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Crear aplicación con 4 tabs inicio, registro, contacto y canciones favoritas.

 Un tabs inicio que salga un vídeo de bienvenida cualquier tipo de vídeo, e información de la aplicación, en registro me aparezca un formulario si lo mando me diga un alerta diciéndome que ya he sido registrado y si lo envió vacío me mande una alerta diciéndome que debo llenarlo, al ingresarlo correctamente me envié a un otro layout oculto que no estén los tabs, que me diga bienvenido y el nombre que se introdujo, por lo tanto el usuario y contrasena pueden ser constante internamente en variables.

En el tabs contacto me muestre información de ustedes su nombre, foto, etc. y que al pasar por cada tabs me muestre un mensaje de corto tiempo pequeño que se quite solo y me diga ejemplo: "has pasado al tabs contacto " y así sucesivamente.

En el tabs canciones favoritas una lista de canciones personales de su preferencia, que cuando presione una canción una me envié a la canción en youtube o otra plataforma a escucharla.

**AndroidManifest.xml**

<?xml version="1.0" encoding="utf-8"?>

<manifest xmlns:android="http://schemas.android.com/apk/res/android"

package="com.example.tarea6" >

<application

android:allowBackup="true"

android:icon="@mipmap/ic\_launcher"

android:label="@string/app\_name"

android:roundIcon="@mipmap/ic\_launcher\_round"

android:supportsRtl="true"

android:theme="@style/AppTheme" >

<activity android:name=".MainActivity" >

<intent-filter>

<action android:name="android.intent.action.MAIN" />

<category android:name="android.intent.category.LAUNCHER" />

</intent-filter>

</activity>

<activity android:name=".LoginActivity">

</activity>

<activity android:name=".WelcomeActivity">

</activity>

</application>

</manifest>

**ContactFragment.java**

**package com.example.tarea6;**

import android.os.Bundle;

import android.view.LayoutInflater;

import android.view.View;

import android.view.ViewGroup;

import android.widget.Toast;

import androidx.annotation.NonNull;

import androidx.annotation.Nullable;

import androidx.fragment.app.Fragment;

public class ContactFragment extends Fragment {

public ContactFragment(){

}

@Nullable

@Override

public View onCreateView(@NonNull LayoutInflater inflater, @Nullable ViewGroup container, @Nullable Bundle savedInstanceState) {

View view = inflater.inflate(R.layout.*fragment\_contact*,container,false);

return view;

}

}

**DialogRegistryValidation.java**

**package com.example.tarea6;**

import android.app.AlertDialog;

import android.app.Dialog;

import android.content.DialogInterface;

import android.content.Intent;

import android.os.Bundle;

import androidx.annotation.NonNull;

import androidx.annotation.Nullable;

import androidx.fragment.app.DialogFragment;

import static com.example.tarea6.RegisterFragment.*FIRST\_NAME*;

import static com.example.tarea6.RegisterFragment.*LAST\_NAME*;

public class DialogRegistryValidation extends DialogFragment {

private String mText;

private String [] mNames;

public DialogRegistryValidation(String text){

mText = text;

}

public DialogRegistryValidation(String text,String [] names){

mText = text;

mNames = names;

}

@NonNull

@Override

public Dialog onCreateDialog(@Nullable Bundle savedInstanceState) {

AlertDialog.Builder builder = new AlertDialog.Builder(getActivity()).

setTitle(mText);

if(mText.equals(getString(R.string.*success*))){

builder.setPositiveButton(R.string.*ok*, new DialogInterface.OnClickListener() {

@Override

public void onClick(DialogInterface dialog, int which) {

Intent intent = new Intent(getContext(),LoginActivity.class);

intent.putExtra(*FIRST\_NAME*,mNames[0]);

intent.putExtra(*LAST\_NAME*,mNames[1]);

startActivity(intent);

}

});

} else{

builder.setPositiveButton(R.string.*ok*,null);

}

return builder.create();

}

}

**HomeFragment.java**

**package com.example.tarea6;**

import android.net.Uri;

import android.os.Bundle;

import android.view.LayoutInflater;

import android.view.View;

import android.view.ViewGroup;

import android.widget.VideoView;

import androidx.annotation.NonNull;

import androidx.annotation.Nullable;

import androidx.fragment.app.Fragment;

public class HomeFragment extends Fragment {

private VideoView mVideoView;

@Nullable

@Override

public View onCreateView(@NonNull LayoutInflater inflater, @Nullable ViewGroup container, @Nullable Bundle savedInstanceState) {

View view = inflater.inflate(R.layout.*fragment\_home*,container,false);

mVideoView = view.findViewById(R.id.*video\_view*);

Uri uri = Uri.*parse*("android.resource://"+getActivity().getPackageName()+"/"+R.raw.*intro*);

getVideoView().setVideoURI(uri);

getVideoView().start();

return view;

}

public VideoView getVideoView() {

return mVideoView;

}

@Override

public void setUserVisibleHint(boolean isVisibleToUser) {

super.setUserVisibleHint(isVisibleToUser && getView() != null);

if(mVideoView!=null) {

if (isVisibleToUser) {

mVideoView.start();

} else {

mVideoView.pause();

}

}

}

}

**LoginActivity.java**

**package com.example.tarea6;**

import androidx.fragment.app.Fragment;

public class LoginActivity extends SingleFragmentActivity{

@Override

protected Fragment createFragment() {

return new LoginFragment();

}

}

**LoginFragment.java**

**package com.example.tarea6;**

import android.content.Intent;

import android.os.Bundle;

import android.view.LayoutInflater;

import android.view.View;

import android.view.ViewGroup;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

import androidx.annotation.NonNull;

import androidx.annotation.Nullable;

import androidx.fragment.app.Fragment;

public class LoginFragment extends Fragment {

private EditText mUserEditText;

private EditText mPasswordEditText;

private Button mButtonLogIn;

private final String USER ="user";

private final String PASSWORD = "1234";

@Nullable

@Override

public View onCreateView(@NonNull final LayoutInflater inflater, @Nullable ViewGroup container, @Nullable Bundle savedInstanceState) {

View view = inflater.inflate(R.layout.*fragment\_login*,container,false);

mUserEditText = view.findViewById(R.id.*edit\_text\_user*);

mPasswordEditText = view.findViewById(R.id.*edit\_text\_password*);

mButtonLogIn = view.findViewById(R.id.*button\_login*);

mButtonLogIn.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

String user = mUserEditText.getText().toString();

String password = mPasswordEditText.getText().toString();

if(user.equals(USER) && password.equals(PASSWORD)){

String firstName = getActivity().getIntent().getStringExtra(RegisterFragment.*FIRST\_NAME*);

String lastName = getActivity().getIntent().getStringExtra(RegisterFragment.*LAST\_NAME*);

Intent intent = new Intent(getContext(),WelcomeActivity.class);

intent.putExtra(RegisterFragment.*FIRST\_NAME*,firstName);

intent.putExtra(RegisterFragment.*LAST\_NAME*,lastName);

startActivity(intent);

}else {

Toast.*makeText*(getContext(),R.string.*wrong*,Toast.*LENGTH\_SHORT*).show();

}

}

});

return view;

}

}

**MainActivity.java**

**package com.example.tarea6;**

import android.content.Context;

import android.os.Bundle;

import android.widget.Toast;

import androidx.annotation.Nullable;

import androidx.appcompat.app.AppCompatActivity;

import androidx.viewpager.widget.ViewPager;

import com.google.android.material.tabs.TabLayout;

public class MainActivity extends AppCompatActivity {

private TabLayout mTabLayout;

private ViewPager mViewPager;

private String mSelectedTabName;

@Override

protected void onCreate(@Nullable Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main*);

mTabLayout = findViewById(R.id.*tab\_layout*);

mViewPager = findViewById(R.id.*view\_pager*);

final int tabCount = mTabLayout.getTabCount();

final SimpleFragmentPagerAdapter adapter = new SimpleFragmentPagerAdapter(

getSupportFragmentManager(),this,tabCount);

mViewPager.setAdapter(adapter);

mViewPager.addOnPageChangeListener(new TabLayout.TabLayoutOnPageChangeListener(mTabLayout));

String [] tabNames = {

getString(R.string.*home*),

getString(R.string.*registry*),

getString(R.string.*contact*),

getString(R.string.*favorites\_song*)

};

TabListener tabListener = new TabListener(mViewPager,tabNames,this,getString(R.string.*passed*));

mTabLayout.addOnTabSelectedListener(tabListener);

}

private class TabListener implements TabLayout.OnTabSelectedListener {

private ViewPager mViewPager;

private String [] mTabNames;

private Context mContext;

private String mPassed;

public TabListener(ViewPager viewPager, String [] tabNames, Context context,String passed){

mViewPager = viewPager;

mTabNames = tabNames;

mContext = context;

mPassed = passed;

}

@Override

public void onTabSelected(TabLayout.Tab tab) {

int position = tab.getPosition();

mViewPager.setCurrentItem(position);

StringBuilder stringBuilder = new StringBuilder();

stringBuilder.append(mPassed);

stringBuilder.append(" ");

stringBuilder.append(mTabNames[tab.getPosition()]);

Toast.*makeText*(mContext,stringBuilder.toString(),Toast.*LENGTH\_SHORT*).show();

}

@Override

public void onTabUnselected(TabLayout.Tab tab) {

}

@Override

public void onTabReselected(TabLayout.Tab tab) {

}

}

}

**Music.java**

**package com.example.tarea6;**

public class Music {

private String name;

private String artist;

private String url;

public Music(String name, String artist, String url) {

this.name = name;

this.artist = artist;

this.url = url;

}

public String getName() {

return name;

}

public String getArtist() {

return artist;

}

public String getUrl() {

return url;

}

}

**MusicFragment.java**

**package com.example.tarea6;**

import android.content.Intent;

import android.net.Uri;

import android.os.Bundle;

import android.view.LayoutInflater;

import android.view.View;

import android.view.ViewGroup;

import android.widget.TextView;

import androidx.annotation.NonNull;

import androidx.annotation.Nullable;

import androidx.fragment.app.Fragment;

import androidx.recyclerview.widget.LinearLayoutManager;

import androidx.recyclerview.widget.RecyclerView;

import java.util.ArrayList;

import java.util.List;

public class MusicFragment extends Fragment {

private RecyclerView mRecyclerView;

private MusicAdapter mMusicAdapter;

public MusicFragment(){

}

@Nullable

@Override

public View onCreateView(@NonNull LayoutInflater inflater, @Nullable ViewGroup container, @Nullable Bundle savedInstanceState) {

View view = inflater.inflate(R.layout.*fragment\_music*,container,false);

mRecyclerView = view.findViewById(R.id.*recycler\_view*);

mRecyclerView.setLayoutManager(new LinearLayoutManager(getActivity()));

List<Music> musicList = new ArrayList<>();

musicList.add(new Music("In the end","Linkin Park","https://www.youtube.com/watch?v=eVTXPUF4Oz4"));

musicList.add(new Music("New Divide","Linkin Park","https://www.youtube.com/watch?v=ysSxxIqKNN0"));

musicList.add(new Music("Orion","Metallica","https://www.youtube.com/watch?v=V4mb\_BnKP1A"));

musicList.add(new Music("St.Anger","Metallica","https://www.youtube.com/watch?v=6ajl1ABdD8A"));

musicList.add(new Music("Addicted To Chaos","Megadeth","https://www.youtube.com/watch?v=G9P\_4RXHCys"));

musicList.add(new Music("Dystopia", "Megadeth","https://www.youtube.com/watch?v=bK95lWHl7js"));

musicList.add(new Music("Ghost Of The Navigator","Iron Maiden","https://www.youtube.com/watch?v=CQVCJziKw-E"));

musicList.add(new Music("Black Diamond","Stratovarius","https://www.youtube.com/watch?v=Tn58-Nl9NYw"));

musicList.add(new Music("Princess of the Night","Saxon","https://www.youtube.com/watch?v=-49noOAFsG8"));

musicList.add(new Music("Lie Lie Lie","Serj Tankian","https://www.youtube.com/watch?v=TkPbJIlEXow"));

mMusicAdapter = new MusicAdapter(musicList);

mRecyclerView.setAdapter(mMusicAdapter);

return view;

}

private class MusicAdapter extends RecyclerView.Adapter<MusicHolder> {

private List<Music> mList;

public MusicAdapter(List<Music> list){

mList = list;

}

@NonNull

@Override

public MusicHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {

LayoutInflater layoutInflater = LayoutInflater.*from*(getActivity());

return new MusicHolder(layoutInflater,parent);

}

@Override

public void onBindViewHolder(@NonNull MusicHolder holder, int position) {

Music music = mList.get(position);

holder.bind(music);

}

@Override

public int getItemCount() {

return mList.size();

}

}

private class MusicHolder extends RecyclerView.ViewHolder implements View.OnClickListener{

private TextView mTextViewName;

private TextView mTextViewArtist;

private Music mMusic;

public MusicHolder(LayoutInflater inflater, ViewGroup parent) {

super(inflater.inflate(R.layout.*music\_list\_item*, parent, false));

this.mTextViewName = itemView.findViewById(R.id.*text\_view\_name\_music*);

mTextViewArtist = itemView.findViewById(R.id.*text\_view\_artist*);

itemView.setOnClickListener(this);

}

public void bind(Music music){

mMusic = music;

this.mTextViewName.setText(getString(R.string.*song*,music.getName()));

this.mTextViewArtist.setText(getString(R.string.*artist*,mMusic.getArtist()));

}

@Override

public void onClick(View v) {

Intent intent = new Intent(Intent.*ACTION\_VIEW*, Uri.*parse*(mMusic.getUrl()));

startActivity(intent);

}

}

}

**RegisterFragment.java**

**package com.example.tarea6;**

import android.os.Bundle;

import android.view.LayoutInflater;

import android.view.View;

import android.view.ViewGroup;

import android.widget.Button;

import android.widget.EditText;

import androidx.annotation.NonNull;

import androidx.annotation.Nullable;

import androidx.fragment.app.Fragment;

import androidx.fragment.app.FragmentManager;

public class RegisterFragment extends Fragment {

private EditText mEditTextFirstName;

private EditText mEditTextLastName;

private Button mButtonNext;

public static String *FIRST\_NAME* = "firstName";

public static String *LAST\_NAME* ="lastName";

private final String DIALOG\_VALIDATION="DialogValidation";

@Nullable

@Override

public View onCreateView(@NonNull LayoutInflater inflater, @Nullable ViewGroup container, @Nullable Bundle savedInstanceState) {

View view = inflater.inflate(R.layout.*fragment\_register*,container,false);

mEditTextFirstName = view.findViewById(R.id.*edit\_text\_first\_name*);

mEditTextLastName = view.findViewById(R.id.*edit\_text\_last\_name*);

mButtonNext = view.findViewById(R.id.*button\_next*);

mButtonNext.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

String firstName = mEditTextFirstName.getText().toString();

String lastName = mEditTextLastName.getText().toString();

boolean isNotValid = firstName.equals("") || lastName.equals("");

FragmentManager manager = getFragmentManager();

if (isNotValid){

DialogRegistryValidation dialog = new DialogRegistryValidation(getString(R.string.*wrong*));

dialog.show(manager,DIALOG\_VALIDATION);

} else {

String [] names = {firstName,lastName};

DialogRegistryValidation dialog = new DialogRegistryValidation(getString(R.string.*success*),names);

dialog.show(manager,DIALOG\_VALIDATION);

}

}

});

return view;

}

}

**SimpleFragmenPagerAdapter.java**

**package com.example.tarea6;**

import android.content.Context;

import androidx.fragment.app.Fragment;

import androidx.fragment.app.FragmentManager;

import androidx.fragment.app.FragmentPagerAdapter;

public class SimpleFragmentPagerAdapter extends FragmentPagerAdapter {

private Context mContext;

private int mTotalTabs;

public SimpleFragmentPagerAdapter(FragmentManager fm, Context context, int tab) {

super(fm);

mContext = context;

mTotalTabs = tab;

}

@Override

public Fragment getItem(int position) {

switch (position){

case 0:

return new HomeFragment();

case 1:

return new RegisterFragment();

case 2:

return new ContactFragment();

case 3: return new MusicFragment();

default:

return null;

}

}

@Override

public int getCount() {

return mTotalTabs;

}

}

**SingleFragmentActivity.java**

**package com.example.tarea6;**

import android.os.Bundle;

import androidx.annotation.Nullable;

import androidx.appcompat.app.AppCompatActivity;

import androidx.fragment.app.Fragment;

import androidx.fragment.app.FragmentManager;

public abstract class SingleFragmentActivity extends AppCompatActivity {

protected Fragment mFragment;

protected abstract Fragment createFragment();

@Override

protected void onCreate(@Nullable Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*single\_activity\_fragment*);

FragmentManager fm = getSupportFragmentManager();

mFragment = fm.findFragmentById(R.id.*single\_fragment\_container*);

if(mFragment ==null){

mFragment = createFragment();

fm.beginTransaction().add(R.id.*single\_fragment\_container*,mFragment).commit();

}

}

}

**WelcomeActivity.java**

**package com.example.tarea6;**

import androidx.fragment.app.Fragment;

public class WelcomeActivity extends SingleFragmentActivity {

@Override

protected Fragment createFragment() {

return new WelcomeFragment();

}

}

**WelcomeFragment.java**

**package com.example.tarea6;**

import android.content.Intent;

import android.os.Bundle;

import android.view.LayoutInflater;

import android.view.View;

import android.view.ViewGroup;

import android.widget.TextView;

import androidx.annotation.NonNull;

import androidx.annotation.Nullable;

import androidx.fragment.app.Fragment;

public class WelcomeFragment extends Fragment {

private TextView mTextViewWelcome;

@Nullable

@Override

public View onCreateView(@NonNull LayoutInflater inflater, @Nullable ViewGroup container, @Nullable Bundle savedInstanceState) {

View view = inflater.inflate(R.layout.*fragment\_welcome*,null,false);

mTextViewWelcome = view.findViewById(R.id.*text\_view\_welcome*);

Intent intent = getActivity().getIntent();

String firstName = intent.getStringExtra(RegisterFragment.*FIRST\_NAME*);

String lastName = intent.getStringExtra(RegisterFragment.*LAST\_NAME*);

String welcomeSentence = getString(R.string.*text\_welcome*,firstName,lastName);

mTextViewWelcome.setText(welcomeSentence);

return view;

}

}

**ExampleInstrumentedTest.java**

**package com.example.tarea6;**

import android.content.Context;

import androidx.test.platform.app.InstrumentationRegistry;

import androidx.test.ext.junit.runners.AndroidJUnit4;

import org.junit.Test;

import org.junit.runner.RunWith;

import static org.junit.Assert.\*;

*/\*\**

*\* Instrumented test, which will execute on an Android device.*

*\**

*\** ***@see*** *<a href="http://d.android.com/tools/testing">Testing documentation</a>*

*\*/*

@RunWith(AndroidJUnit4.class)

public class ExampleInstrumentedTest {

@Test

public void useAppContext() {

// Context of the app under test.

Context appContext = InstrumentationRegistry.*getInstrumentation*().getTargetContext();

*assertEquals*("com.example.tarea6", appContext.getPackageName());

}

}

**ExampleUnitTest.java**

**package com.example.tarea6;**

import org.junit.Test;

import static org.junit.Assert.\*;

*/\*\**

*\* Example local unit test, which will execute on the development machine (host).*

*\**

*\** ***@see*** *<a href="http://d.android.com/tools/testing">Testing documentation</a>*

*\*/*

public class ExampleUnitTest {

@Test

public void addition\_isCorrect() {

*assertEquals*(4, 2 + 2);

}

}

**BuildConfig.java**

***/\*\****

*\* Automatically generated file. DO NOT MODIFY*

*\*/*

package com.example.tarea6;

public final class BuildConfig {

public static final boolean *DEBUG* = Boolean.*parseBoolean*("true");

public static final String *APPLICATION\_ID* = "com.example.tarea6";

public static final String *BUILD\_TYPE* = "debug";

public static final String *FLAVOR* = "";

public static final int *VERSION\_CODE* = 1;

public static final String *VERSION\_NAME* = "1.0";

}

**BuildConfig.java**

***/\*\****

*\* Automatically generated file. DO NOT MODIFY*

*\*/*

package com.example.tarea6.test;

public final class BuildConfig {

public static final boolean *DEBUG* = Boolean.*parseBoolean*("true");

public static final String *APPLICATION\_ID* = "com.example.tarea6.test";

public static final String *BUILD\_TYPE* = "debug";

public static final String *FLAVOR* = "";

public static final int *VERSION\_CODE* = 1;

public static final String *VERSION\_NAME* = "1.0";

}

**activity\_main.xml**

**<?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"

android:layout\_height="match\_parent"

android:layout\_width="match\_parent"

xmlns:tools="http://schemas.android.com/tools"

tools:context=".MainActivity">

<com.google.android.material.tabs.TabLayout

android:id="@+id/tab\_layout"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

tools:ignore="MissingConstraints">

<com.google.android.material.tabs.TabItem

android:text="@string/home"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content" />

<com.google.android.material.tabs.TabItem

android:text="@string/registry"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

/>

<com.google.android.material.tabs.TabItem

android:text="@string/contact"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

/>

<com.google.android.material.tabs.TabItem

android:text="@string/favorites\_song"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

/>

</com.google.android.material.tabs.TabLayout>

<androidx.viewpager.widget.ViewPager

android:id="@+id/view\_pager"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@id/tab\_layout" />

</androidx.constraintlayout.widget.ConstraintLayout>

**fragment\_contact.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:orientation="vertical" android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical">

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="horizontal">

<ImageView

android:id="@+id/imageView"

android:layout\_width="294dp"

android:layout\_height="98dp"

android:layout\_weight="1"

app:srcCompat="@drawable/pp" />

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:orientation="vertical">

<TextView

android:id="@+id/textView3"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="@string/name" />

<TextView

android:id="@+id/textView4"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="@string/id" />

<TextView

android:id="@+id/textView8"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="@string/career" />

</LinearLayout>

</LinearLayout>

</LinearLayout>

</RelativeLayout>

**fragment\_home.xml**

**<?xml version="1.0" encoding="utf-8"?>**

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"

android:orientation="vertical" android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<TextView

android:id="@+id/textView5"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="@string/about\_app" />

<VideoView

android:id="@+id/video\_view"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content" />

</LinearLayout>

**fragment\_login.xml**

**<?xml version="1.0" encoding="utf-8"?>**

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"

android:orientation="vertical" android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<TextView

android:id="@+id/textView"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="@string/text\_login" />

<EditText

android:id="@+id/edit\_text\_user"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:ems="10"

android:hint="@string/user"

android:inputType="textPersonName" />

<EditText

android:id="@+id/edit\_text\_password"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:ems="10"

android:hint="@string/password"

android:inputType="textPassword" />

<Button

android:id="@+id/button\_login"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="@string/log\_in" />

</LinearLayout>

**fragment\_music.xml**

**<?xml version="1.0" encoding="utf-8"?>**

<androidx.recyclerview.widget.RecyclerView xmlns:android="http://schemas.android.com/apk/res/android"

android:orientation="vertical" android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:id="@+id/recycler\_view">

</androidx.recyclerview.widget.RecyclerView>

**fragment\_register.xml**

**<?xml version="1.0" encoding="utf-8"?>**

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"

android:orientation="vertical" android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<EditText

android:id="@+id/edit\_text\_first\_name"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:ems="10"

android:hint="@string/first\_name"

android:inputType="textPersonName" />

<EditText

android:id="@+id/edit\_text\_last\_name"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:ems="10"

android:hint="@string/last\_name"

android:inputType="textPersonName" />

<Button

android:id="@+id/button\_next"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="@string/next" />

</LinearLayout>

**fragment\_welcome.xml**

**<?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">

<TextView

android:id="@+id/text\_view\_welcome"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="@string/text\_welcome"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.548"

app:layout\_constraintStart\_toStartOf="parent"

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

</androidx.constraintlayout.widget.ConstraintLayout>

**music\_list\_item.xml**

**<?xml version="1.0" encoding="utf-8"?>**

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"

android:orientation="vertical" android:layout\_width="match\_parent"

android:layout\_height="wrap\_content">

<TextView

android:id="@+id/text\_view\_name\_music"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="TextView"

android:textSize="18sp" />

<TextView

android:id="@+id/text\_view\_artist"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="TextView"

android:textSize="18sp" />

</LinearLayout>

**single\_activity\_fragment.xml**

**<?xml version="1.0" encoding="utf-8"?>**

<FrameLayout

xmlns:android="http://schemas.android.com/apk/res/android"

android:orientation="vertical"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:id="@+id/single\_fragment\_container"

>

</FrameLayout>

**ic\_launcher\_bachgroud.xml**

**<?xml version="1.0" encoding="utf-8"?>**

<vector

android:height="108dp"

android:width="108dp"

android:viewportHeight="108"

android:viewportWidth="108"

xmlns:android="http://schemas.android.com/apk/res/android">

<path android:fillColor="#008577"

android:pathData="M0,0h108v108h-108z"/>

<path android:fillColor="#00000000" android:pathData="M9,0L9,108"

android:strokeColor="#33FFFFFF" android:strokeWidth="0.8"/>

<path android:fillColor="#00000000" android:pathData="M19,0L19,108"

android:strokeColor="#33FFFFFF" android:strokeWidth="0.8"/>

<path android:fillColor="#00000000" android:pathData="M29,0L29,108"

android:strokeColor="#33FFFFFF" android:strokeWidth="0.8"/>

<path android:fillColor="#00000000" android:pathData="M39,0L39,108"

android:strokeColor="#33FFFFFF" android:strokeWidth="0.8"/>

<path android:fillColor="#00000000" android:pathData="M49,0L49,108"

android:strokeColor="#33FFFFFF" android:strokeWidth="0.8"/>

<path android:fillColor="#00000000" android:pathData="M59,0L59,108"

android:strokeColor="#33FFFFFF" android:strokeWidth="0.8"/>

<path android:fillColor="#00000000" android:pathData="M69,0L69,108"

android:strokeColor="#33FFFFFF" android:strokeWidth="0.8"/>

<path android:fillColor="#00000000" android:pathData="M79,0L79,108"

android:strokeColor="#33FFFFFF" android:strokeWidth="0.8"/>

<path android:fillColor="#00000000" android:pathData="M89,0L89,108"

android:strokeColor="#33FFFFFF" android:strokeWidth="0.8"/>

<path android:fillColor="#00000000" android:pathData="M99,0L99,108"

android:strokeColor="#33FFFFFF" android:strokeWidth="0.8"/>

<path android:fillColor="#00000000" android:pathData="M0,9L108,9"

android:strokeColor="#33FFFFFF" android:strokeWidth="0.8"/>

<path android:fillColor="#00000000" android:pathData="M0,19L108,19"

android:strokeColor="#33FFFFFF" android:strokeWidth="0.8"/>

<path android:fillColor="#00000000" android:pathData="M0,29L108,29"

android:strokeColor="#33FFFFFF" android:strokeWidth="0.8"/>

<path android:fillColor="#00000000" android:pathData="M0,39L108,39"

android:strokeColor="#33FFFFFF" android:strokeWidth="0.8"/>

<path android:fillColor="#00000000" android:pathData="M0,49L108,49"

android:strokeColor="#33FFFFFF" android:strokeWidth="0.8"/>

<path android:fillColor="#00000000" android:pathData="M0,59L108,59"

android:strokeColor="#33FFFFFF" android:strokeWidth="0.8"/>

<path android:fillColor="#00000000" android:pathData="M0,69L108,69"

android:strokeColor="#33FFFFFF" android:strokeWidth="0.8"/>

<path android:fillColor="#00000000" android:pathData="M0,79L108,79"

android:strokeColor="#33FFFFFF" android:strokeWidth="0.8"/>

<path android:fillColor="#00000000" android:pathData="M0,89L108,89"

android:strokeColor="#33FFFFFF" android:strokeWidth="0.8"/>

<path android:fillColor="#00000000" android:pathData="M0,99L108,99"

android:strokeColor="#33FFFFFF" android:strokeWidth="0.8"/>

<path android:fillColor="#00000000" android:pathData="M19,29L89,29"

android:strokeColor="#33FFFFFF" android:strokeWidth="0.8"/>

<path android:fillColor="#00000000" android:pathData="M19,39L89,39"

android:strokeColor="#33FFFFFF" android:strokeWidth="0.8"/>

<path android:fillColor="#00000000" android:pathData="M19,49L89,49"

android:strokeColor="#33FFFFFF" android:strokeWidth="0.8"/>

<path android:fillColor="#00000000" android:pathData="M19,59L89,59"

android:strokeColor="#33FFFFFF" android:strokeWidth="0.8"/>

<path android:fillColor="#00000000" android:pathData="M19,69L89,69"

android:strokeColor="#33FFFFFF" android:strokeWidth="0.8"/>

<path android:fillColor="#00000000" android:pathData="M19,79L89,79"

android:strokeColor="#33FFFFFF" android:strokeWidth="0.8"/>

<path android:fillColor="#00000000" android:pathData="M29,19L29,89"

android:strokeColor="#33FFFFFF" android:strokeWidth="0.8"/>

<path android:fillColor="#00000000" android:pathData="M39,19L39,89"

android:strokeColor="#33FFFFFF" android:strokeWidth="0.8"/>

<path android:fillColor="#00000000" android:pathData="M49,19L49,89"

android:strokeColor="#33FFFFFF" android:strokeWidth="0.8"/>

<path android:fillColor="#00000000" android:pathData="M59,19L59,89"

android:strokeColor="#33FFFFFF" android:strokeWidth="0.8"/>

<path android:fillColor="#00000000" android:pathData="M69,19L69,89"

android:strokeColor="#33FFFFFF" android:strokeWidth="0.8"/>

<path android:fillColor="#00000000" android:pathData="M79,19L79,89"

android:strokeColor="#33FFFFFF" android:strokeWidth="0.8"/>

</vector>

**ic\_launcher\_foreground.xml**

**<vector xmlns:android="http://schemas.android.com/apk/res/android"**

xmlns:aapt="http://schemas.android.com/aapt"

android:width="108dp"

android:height="108dp"

android:viewportHeight="108"

android:viewportWidth="108">

<path

android:fillType="evenOdd"

android:pathData="M32,64C32,64 38.39,52.99 44.13,50.95C51.37,48.37 70.14,49.57 70.14,49.57L108.26,87.69L108,109.01L75.97,107.97L32,64Z"

android:strokeColor="#00000000"

android:strokeWidth="1">

<aapt:attr name="android:fillColor">

<gradient

android:endX="78.5885"

android:endY="90.9159"

android:startX="48.7653"

android:startY="61.0927"

android:type="linear">

<item

android:color="#44000000"

android:offset="0.0" />

<item

android:color="#00000000"

android:offset="1.0" />

</gradient>

</aapt:attr>

</path>

<path

android:fillColor="#FFFFFF"

android:fillType="nonZero"

android:pathData="M66.94,46.02L66.94,46.02C72.44,50.07 76,56.61 76,64L32,64C32,56.61 35.56,50.11 40.98,46.06L36.18,41.19C35.45,40.45 35.45,39.3 36.18,38.56C36.91,37.81 38.05,37.81 38.78,38.56L44.25,44.05C47.18,42.57 50.48,41.71 54,41.71C57.48,41.71 60.78,42.57 63.68,44.05L69.11,38.56C69.84,37.81 70.98,37.81 71.71,38.56C72.44,39.3 72.44,40.45 71.71,41.19L66.94,46.02ZM62.94,56.92C64.08,56.92 65,56.01 65,54.88C65,53.76 64.08,52.85 62.94,52.85C61.8,52.85 60.88,53.76 60.88,54.88C60.88,56.01 61.8,56.92 62.94,56.92ZM45.06,56.92C46.2,56.92 47.13,56.01 47.13,54.88C47.13,53.76 46.2,52.85 45.06,52.85C43.92,52.85 43,53.76 43,54.88C43,56.01 43.92,56.92 45.06,56.92Z"

android:strokeColor="#00000000"

android:strokeWidth="1" />

</vector>

**ic\_launcher.xml**

**<?xml version="1.0" encoding="utf-8"?>**

<adaptive-icon xmlns:android="http://schemas.android.com/apk/res/android">

<background android:drawable="@drawable/ic\_launcher\_background"/>

<foreground android:drawable="@drawable/ic\_launcher\_foreground"/>

</adaptive-icon>

**ic\_launcher\_round.xml**

**<?xml version="1.0" encoding="utf-8"?>**

<adaptive-icon xmlns:android="http://schemas.android.com/apk/res/android">

<background android:drawable="@drawable/ic\_launcher\_background"/>

<foreground android:drawable="@drawable/ic\_launcher\_foreground"/>

</adaptive-icon>

**colors.xml**

**<?xml version="1.0" encoding="utf-8"?>**

<resources>

<color name="colorPrimary">#008577</color>

<color name="colorPrimaryDark">#00574B</color>

<color name="colorAccent">#D81B60</color>

</resources>

**strings.xml**

**<resources>**

<string name="app\_name">Tarea6</string>

<string name="home">Home</string>

<string name="registry">Registry</string>

<string name="favorites\_song">Favorite songs</string>

<string name="contact">Contact</string>

<string name="next">Next</string>

<string name="first\_name">First name</string>

<string name="last\_name">Last name</string>

<string name="user">User</string>

<string name="password">Password</string>

<string name="text\_login"> Default user: user \nDefault password: 1234

</string>

<string name="log\_in">Log in</string>

<string name="text\_welcome">Welcome %1$s %2$s</string>

<string name="name">Name: Nizar Sanchez</string>

<string name="id">ID: 2018-6482</string>

<string name="career">Career: Software Development</string>

<string name="about\_app">About the app: This app was developed by Nizar Sanchez and tested in API 19</string>

<string name="song">Song: %1$s</string>

<string name="artist">Artist: %1$s</string>

<string name="passed">You have changed to the tab:</string>

<string name="wrong">The user or the password are wrong</string>

<string name="ok">OK</string>

<string name="success">You have been already registred</string>

<string name="empty\_fields">The fields must NOT be empty</string>

</resources>

**styles.xml**

**<resources>**

<!-- Base application theme. -->

<style name="AppTheme" parent="Theme.AppCompat.Light.DarkActionBar">

<!-- Customize your theme here. -->

<item name="colorPrimary">@color/colorPrimary</item>

<item name="colorPrimaryDark">@color/colorPrimaryDark</item>

<item name="colorAccent">@color/colorAccent</item>

</style>

</resources>