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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
<?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

```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;
```

```java
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

```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;
```

```java
        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

```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 {
```

```java
    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().getPackageNam
e()+"/"+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

```java
package com.example.tarea6;
import androidx.fragment.app.Fragment;
public class LoginActivity extends SingleFragmentActivity{
    @Override
    protected Fragment createFragment() {
        return new LoginFragment();
```

```
        }
}
```

LoginFragment.java

```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();
```

```java
            String password =
mPasswordEditText.getText().toString();
            if(user.equals(USER) &&
password.equals(PASSWORD)){
                String firstName =
getActivity().getIntent().getStringExtra(RegisterFragment.F
IRST_NAME);
                String  lastName =
getActivity().getIntent().getStringExtra(RegisterFragment.L
AST_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_SHO
RT).show();
            }
        }
    });
    return view;
    }
}
```

MainActivity.java

```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;
```

```java
    @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.pas
sed));
        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();
```

```java
        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

```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

```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"));
```

```java
        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
```

```java
        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.ge
tName()));

this.mTextViewArtist.setText(getString(R.string.artist,mMus
ic.getArtist()));
      }
    @Override
    public void onClick(View v) {
        Intent intent  = new Intent(Intent.ACTION_VIEW,
Uri.parse(mMusic.getUrl()));
        startActivity(intent);
      }
    }
}
```

RegisterFragment.java

```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) {
```

```java
            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

```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;
    }
```

```java
    @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

```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,mF
ragment).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

```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().getTargetConte
xt();
        assertEquals("com.example.tarea6",
appContext.getPackageName());
    }
```

```
}
```

ExampleUnitTest.java

```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

```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

```java
/**
```

```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
<?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"
```

```xml
                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
<?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"
```

```xml
                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
<?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
<?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"
```

```xml
        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
<?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
<?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"
```

```xml
            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
<?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
<?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"
```

```xml
        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
<?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
<?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"
```

```xml
        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"
```

```xml
        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

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

```xml
<resources>
    <color name="colorPrimary">#008577</color>
    <color name="colorPrimaryDark">#00574B</color>
    <color name="colorAccent">#D81B60</color>
</resources>
```

strings.xml

```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>
```

```xml
    <string name="empty_fields">The fields must NOT be
empty</string>


</resources>
```

styles.xml

```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>
```