APLICACIONES MÓVILES Y SERVICIOS TELEMÁTICOS

SEGUNDA EVALUACIÓN PRÁCTICA - I TÉRMINO 2020

Informe de la Segunda Evaluación Práctica - REPOSITORIO DE SUPER HÉROES

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GRUPO 5

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CODIGO

MAIN

|  |
| --- |
| import androidx.appcompat.app.AppCompatActivity; |
|  |
| import android.content.Intent; |
| import android.os.Bundle; |
| import android.view.View; |
| import android.widget.Button; |
| import android.widget.EditText; |
|  |
| import com.android.volley.Request; |
| import com.android.volley.RequestQueue; |
| import com.android.volley.Response; |
| import com.android.volley.VolleyError; |
| import com.android.volley.toolbox.JsonArrayRequest; |
| import com.android.volley.toolbox.Volley; |
| import com.google.android.material.textfield.TextInputEditText; |
|  |
| import org.json.JSONArray; |
|  |
| import java.util.HashMap; |
| import java.util.Map; |
|  |
| public class MainActivity extends AppCompatActivity { |
|  |
|  |
|  |
| TextInputEditText heroeSearch; |
| Button btnBuscar; |
|  |
| @Override |
| protected void onCreate(Bundle savedInstanceState) { |
| super.onCreate(savedInstanceState); |
| setContentView(R.layout.activity\_main); |
|  |
|  |
| btnBuscar = findViewById(R.id.btn\_buscar); |
| heroeSearch = (TextInputEditText) findViewById(R.id.input\_buscar); |
|  |
| btnBuscar.setOnClickListener(new View.OnClickListener() { |
| public void onClick(View v) { |
| irSiguiente(); |
| } |
| }); |
|  |
|  |
| } |
|  |
| public void irSiguiente(){ |
| String nombre = heroeSearch.getText().toString(); |
| Intent intent = new Intent(MainActivity.this, HeroesActivity.class); |
| intent.putExtra("heroe",nombre); |
| startActivity(intent); |
| } |
|  |
|  |
|  |
| }   |  | | --- | | <?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"> | |  |  | |  | <Button | |  | android:id="@+id/btn\_buscar" | |  | android:layout\_width="wrap\_content" | |  | android:layout\_height="wrap\_content" | |  | android:layout\_marginTop="24dp" | |  | android:text="Buscar Heroes" | |  | app:layout\_constraintEnd\_toEndOf="parent" | |  | app:layout\_constraintHorizontal\_bias="0.5" | |  | app:layout\_constraintStart\_toStartOf="parent" | |  | app:layout\_constraintTop\_toBottomOf="@+id/input\_buscar" /> | |  |  | |  | <com.google.android.material.textfield.TextInputEditText | |  | android:id="@+id/input\_buscar" | |  | android:layout\_width="match\_parent" | |  | android:layout\_height="wrap\_content" | |  | android:layout\_marginTop="72dp" | |  | android:hint="Ingrese heroe buscar" | |  | app:layout\_constraintEnd\_toEndOf="parent" | |  | app:layout\_constraintHorizontal\_bias="0.0" | |  | app:layout\_constraintStart\_toStartOf="parent" | |  | app:layout\_constraintTop\_toBottomOf="@+id/textView5" /> | |  |  | |  | <TextView | |  | android:id="@+id/textView3" | |  | android:layout\_width="365dp" | |  | android:layout\_height="156dp" | |  | android:layout\_marginTop="16dp" | |  | android:text="Aplicaciones moviles y sistemas telematicos" | |  | android:textAlignment="center" | |  | android:textSize="36sp" | |  | app:layout\_constraintEnd\_toEndOf="parent" | |  | app:layout\_constraintHorizontal\_bias="0.5" | |  | app:layout\_constraintStart\_toStartOf="parent" | |  | app:layout\_constraintTop\_toTopOf="parent" /> | |  |  | |  | <TextView | |  | android:id="@+id/textView4" | |  | android:layout\_width="wrap\_content" | |  | android:layout\_height="wrap\_content" | |  | android:layout\_marginTop="76dp" | |  | android:text="Examen practico" | |  | app:layout\_constraintEnd\_toEndOf="parent" | |  | app:layout\_constraintHorizontal\_bias="0.498" | |  | app:layout\_constraintStart\_toStartOf="parent" | |  | app:layout\_constraintTop\_toBottomOf="@+id/textView3" /> | |  |  | |  | <TextView | |  | android:id="@+id/textView5" | |  | android:layout\_width="wrap\_content" | |  | android:layout\_height="wrap\_content" | |  | android:layout\_marginTop="16dp" | |  | android:text="Eileen Sanchez, Jorge García" | |  | android:textSize="18sp" | |  | app:layout\_constraintEnd\_toEndOf="parent" | |  | app:layout\_constraintStart\_toStartOf="parent" | |  | app:layout\_constraintTop\_toBottomOf="@+id/textView4" /> | |  | </androidx.constraintlayout.widget.ConstraintLayout> | |

**Heroes**

|  |
| --- |
|  |
| import androidx.appcompat.app.AppCompatActivity; |
|  |
| import android.content.Intent; |
| import android.os.Bundle; |
| import android.view.View; |
| import android.widget.LinearLayout; |
| import android.widget.TextView; |
| import android.widget.Toast; |
|  |
| import com.android.volley.Request; |
| import com.android.volley.RequestQueue; |
| import com.android.volley.Response; |
| import com.android.volley.VolleyError; |
| import com.android.volley.toolbox.JsonObjectRequest; |
| import com.android.volley.toolbox.Volley; |
|  |
| import org.json.JSONArray; |
| import org.json.JSONException; |
| import org.json.JSONObject; |
|  |
| import java.util.HashMap; |
| import java.util.Map; |
|  |
| public class HeroesActivity extends AppCompatActivity { |
|  |
| String token="10220694825898823"; |
| private RequestQueue ListaRequest = null; |
|  |
| private String nombreHeroe; |
|  |
| private LinearLayout contenedor; |
|  |
|  |
| @Override |
| protected void onCreate(Bundle savedInstanceState) { |
| super.onCreate(savedInstanceState); |
| setContentView(R.layout.activity\_heroes); |
| ListaRequest = Volley.newRequestQueue(this); |
|  |
| nombreHeroe = getIntent().getExtras().getString("heroe"); |
| contenedor = findViewById(R.id.layout\_linear); |
|  |
| Toast.makeText(this,nombreHeroe,Toast.LENGTH\_LONG).show(); |
|  |
| CosultarHeroes(nombreHeroe); |
| } |
|  |
| public void CosultarHeroes(String palabra){ |
| String url\_registros = "https://superheroapi.com/api/"+this.token+"/search/"+palabra; |
|  |
| JsonObjectRequest requestRegistros = new JsonObjectRequest( Request.Method.GET, url\_registros, null, new Response.Listener<JSONObject>() { |
| @Override |
| public void onResponse(JSONObject response) { |
| mostrarHeroes(response); |
| } |
| }, new Response.ErrorListener() { |
| @Override |
| public void onErrorResponse(VolleyError error) { |
| Toast.makeText(getApplicationContext(),error.toString(),Toast.LENGTH\_LONG).show(); |
| } |
| }){ |
| @Override |
| public Map<String, String> getHeaders() { |
| Map<String, String> params = new HashMap<>(); |
| params.put("Authorization", "JWT " + token); |
| return params; |
| } |
| }; |
| ListaRequest.add(requestRegistros); |
| } |
|  |
|  |
| private void mostrarHeroes(JSONObject heroes) { |
| //String registroId; |
| String hola = "hi"; |
| JSONObject registroHeroes; |
| TextView viewHeroName; |
| String heroName; |
| JSONArray jsonArray =null; |
| try{ |
| jsonArray = heroes.getJSONArray("results"); |
| }catch (Exception e){ |
| Toast.makeText(getApplicationContext(),e.toString(),Toast.LENGTH\_LONG).show(); |
| } |
|  |
|  |
| LinearLayout.LayoutParams parametrosLayout = new LinearLayout.LayoutParams(LinearLayout.LayoutParams.WRAP\_CONTENT, LinearLayout.LayoutParams.WRAP\_CONTENT, 1); |
| try { |
|  |
| viewHeroName = new TextView(this); |
| viewHeroName.setLayoutParams(parametrosLayout); |
| viewHeroName.setText("Resultados: "+jsonArray.length()); |
| contenedor.addView(viewHeroName); |
|  |
| for (int i = 0; i < jsonArray.length(); i++) { |
| registroHeroes = (JSONObject) jsonArray.get(i); |
| //registroId = registroTemp.getString("id"); |
| final String id = registroHeroes.getString("id"); |
|  |
| heroName = registroHeroes.getString("name"); |
| viewHeroName = new TextView(this); |
| viewHeroName.setLayoutParams(parametrosLayout); |
| viewHeroName.setText(heroName); |
|  |
| viewHeroName.setOnClickListener(new View.OnClickListener() { |
| public void onClick(View v) { |
| irSiguiente(id); |
| } |
| }); |
|  |
| contenedor.addView(viewHeroName); |
|  |
| } |
| } catch (JSONException e) { |
| e.printStackTrace(); |
| System.out.println("error"); |
| } |
|  |
| } |
|  |
| public void irSiguiente(String id){ |
| Intent intent = new Intent(HeroesActivity.this, HabilityHeroActivity.class); |
| intent.putExtra("id",id); |
| startActivity(intent); |
| } |
| } |

|  |
| --- |
|  |
| import androidx.appcompat.app.AppCompatActivity; |
|  |
| import android.os.Bundle; |
| import android.os.Handler; |
| import android.widget.LinearLayout; |
| import android.widget.TextView; |
| import android.widget.Toast; |
|  |
| import com.android.volley.Request; |
| import com.android.volley.RequestQueue; |
| import com.android.volley.Response; |
| import com.android.volley.VolleyError; |
| import com.android.volley.toolbox.JsonObjectRequest; |
| import com.android.volley.toolbox.Volley; |
| import com.github.mikephil.charting.charts.BarChart; |
| import com.github.mikephil.charting.components.XAxis; |
| import com.github.mikephil.charting.data.BarData; |
| import com.github.mikephil.charting.data.BarDataSet; |
| import com.github.mikephil.charting.data.BarEntry; |
| import com.github.mikephil.charting.interfaces.datasets.IBarDataSet; |
| import com.github.mikephil.charting.utils.ColorTemplate; |
|  |
| import org.json.JSONException; |
| import org.json.JSONObject; |
|  |
| import java.util.ArrayList; |
| import java.util.HashMap; |
| import java.util.Map; |
|  |
| public class HabilityHeroActivity extends AppCompatActivity { |
|  |
| String token="10220694825898823"; |
| private RequestQueue ListaRequest = null; |
| private String idHero; |
|  |
| public BarChart graficoBarras; |
|  |
| private LinearLayout contenedor; |
|  |
| private JSONObject datosGrafico; |
|  |
| @Override |
| protected void onCreate(Bundle savedInstanceState) { |
| super.onCreate(savedInstanceState); |
| setContentView(R.layout.activity\_hability\_hero); |
| ListaRequest = Volley.newRequestQueue(this); |
|  |
| idHero = getIntent().getExtras().getString("id"); |
| contenedor = findViewById(R.id.layout\_habilidades); |
|  |
| Toast.makeText(getApplicationContext(),idHero,Toast.LENGTH\_LONG).show(); |
|  |
| ConsultarHeroe(idHero); |
|  |
| } |
|  |
| public void ConsultarHeroe(String id){ |
| String url\_registros = "https://superheroapi.com/api/"+this.token+"/"+id; |
|  |
| JsonObjectRequest requestRegistros = new JsonObjectRequest( Request.Method.GET, url\_registros, null, new Response.Listener<JSONObject>() { |
| @Override |
| public void onResponse(JSONObject response) { |
| mostrarHabilidades(response); |
| } |
| }, new Response.ErrorListener() { |
| @Override |
| public void onErrorResponse(VolleyError error) { |
| Toast.makeText(getApplicationContext(),error.toString(),Toast.LENGTH\_LONG).show(); |
| } |
| }){ |
| @Override |
| public Map<String, String> getHeaders() { |
| Map<String, String> params = new HashMap<>(); |
| params.put("Authorization", "JWT " + token); |
| return params; |
| } |
| }; |
| ListaRequest.add(requestRegistros); |
| } |
|  |
| private void mostrarHabilidades(JSONObject heroe) { |
|  |
| LinearLayout.LayoutParams parametrosLayout = new LinearLayout.LayoutParams(LinearLayout.LayoutParams.WRAP\_CONTENT, LinearLayout.LayoutParams.WRAP\_CONTENT, 1); |
|  |
| try { |
| TextView viewHeroName = new TextView(this); |
| viewHeroName.setLayoutParams(parametrosLayout); |
| viewHeroName.setText(heroe.getString("name")); |
| TextView fullName = new TextView(this); |
| fullName.setLayoutParams(parametrosLayout); |
| fullName.setText(heroe.getJSONObject("biography").getString("full-name")); |
| datosGrafico = heroe.getJSONObject("powerstats"); |
| contenedor.addView(viewHeroName); |
| contenedor.addView(fullName); |
|  |
| iniciarGrafico(); |
| actualizarGrafico(datosGrafico); |
| } catch (JSONException e) { |
| e.printStackTrace(); |
| } |
|  |
| } |
|  |
| public void iniciarGrafico() { |
| graficoBarras = findViewById(R.id.barChart); |
| graficoBarras.getDescription().setEnabled(false); |
| graficoBarras.setMaxVisibleValueCount(60); |
| graficoBarras.setPinchZoom(false); |
| graficoBarras.setDrawBarShadow(false); |
| graficoBarras.setDrawGridBackground(false); |
| XAxis xAxis = graficoBarras.getXAxis(); |
| xAxis.setPosition(XAxis.XAxisPosition.BOTTOM); |
| xAxis.setDrawGridLines(false); |
| graficoBarras.getAxisLeft().setDrawGridLines(false); |
| graficoBarras.animateY(1500); |
| graficoBarras.getLegend().setEnabled(false); |
| } |
|  |
| private void actualizarGrafico(JSONObject data){ |
| int count = 0; |
| ArrayList<BarEntry> dato\_temp = new ArrayList<>(); |
| try { |
| dato\_temp.add(new BarEntry(count, Integer.valueOf(data.getString("intelligence")))); |
| count++; |
| dato\_temp.add(new BarEntry(count, Integer.valueOf(data.getString("strength")))); |
| count++; |
| dato\_temp.add(new BarEntry(count, Integer.valueOf(data.getString("speed")))); |
| count++; |
| dato\_temp.add(new BarEntry(count, Integer.valueOf(data.getString("durability")))); |
| count++; |
| dato\_temp.add(new BarEntry(count, Integer.valueOf(data.getString("power")))); |
| count++; |
| dato\_temp.add(new BarEntry(count, Integer.valueOf(data.getString("combat")))); |
| } catch (JSONException e) { |
| e.printStackTrace(); |
| System.out.println("error"); |
| } |
| llenarGrafico(dato\_temp); |
|  |
| } |
|  |
| private void llenarGrafico(ArrayList<BarEntry> data) { |
| BarDataSet heroeDataSet; |
| if ( graficoBarras.getData() != null && graficoBarras.getData().getDataSetCount() > 0) { |
| heroeDataSet = (BarDataSet) graficoBarras.getData().getDataSetByIndex(0); |
| heroeDataSet.setValues(data); |
| graficoBarras.getData().notifyDataChanged(); |
| graficoBarras.notifyDataSetChanged(); |
| } else { |
| heroeDataSet = new BarDataSet(data, "Data Set"); |
| heroeDataSet.setColors(ColorTemplate.VORDIPLOM\_COLORS); |
| heroeDataSet.setDrawValues(true); |
| ArrayList<IBarDataSet> dataSets = new ArrayList<>(); |
| dataSets.add(heroeDataSet); |
| BarData databar = new BarData(dataSets); |
| graficoBarras.setData(databar); |
| graficoBarras.setFitBars(true); |
| } |
| graficoBarras.invalidate(); |
| /\* |
| final Handler handler = new Handler(); |
| final Runnable runnable = new Runnable() { |
| @Override |
| public void run() { |
| solicitarTemperaturas(); |
| } |
| }; |
| handler.postDelayed(runnable, 3000); |
| \*/ |
| } |
| }  XML   |  | | --- | | <?xml version="1.0" encoding="utf-8"?> | |  | <LinearLayout 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:id="@+id/layout\_habilidades" | |  | android:layout\_width="match\_parent" | |  | android:layout\_height="match\_parent" | |  | android:orientation="vertical" | |  | tools:context=".HabilityHeroActivity"> | |  |  | |  | <com.github.mikephil.charting.charts.BarChart | |  | android:id="@+id/barChart" | |  | android:layout\_width="match\_parent" | |  | android:layout\_height="400dp"> | |  | </com.github.mikephil.charting.charts.BarChart> | |  |  | |  | </LinearLayout> | |

Repositorio:

Repositorio: <https://github.com/jorge18link/AMST_2EP_GRUPO5.git>

Evidencias





