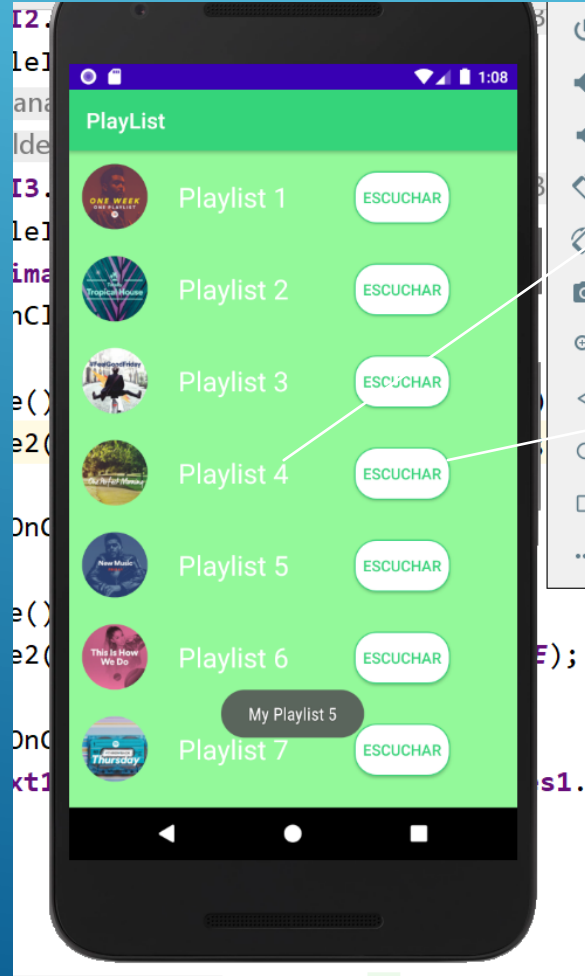
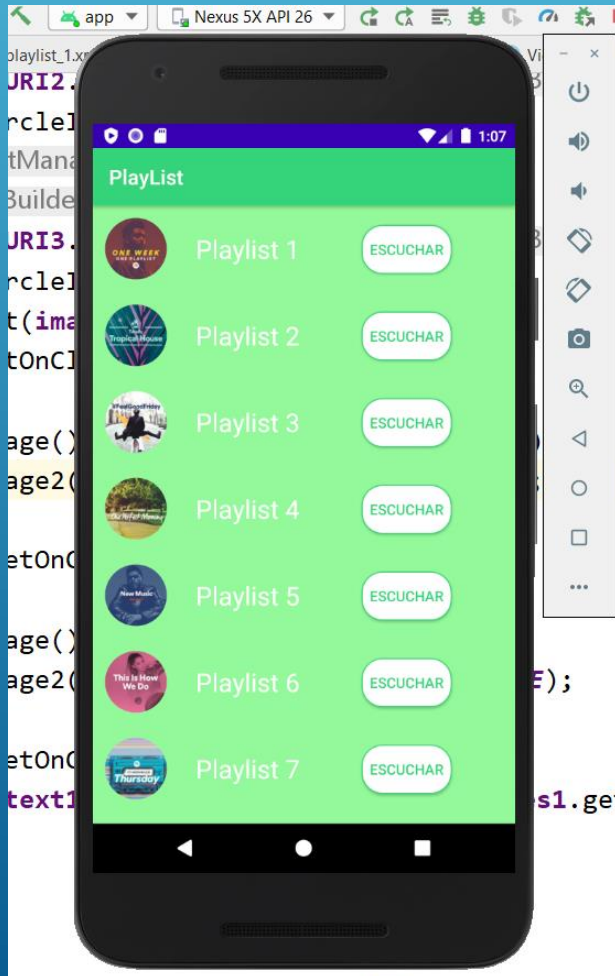


# DEFENSA HITO 4

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## PREMISA N°1

- Cuando se presiona en el TEXT(Ejem Playlist 5) debe de mostrar un mensaje(TOAST), una descripción acerca de ese ALBUM(Ejem. "My Playlist 5").
- Cuando se presiona en el BUTTON(escuchar) debe de redirigir a un nuevo activity, en donde se mostrara nuevamente un RecyclerView con el listado de las canciones que tiene ese ALBUM.



Al presionar en cualquier de los text se muestra la descripción en un toast.

Al presionar en escuchar la aplicación nos lleva a un nuevo activity.

Para lograr resolver la presente premisa, se utilizó un rvadapter, view holder y librerías extras.

# FRAGMENTOS DE CÓDIGO

```
public class RVAdapter extends RecyclerView.Adapter<ViewHolder> {
    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,viewGro
        up,false);
        ViewHolder vHolder = new ViewHolder(view);
        return vHolder;
    }
    @Override
    public void onBindViewHolder(ViewHolder holder, final int position) {
        String URI = "https://i.imgur.com/";
        Glide.with(context)
            .asBitmap()
            .load(URI + imageNames.get(position)+ ".png")
            .into(holder.getCircleImage());
        holder.getTvImage().setText(imageNames.get(position));
        holder.getTvImage().setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Toast.makeText(context,"My " +imageNames.get(position),
                Toast.LENGTH_SHORT).show();
            }
        });
        holder.getEscu().setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {

                Intent in = new Intent(context,Playlist_1.class);
                context.startActivity(in); }); }
    @Override
    public int getItemCount() {
        return imageNames.size();
    }
}
```

```
public class ViewHolder extends RecyclerView.ViewHolder {
    private RelativeLayout rlContainer;
    private CircleImageView circleImage;
    private TextView tvImage;
    private Button escu;
    public ViewHolder( View itemView) {
        super(itemView);
        initComponents(itemView);
    }
    private void initComponents(View itemView) {
        rlContainer= itemView.findViewById(R.id.rllistItem);
        circleImage= itemView.findViewById(R.id.civItem);
        tvImage= itemView.findViewById(R.id.tvImage);
        escu=itemView.findViewById(R.id.skip1);
    }
    public RelativeLayout getRlContainer() {
        return rlContainer;
    }
    public CircleImageView getCircleImage() {
        return circleImage;
    }
    public TextView getTvImage() {
        return tvImage;
    }
    public Button getEscu() {
        return escu;
    }
}
```

# FRAGMENTOS DE CÓDIGO

```
public class MainActivity extends AppCompatActivity
{
    private RecyclerView recyclerView;
    private RVAdapter rvAdapter;
    private ArrayList<String> imagesName = new ArrayList<>();
    private ArrayList<String> imagesURL = new ArrayList<>();
    private final String
imUR="V40gA40,yB3d2qH,9jMbaX2,rYndmdq,sypYnSP,HBek1ot,YCqbt8r,eLk31XX,4ZHp7FO,Xz
ffKgy,DJabk5C";
    private final String imName="Playlist 1,Playlist 2,Playlist 3,Playlist
4,Playlist 5,Playlist 6,Playlist 7,Playlist 8,Playlist 9,Playlist 10,Playlist
11";
    @Override
    protected void onCreate(Bundle savedInstanceState)
    {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        initImageBitMaps();
        initRecyclerView();
    }
    public void initImageBitMaps()
    {
        imagesURL.addAll(Arrays.asList(imUR.split(",")));
        imagesName.addAll(Arrays.asList(imName.split(","))); }
    public void initRecyclerView()
    {
        recyclerView = findViewById(R.id.rvContainer);
        rvAdapter = new RVAdapter(this, imagesName, imagesURL);
        recyclerView.setAdapter(rvAdapter);
        recyclerView.setLayoutManager(new LinearLayoutManager(this));
    }
}
```

```
<?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>
```

```
<?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=".App.Playlist_1">
    <androidx.recyclerview.widget.RecyclerView
        android:id="@+id/rvContainer2"
        android:layout_width="match_parent"
        android:layout_height="match_parent">
    </androidx.recyclerview.widget.RecyclerView>
    <androidx.viewpager.widget.ViewPager
        android:id="@+id/viewPagerContainer2"
        android:layout_width="match_parent"
        android:layout_height="match_parent">
    </androidx.viewpager.widget.ViewPager>
</RelativeLayout>
```

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:id="@+id/rllListItem"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:background="@color/color2"
    android:padding="12dp">
    <de.hdodenhof.circleimageview.CircleImageView
        android:id="@+id/civItem"
        android:layout_width="60dp"
        android:layout_height="60dp"
        android:src="@mipmap/ic_launcher_round" />
    <TextView
        android:id="@+id/tvImage"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="@string/canada"
        android:layout_toRightOf="@id/civItem"
        android:layout_centerVertical="true"
        android:padding="8dp"
        android:textColor="@color/colorWhite"
        android:textSize="25sp"
        android:layout_marginStart="20dp"
        android:clickable="true">
    </TextView>
    <Button
        android:id="@+id/skip1"
        android:layout_width="wrap_content"
        android:layout_marginTop="7dp"
        android:layout_height="wrap_content"
        android:layout_marginLeft="250dp"
        android:background="@drawable/stylesheet"
        android:text="@string/Escuchar"
        android:textColor="@color/colorLetra"></Button>
</RelativeLayout>

```

```

<resources>
<string name="app_name">PlayList</string>
<string name="canada">Canada</string>
<string name="Escuchar">escuchar</string>
</resources>

```

```

<?xml version="1.0" encoding="utf-8"?>
<resources>
    <color name="colorPrimary">#6200EE</color>
    <color name="colorPrimaryDark">#3700B3</color>
    <color name="colorAccent">#03DAC5</color>
    <color name="colorWhite">#FFFFFF</color>
    <color name="colorLetra">#36D47A</color>
    <color name="color2">#93F99A</color>
</resources>

```

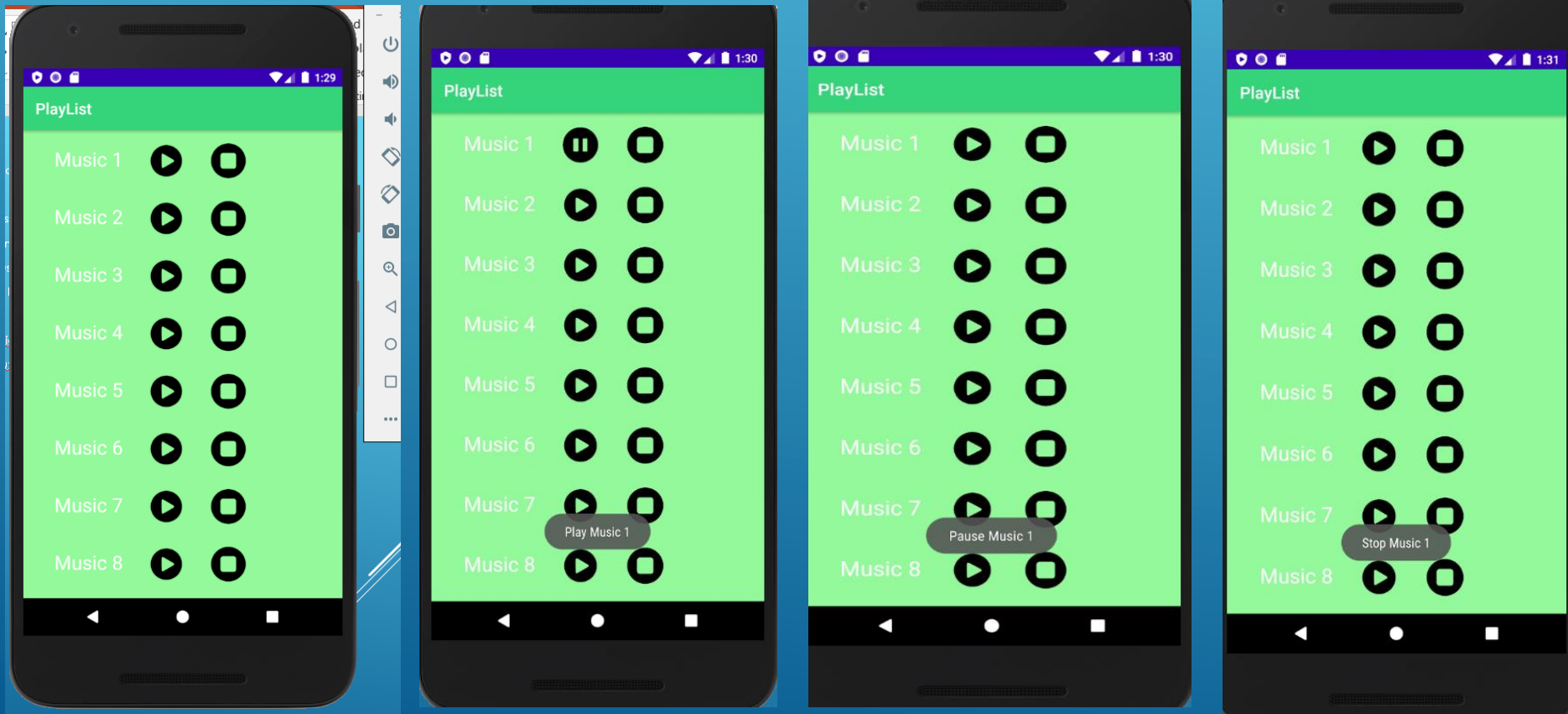
```

<?xml version="1.0" encoding="utf-8"?>
<shape xmlns:android="http://schemas.android.com/apk/res/android">
    <solid android:color="@color/colorWhite"/>
    <corners android:radius="20dp"/>
    <stroke android:width="1dp" android:color="@color/colorLetra"/>
</shape>

```

## PREMISAS N° 2 Y 3

- ▶ Mostrar el listado de todas las canciones que forman parte de ese ALBUM.
- ▶ Cada canción tiene 3 opciones (PLAY, PAUSE y STOP)
  - ▶ Cuando se presiona PLAY mostrar el TOAST("Play music").
  - ▶ Cuando se presiona PAUSE mostrar el TOAST("Pause music").
  - ▶ Cuando se presiona STOP mostrar el TOAST("Stop music").
- ▶ Importante, estas opciones **no son BUTTONS**. Debe de utilizar IMAGEVIEW.
- ▶ Unificar las opciones PLAY y PAUSE en un solo.
- ▶ Es decir cuando se hace PLAY debe de cambiar el imageView automáticamente a PAUSE.
- ▶ Ocurre lo mismo cuando se presiona PAUSE este cambia automáticamente a PLAY.



Al presionar los ImageView de play, pause y stop nos muestra la descripción en un toast y en las opciones de play y pause el manejo es dinámico ya que un ImageView se oculta cuando se presiona el que se desea utilizar.



# FRAGMENTOS DE CÓDIGO

```
public class RVAdapter2 extends
RecyclerView.Adapter<ViewHolder2> {
    private static final String TAG = "RVAdapter2";
    private Context context1;
    private ArrayList<String> imageNames1= new ArrayList<>();
    private ArrayList<String> imagesURI1= new ArrayList<>();
    private ArrayList<String> imagesURI2= new ArrayList<>();
    private ArrayList<String> imagesURI3= new ArrayList<>();
    public RVAdapter2(Context context1, ArrayList<String>
imageNames1, ArrayList<String> imagesURI1 ,ArrayList<String>
imagesURI2,ArrayList<String> imagesURI3 ) {
        this.context1=context1;
        this.imageNames1=imageNames1;
        this.imagesURI1=imagesURI1;
        this.imagesURI2=imagesURI2;
        this.imagesURI3=imagesURI3;
    }
    @Override
    public ViewHolder2 onCreateViewHolder(ViewGroup viewGroup,
int viewType){
        View view =
LayoutInflater.from(viewGroup.getContext()).inflate(R.layout.rl
_list_item2,viewGroup,false);
        ViewHolder2 vHolder = new ViewHolder2(view);
        return vHolder;
    }
    @Override
    public void onBindViewHolder(final ViewHolder2 holder,
final int position) {
        String URI = "https://i.imgur.com/";
        Glide.with(context1)
            .asBitmap()
            .load(URI + imagesURI1.get(position)+ ".png")
            .into(holder.getCircleImage());
    }
}
```

Se utilizó un segundo rvadapter

```
Glide.with(context1)
    .asBitmap()
    .load(URI + imagesURI2.get(position)+ ".png")
    .into(holder.getCircleImage2());
Glide.with(context1)
    .asBitmap()
    .load(URI + imagesURI3.get(position)+ ".png")
    .into(holder.getCircleImage3());
holder.getTvImage().setText(imageNames1.get(position));
holder.getCircleImage().setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {

        holder.getCircleImage().setVisibility(View.INVISIBLE);
        holder.getCircleImage2().setVisibility(View.VISIBLE);
        Toast.makeText(context1,"Play " +imageNames1.get(position), Toast.LENGTH_SHORT).show();
    }
});
holder.getCircleImage2().setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {

        holder.getCircleImage().setVisibility(View.VISIBLE);
        holder.getCircleImage2().setVisibility(View.INVISIBLE);
        Toast.makeText(context1,"Pause " +imageNames1.get(position), Toast.LENGTH_SHORT).show();
    }
});
holder.getCircleImage3().setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Toast.makeText(context1,"Stop " +imageNames1.get(position), Toast.LENGTH_SHORT).show();
    }
});
}
@Override
public int getItemCount() {
    return imageNames1.size();
}
}
```

## Se utilizó un segundo ViewHolder

```
public class ViewHolder2 extends RecyclerView.ViewHolder {
    private RelativeLayout rlContainer;
    private CircleImageView
circleImage,circleImage2,circleImage3,circleImage4;
    private TextView tvImage;

    public ViewHolder2( View itemView) {
        super(itemView);
        initComponents(itemView);
    }
    private void initComponents(View itemView) {
        rlContainer= itemView.findViewById(R.id.rllistItem2);
        circleImage= itemView.findViewById(R.id.civItem1);
        circleImage2= itemView.findViewById(R.id.civItem2);
        circleImage3= itemView.findViewById(R.id.civItem3);
        tvImage= itemView.findViewById(R.id.tvImage);
    }
    public RelativeLayout getRlContainer() {
        return rlContainer;
    }
    public CircleImageView getCircleImage() {
        return circleImage;
    }
    public CircleImageView getCircleImage2() {
        return circleImage2;
    }
    public CircleImageView getCircleImage3() {
        return circleImage3;
    }
    public TextView getTvImage() {
        return tvImage;
    }
}
```

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    android:id="@+id/rlListItem2"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:background="@color/color2"
    android:padding="12dp">
    <TextView
        android:id="@+id/tvImage"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="@string/canada"
        android:layout_centerVertical="true"
        android:padding="8dp"
        android:textColor="@color/colorWhite"
        android:textSize="25sp"
        android:layout_marginStart="20dp"
        android:clickable="true">
    </TextView>
    <de.hdodenhof.circleimageview.CircleImageView
        android:id="@+id/civItem1"
        android:layout_width="45dp"
        android:layout_height="45dp"
        android:src="@mipmap/ic_launcher_round"
        android:layout_marginLeft="150dp"
        android:layout_marginTop="5dp" />
    <de.hdodenhof.circleimageview.CircleImageView
        android:id="@+id/civItem2"
        android:layout_width="45dp"
        android:layout_height="45dp"
        android:src="@mipmap/ic_launcher_round"
        android:layout_marginLeft="150dp"
        android:layout_marginTop="5dp"
        android:visibility="invisible" />
    <de.hdodenhof.circleimageview.CircleImageView
        android:id="@+id/civItem3"
        android:layout_width="45dp"
        android:layout_height="45dp"
        android:src="@mipmap/ic_launcher_round"
        android:layout_marginLeft="230dp"
        android:layout_marginTop="5dp" />
</RelativeLayout>
```



