1ra pregunta

Activity main.java

import androidx.appcompat.app.AppCompatActivity;  
import androidx.recyclerview.widget.LinearLayoutManager;  
import androidx.recyclerview.widget.RecyclerView;  
  
import android.os.Bundle;  
  
import com.test.appenclase.Adapter.RVAdapter;  
  
import java.util.ArrayList;  
import java.util.Arrays;  
  
public class MainActivity extends AppCompatActivity  
{  
 private RecyclerView recyclerView;  
 private RVAdapter rvAdapter;  
 private ArrayList<String> imagesName = new ArrayList<>();  
 private ArrayList<String> imagesURL = new ArrayList<>();  
 //almacenamos todos los nombres de las imagenes en una sola variable imgURL y imgnam  
 private final String imgURL = "V4OgA4O,yB3d2qH,9jMbaX2,rYndmdq,sypYnSP,HBeK1ot,YCqbt8r,eLk31XX,XzffKgy,4ZHp7FO,DJabk5C,XzffKgy";  
 private final String imgNam = "Playist 1,Playist 2,Playist 3,Playist 4,Playist 5,Playist 6,Playist 7,Playist 8, Playist 9,Playist 10,Playist 11,Playist 12";  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState)  
 {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 initImageBitMaps();  
 initRecyclerView();  
 }  
  
 public void initImageBitMaps()  
 {//agregamos dentro del array las imagenes y sus nombres  
 //le setiamos un valor numerico  
  
//String[] getNames = imgURL.split(",");//split funcion agarra la cadena principal donde  
// encuentra una coma o lo k sea lo separa esto de ->private final String imgUrl  
// for(String img:getNames)  
 // { imagesURL.add(img); }  
  
//funcion addAll hace lo mismo sin crear una variable extra  
 imagesURL.addAll(Arrays.*asList*(imgURL.split(",")));  
 imagesName.addAll(Arrays.*asList*(imgNam.split(",")));  
  
 }  
  
 public void initRecyclerView()  
 { //rvContainer contenedor principal de main.xml  
 recyclerView = findViewById(R.id.*rvContainer*);  
 //le manda al rvadapter nombre y la imagen  
 rvAdapter = new RVAdapter(this, imagesName, imagesURL);  
 recyclerView.setAdapter(rvAdapter);  
 recyclerView.setLayoutManager(new LinearLayoutManager(this));  
 //LinearLayoutManager uno ensima de otro  
 }  
}

activity main.xml

<?xml version="1.0" encoding="utf-8"?>  
<RelativeLayout 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">  
  
  
  
  
 <androidx.recyclerview.widget.RecyclerView  
 android:id="@+id/rvContainer"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent">  
 </androidx.recyclerview.widget.RecyclerView>  
  
</RelativeLayout>

Rl\_list\_item

<?xml version="1.0" encoding="utf-8"?>  
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:id="@+id/rlListItem"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:background="@color/verdeclaro"  
 android:padding="12dp">  
  
 <de.hdodenhof.circleimageview.CircleImageView  
 android:id="@+id/civItem"  
 android:layout\_width="60dp"  
 android:layout\_height="60dp"  
 android:src="@mipmap/ic\_launcher"/>  
  
 <TextView  
 android:id="@+id/tvImage"  
 android:layout\_width="140dp"  
 android:layout\_height="wrap\_content"  
 android:text="@string/canada"  
 android:layout\_marginStart="5dp"  
 android:layout\_toEndOf="@+id/civItem"  
 android:layout\_centerVertical="true"  
 android:padding="15dp"  
 android:textColor="@color/blanco"  
 android:textSize="20sp"/>  
  
 <Button  
 android:id="@+id/btplay"  
 android:layout\_width="80dp"  
 android:layout\_height="wrap\_content"  
 android:text="@string/escuchar"  
 android:layout\_marginStart="10dp"  
 android:background="@drawable/cajas"  
 android:layout\_toEndOf="@id/tvImage"  
 android:layout\_centerVertical="true"  
 android:textColor="@color/colorAccent"  
 />  
  
  
  
</RelativeLayout>

Viewholder.java

public class ViewHolder extends RecyclerView.ViewHolder  
{//clase k accede a nuestro componente a la imagen y al texto  
 public RelativeLayout getRlContainer() {  
 return rlContainer;  
 }  
  
 private RelativeLayout rlContainer;  
 private CircleImageView circleImage;  
 private TextView tvImage;  
  
 private void initComponents(View itemView)  
 {  
 rlContainer = itemView.findViewById(R.id.*rlListItem*);  
 circleImage = itemView.findViewById(R.id.*civItem*);  
 tvImage = itemView.findViewById(R.id.*tvImage*);  
 }  
  
  
  
 public ViewHolder(@NonNull View itemView)  
 {  
 super(itemView);  
 initComponents(itemView);  
 }  
  
 public CircleImageView getCircleImage() {  
 return circleImage;  
 }  
  
 public TextView getTvImage() {  
 return tvImage;  
 }  
}

RVAdapter.java

import android.content.Context;  
import android.view.LayoutInflater;  
import android.view.View;  
import android.view.ViewGroup;  
import android.widget.Toast;  
import com.bumptech.glide.Glide;  
import com.test.appenclase.R;  
import java.util.ArrayList;  
import androidx.annotation.NonNull;  
import androidx.recyclerview.widget.RecyclerView;  
  
public class RVAdapter extends RecyclerView.Adapter<ViewHolder>  
{ //clase k optimisatodo loklemandamos  
 private static final String *TAG* = "RVAdapter";  
 private Context context;  
 private ArrayList<String> imageNames = new ArrayList<>();  
 private ArrayList<String> imagesURI = new ArrayList<>();  
  
 public RVAdapter(Context context, ArrayList<String> imageNames, ArrayList<String> imagesURI)  
 {  
 this.context = context;  
 this.imageNames = imageNames;  
 this.imagesURI = imagesURI;  
 }  
 @Override  
 public ViewHolder onCreateViewHolder(ViewGroup viewGroup, int viewType)  
 {  
 View view = LayoutInflater.*from*(viewGroup.getContext()).inflate(R.layout.*rl\_list\_item*, viewGroup,false);  
 ViewHolder vHolder = new ViewHolder(view);  
 return vHolder;  
 }  
 @Override  
 public void onBindViewHolder(@NonNull ViewHolder holder, final int position)  
 {//glide libreria importante  
 String URI = "https://i.imgur.com/";//todas las variables tienen el mismo dominnio, es una imagen estatico  
 //entonces de la sig forma tendremos de manera dinamica y cargara tosas las imagenes de la web  
 Glide.*with*(context)//la libreria adapta el tamano de la imagen  
 .asBitmap()  
 .load(URI + imagesURI.get(position) + ".png")//aqui le paso carga desde una url internet  
 .into(holder.getCircleImage());  
 holder.getTvImage().setText(imageNames.get(position));  
  
  
  
 //cuando aga clik mostrara el mensaje  
 holder.getTvImage().setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 //mandamos el mensaje al presionar en el texto segun su posicion  
 Toast.*makeText*(context,"my "+imageNames.get(position),Toast.*LENGTH\_SHORT*).show();  
 }  
 });  
 }  
  
 @Override  
 public int getItemCount() { //determina cuantos elementos tendra el listado  
 return imageNames.size();  
 }  
}