardando registro", Toast.LENGTH\_LONG).show();

}

}

}

}

db.close();

}

public void limpiar\_datos(){

jetplaca.setText("");

jetmarca.setText("");

jetmodelo.setText("");

jetvalor.setText("");

jetplaca.requestFocus();

sw=0;

}

public void limpiar(View view){

limpiar\_datos();

}

public void consultar(View view){

AdminSqLiteOpenHelper admin=new AdminSqLiteOpenHelper(this,"bdconcesionario1",null,1);

SQLiteDatabase db=admin.getReadableDatabase();

String placa;

placa=jetplaca.getText().toString();

if (placa.isEmpty()){

Toast.makeText(this,"La placa es requerida para consultar",Toast.LENGTH\_LONG).show();

jetplaca.requestFocus();

}

else{

Cursor fila=db.rawQuery("select \* from tblauto where placa='" + placa + "'",null);

if (fila.moveToFirst()) {

jetmarca.setText(fila.getString(1));

jetmodelo.setText(fila.getString(2));

jetvalor.setText(fila.getString(3));

activo=fila.getString(4);

sw=1;

Toast.makeText(this,"El estado del registro es " + fila.getString(4),Toast.LENGTH\_LONG).show();

}

else{

Toast.makeText(this,"Automovil no registrado",Toast.LENGTH\_LONG).show();

jetplaca.requestFocus();

}

}

db.close();

}

public void eliminar(View view)

{

AdminSqLiteOpenHelper admin=new AdminSqLiteOpenHelper(this,"bdconcesionario1",null,1);

SQLiteDatabase db=admin.getWritableDatabase();

String placa;

placa=jetplaca.getText().toString();

if (placa.isEmpty() || sw == 0){

Toast.makeText(this,"La placa es requerida o debe primero consultar", Toast.LENGTH\_LONG).show();

jetplaca.requestFocus();

}

else{

int resp= db.delete("tblauto","placa='" + placa + "'",null);

if (resp > 0){

Toast.makeText(this,"Registro eliminado", Toast.LENGTH\_LONG).show();

limpiar\_datos();

}

else{

Toast.makeText(this,"Error eliminando registro", Toast.LENGTH\_LONG).show();

}

}

db.close();

}

}