

MainActivity.java

```
1  package com.daw.sqldatabase;
2
3  import android.app.Application;
4  import android.content.Intent;
5  import android.media.ApplicationMediaCapabilities;
6  import android.os.Bundle;
7  import android.view.View;
8  import android.widget.EditText;
9  import android.widget.TextView;
10 import android.widget.Toast;
11
12 import androidx.activity.EdgeToEdge;
13 import androidx.annotation.Nullable;
14 import androidx.appcompat.app.AppCompatActivity;
15 import androidx.core.graphics.Insets;
16 import androidx.core.view.ViewCompat;
17 import androidx.core.view.WindowInsetsCompat;
18
19 import com.android.volley.AuthFailureError;
20 import com.android.volley.Request;
21 import com.android.volley.RequestQueue;
22 import com.android.volley.Response;
23 import com.android.volley.VolleyError;
24 import com.android.volley.toolbox.JsonArrayRequest;
25 import com.android.volley.toolbox.StringRequest;
26 import com.android.volley.toolbox.Volley;
27
28 import org.json.JSONArray;
29 import org.json.JSONException;
30 import org.json.JSONObject;
31
32 import java.util.HashMap;
33 import java.util.Map;
```

```
34
35 public class MainActivity extends AppCompatActivity {
36
37     private TextView txv;
38     private EditText et_cod, et_name, et_price, et_fab;
39     RequestQueue requestQueue;
40
41
42     @Override
43     protected void onCreate(Bundle savedInstanceState) {
44         super.onCreate(savedInstanceState);
45         EdgeToEdge.enable(this);
46         setContentView(R.layout.activity_main);
47         ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {
48             Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());
49             v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);
50             return insets;
51         });
52
53         txv = findViewById(R.id.txv);
54         et_cod = findViewById(R.id.etCod);
55         et_name = findViewById(R.id.etName);
56         et_price = findViewById(R.id.etPrice);
57         et_fab = findViewById(R.id.etFab);
58     }
59     public void insertarProducto(View view){
60         StringRequest stringRequest = new StringRequest(Request.Method.POST, "http://10.0.2.2/registroMyAdmyn/insertar.php",
61             new Response.Listener<String>() {
62                 @Override
63                 public void onResponse(String response) {
64                     Toast.makeText(getApplicationContext(), "Producto dado de alta", Toast.LENGTH_SHORT).show();
65                 }
66             },
67             new Response.ErrorListener() {
68                 @Override
69                 public void onErrorResponse(VolleyError error) {
```

```
70         Toast.makeText(getApplicationContext(), error.toString(), Toast.LENGTH_SHORT).show();
71     }
72 }}{
73 @Override
74 protected Map<String, String> getParams() throws AuthFailureError{
75     Map<String,String> parametros = new HashMap<String, String>();
76     parametros.put("codigo", et_cod.getText().toString());
77     parametros.put("nombre", et_name.getText().toString());
78     parametros.put("precio", et_price.getText().toString());
79     parametros.put("fabricante", et_fab.getText().toString());
80
81     return parametros;
82 }
83 };
84 requestQueue = Volley.newRequestQueue(this);
85 requestQueue.add(stringRequest);
86 }
87 public void buscar(View view){
88     JsonRequest jsonArrayRequest = new JsonRequest("http://10.0.2.2/registroMyAdmyn/buscar.php?codigo=" +
89 et_cod.getText().toString(), new Response.Listener<JSONArray>() {
90 @Override
91     public void onResponse(JSONArray response) { //la response está llena de json objects. autoimaticamente me mete3 la
92 direccion de mi JsopnArrayRequest
93         JSONObject jsonObject = null;
94         for (int i = 0; i < response.length(); i++) { //por lo anterior aquí tenog un length
95             try {
96                 jsonObject = response.getJSONObject(i);
97                 et_name.setText(jsonObject.getString("nombre"));
98                 et_price.setText(jsonObject.getString("precio"));
99                 et_fab.setText(jsonObject.getString("fabricante"));
100             } catch (JSONException e) {
101                 Toast.makeText(getApplicationContext(), e.getMessage(), Toast.LENGTH_SHORT).show();
102             }
103         }
104     }
105 }, new Response.ErrorListener() {
```

```
104         @Override
105         public void onErrorResponse(VolleyError error) {
106             Toast.makeText(getApplicationContext(), error.toString(), Toast.LENGTH_SHORT).show();
107         }
108     });
109     requestQueue = Volley.newRequestQueue(this);
110     requestQueue.add(jsonArrayRequest);
111 }
112
113 public void eliminar(View view){
114     StringRequest stringRequest = new StringRequest(Request.Method.POST, "http://10.0.2.2/registroMyAdmyn/eliminar.php", new
Response.Listener<String>() {
115         @Override
116         public void onResponse(String response) {
117             Toast.makeText(getApplicationContext(), "Eliminación realizada", Toast.LENGTH_SHORT).show();
118             limpiarFormulario();
119         }
120     }, new Response.ErrorListener() {
121         @Override
122         public void onErrorResponse(VolleyError error) {
123             Toast.makeText(getApplicationContext(), error.toString(), Toast.LENGTH_SHORT).show();
124         }
125     }){
126         @Override
127         protected Map<String, String> getParams() throws AuthFailureError{
128             Map<String, String> parametros = new HashMap<String, String>();
129             parametros.put("codigo", et_cod.getText().toString());
130
131             return parametros;
132         }
133     };
134     requestQueue = Volley.newRequestQueue(this);
135     requestQueue.add(stringRequest);
136 }
137
138 public void editar(View view){
```

```
139     StringRequest stringRequest = new StringRequest(Request.Method.POST, "http://10.0.2.2/registroMyAdmyn/editar.php",
140         new Response.Listener<String>() {
141             @Override
142             public void onResponse(String response) {
143                 Toast.makeText(getApplicationContext(), "Producto Editado", Toast.LENGTH_SHORT).show();
144                 //limpiarFormulario();
145             }
146     }, new Response.ErrorListener() {
147         @Override
148         public void onErrorResponse(VolleyError error) {
149             Toast.makeText(getApplicationContext(), error.toString(), Toast.LENGTH_SHORT).show();
150         }
151     }){
152         @Override
153         protected Map<String, String> getParams() throws AuthFailureError{
154             Map<String, String> parametros = new HashMap<String, String>();
155             parametros.put("codigo", et_cod.getText().toString());
156             parametros.put("nombre", et_name.getText().toString());
157             parametros.put("precio", et_price.getText().toString());
158             parametros.put("fabricante", et_fab.getText().toString());
159
160
161             return parametros;
162         }
163     };
164
165     requestQueue = Volley.newRequestQueue(this);
166     requestQueue.add(stringRequest);
167
168
169 }
170 public void limpiarFormulario(){
171     et_cod.setText("");
172     et_name.setText("");
173     et_price.setText("");
174     et_fab.setText("");
```

```
175     }
176     public void listar(View view){
177         Intent listar = new Intent(this, ListadoRegistros.class);
178         startActivity(listar);
179     }
180 }
```