IMPLEMENTACION



PROYECTO:

APLICACIÓN MÓVIL PARA EL SEGUIMIENTO MUNDIAL DE CASOS DE COVID-19 CON DATOS EN TIEMPO REAL

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# HISTORIAL DE VERSIONES

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| ***Fecha*** | ***Versión*** | ***Descripción*** | ***Autor*** |
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# IMPLEMENTACION

1. **RF-01 VISUALIZAR ESTADISTICAS MUNDIALES**

Las clases que involucran este requerimiento en el proyecto desarrollado son:

* Config/env.java:

**package** com.apk.appinfocovid19.Config;  
  
**public class** env {  
 **public static** String *api\_all\_country* = **"https://corona.lmao.ninja/v3/covid-19/countries"**;  
 **public static** String api\_detail\_country = **"https://disease.sh/v3/covid-19/countries/"**;  
 **public static** String api\_all\_countries = **"https://corona.lmao.ninja/v3/covid-19/all"**;  
  
 *// API Administrativo* **public static** String apiEnviarDiagnostico = **"http://70dd86fcfb3d.ngrok.io/api/DiagnosticoRegistrar"**;  
 **public static** String apiEnviarReporteCaso = **"http://70dd86fcfb3d.ngrok.io/api/CasoReportadoRegistrar"**;  
 **public static** String apiEnviarDonacion = **"http://70dd86fcfb3d.ngrok.io/api/DonacionRegistrar"**;  
  
}

* Activity/MenuActivity:

**package** com.apk.appinfocovid19.Activity;  
  
**import** androidx.annotation.NonNull;  
**import** androidx.appcompat.app.ActionBarDrawerToggle;  
**import** androidx.appcompat.app.AppCompatActivity;  
**import** androidx.appcompat.widget.AppCompatImageView;  
**import** androidx.core.view.GravityCompat;  
**import** androidx.drawerlayout.widget.DrawerLayout;  
**import** androidx.fragment.app.FragmentActivity;  
  
**import** android.content.Context;  
**import** android.content.Intent;  
**import** android.nfc.Tag;  
**import** android.os.Bundle;  
**import** android.util.Log;  
**import** android.view.MenuItem;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.LinearLayout;  
**import** android.widget.TextView;  
**import** android.widget.Toast;  
  
**import** com.android.volley.Request;  
**import** com.android.volley.RequestQueue;  
**import** com.android.volley.Response;  
**import** com.android.volley.VolleyError;  
**import** com.android.volley.toolbox.StringRequest;  
**import** com.android.volley.toolbox.Volley;  
**import** com.apk.appinfocovid19.Config.env;  
**import** com.apk.appinfocovid19.Model.Pais;  
**import** com.apk.appinfocovid19.R;  
**import** com.google.android.gms.maps.CameraUpdateFactory;  
**import** com.google.android.gms.maps.GoogleMap;  
**import** com.google.android.gms.maps.OnMapReadyCallback;  
**import** com.google.android.gms.maps.SupportMapFragment;  
**import** com.google.android.gms.maps.model.CameraPosition;  
**import** com.google.android.gms.maps.model.LatLng;  
**import** com.google.android.gms.maps.model.MapStyleOptions;  
**import** com.google.android.gms.maps.model.Marker;  
**import** com.google.android.gms.maps.model.MarkerOptions;  
**import** com.google.android.material.navigation.NavigationView;  
  
**import** org.json.JSONArray;  
**import** org.json.JSONException;  
**import** org.json.JSONObject;  
  
**import** java.util.ArrayList;  
**import** java.util.List;  
  
**public class** MenuActivity **extends** AppCompatActivity **implements** OnMapReadyCallback, NavigationView.OnNavigationItemSelectedListener {  
  
 LinearLayout **globalCasesView**, **symptomsView**, **stagesView**;  
 String **paisFocusDefecto** = **"Global"**;  
 String **paisSeleccionado**;  
 **private** GoogleMap **map**;  
 **private** List<Pais> **paisList**;  
 AppCompatImageView **menuButton**;  
 DrawerLayout **drawerLayout**;  
 ActionBarDrawerToggle **actionBarDrawerToggle**;  
 NavigationView **navigationView**;  
 TextView **confirmedCountText**, **deathCountText**, **recoveredCountText**, **titleCasesText**, **searchText**;  
 Button **consultButton**;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_menu***);  
  
 **drawerLayout** = findViewById(R.id.***drawerLayout***);  
 **navigationView** = findViewById(R.id.***navigationView***);  
 **globalCasesView** = findViewById(R.id.***globalCasesView***);  
 **stagesView** = findViewById(R.id.***stagesView***);  
 **symptomsView** = findViewById(R.id.***symptomsView***);  
 **consultButton** = findViewById(R.id.***consultButton***);  
 **searchText** = findViewById(R.id.***searchText***);  
 **navigationView**.setNavigationItemSelectedListener(**this**);  
  
 **menuButton** = findViewById(R.id.***menuButton***);  
  
 Intent intent = getIntent();  
 **if** (intent.getStringExtra(**"pais"**) != **null**) {  
 **paisFocusDefecto** = intent.getStringExtra(**"pais"**);  
 }  
 **menuButton**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 **drawerLayout**.openDrawer(**navigationView**);  
 }  
 });  
  
 **globalCasesView**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 Intent i = **new** Intent(MenuActivity.**this**, MenuDetalleActivity.**class**);  
 i.putExtra(**"pais"**, **paisSeleccionado**);  
 startActivity(i);  
 }  
 });  
 **symptomsView**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 Intent i = **new** Intent(MenuActivity.**this**, SintomasActivity.**class**);  
 startActivity(i);  
 }  
 });  
 **consultButton**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 Intent i = **new** Intent(MenuActivity.**this**, SintomasActivity.**class**);  
 startActivity(i);  
 }  
 });  
 **searchText**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 Intent i = **new** Intent(MenuActivity.**this**, BuscadorActivity.**class**);  
 startActivity(i);  
 }  
 });  
 **stagesView**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 Intent i = **new** Intent(MenuActivity.**this**, EtapasActivity.**class**);  
 startActivity(i);  
 }  
 });  
  
 **confirmedCountText** = findViewById(R.id.***confirmedCountText***);  
 **deathCountText** = findViewById(R.id.***deathCountText***);  
 **recoveredCountText** = findViewById(R.id.***recoveredCountText***);  
 **titleCasesText** = findViewById(R.id.***titleCasesText***);  
 **paisList** = **new** ArrayList<>();  
 SupportMapFragment mapFragment = (SupportMapFragment) getSupportFragmentManager()  
 .findFragmentById(R.id.***map***);  
 mapFragment.getMapAsync(**this**);  
  
 **if** (intent.getStringExtra(**"pais"**) != **null**) {  
 **paisFocusDefecto** = intent.getStringExtra(**"pais"**);  
 VerEstadisticasPais(**paisFocusDefecto**);  
 } **else** {  
 VerEstadisticasGlobales();  
 }  
  
 }  
  
 @Override  
 **public void** onMapReady(**final** GoogleMap googleMap) {  
 **map** = googleMap;  
 **map**.setMapStyle(MapStyleOptions.*loadRawResourceStyle*(**this**, R.raw.***stylemap***));  
 StringRequest stringRequest = **new** StringRequest(Request.Method.***GET***, env.*api\_all\_country*, **new** Response.Listener<String>() {  
 @Override  
 **public void** onResponse(String response) {  
 **if** (response != **null**) {  
 **try** {  
 JSONArray jsonArray = **new** JSONArray(response);  
 **final** Pais pais = **new** Pais();  
 JSONObject json = **null**;  
 JSONObject jsonSub = **null**;  
 **for** (**int** i = 0; i < jsonArray.length(); i++) {  
 json = jsonArray.getJSONObject(i);  
 jsonSub = json.getJSONObject(**"countryInfo"**);  
  
 pais.setLatitud(jsonSub.getDouble(**"lat"**));  
 pais.setLongitud(jsonSub.getDouble(**"long"**));  
 pais.setNombrePais(json.getString(**"country"**));  
 **paisList**.add(pais);  
  
 Pais location = **paisList**.get(i);  
 Marker marker = **null**;  
 LatLng position = **new** LatLng(location.getLatitud(), location.getLongitud());  
 marker = googleMap.addMarker(**new** MarkerOptions().position(position).title(location.getNombrePais()));  
 **if** (pais.getNombrePais().equals(**paisFocusDefecto**)) {  
 CameraPosition camPos = **new** CameraPosition(position, 5, 0, 0);  
 googleMap.moveCamera(CameraUpdateFactory.*newCameraPosition*(camPos));  
 marker.showInfoWindow();  
 }  
  
 googleMap.setOnMarkerClickListener(**new** GoogleMap.OnMarkerClickListener() {  
 @Override  
 **public boolean** onMarkerClick(Marker marker) {  
 String markertitle = marker.getTitle();  
 **paisSeleccionado** = markertitle;  
 VerEstadisticasPais(markertitle);  
 **return false**;  
 }  
 });  
  
 googleMap.setOnMapClickListener(**new** GoogleMap.OnMapClickListener() {  
 @Override  
 **public void** onMapClick(LatLng latLng) {  
 VerEstadisticasGlobales();  
 }  
 });  
 }  
 } **catch** (JSONException e) {  
 e.printStackTrace();  
 }  
 }  
 }  
 }, **new** Response.ErrorListener() {  
 @Override  
 **public void** onErrorResponse(VolleyError error) {  
 Toast.*makeText*(MenuActivity.**this**, error.toString(), Toast.***LENGTH\_SHORT***).show();  
 }  
 });  
 RequestQueue requestQueue = Volley.*newRequestQueue*(**this**);  
 requestQueue.add(stringRequest);  
 }  
  
 @Override  
 **public boolean** onNavigationItemSelected(@NonNull MenuItem menuItem) {  
 **drawerLayout**.closeDrawer(GravityCompat.***START***);  
 Intent i = **new** Intent();  
 **switch** (menuItem.getItemId()) {  
 **case** R.id.***nav\_global\_cases***:  
 i = **new** Intent(MenuActivity.**this**, MenuDetalleActivity.**class**);  
 startActivity(i);  
 **return false**;  
 **case** R.id.***nav\_sintomas***:  
 i = **new** Intent(MenuActivity.**this**, SintomasActivity.**class**);  
 startActivity(i);  
 **return false**;  
 **case** R.id.***nav\_precauciones***:  
 i = **new** Intent(MenuActivity.**this**, PrecaucionesActivity.**class**);  
 startActivity(i);  
 **return false**;  
 **case** R.id.***nav\_guia\_emergencia***:  
 i = **new** Intent(MenuActivity.**this**, GuiaEmergenciaActivity.**class**);  
 startActivity(i);  
 **return false**;  
 **case** R.id.***nav\_diagnostico***:  
 i = **new** Intent(MenuActivity.**this**, DiagnosticoActivity.**class**);  
 startActivity(i);  
 **return false**;  
 **case** R.id.***nav\_reportar\_caso***:  
 i = **new** Intent(MenuActivity.**this**, ReportarCasoActivity.**class**);  
 startActivity(i);  
 **return false**;  
 **case** R.id.***nav\_donacion***:  
 i = **new** Intent(MenuActivity.**this**, DonacionActivity.**class**);  
 startActivity(i);  
 **return false**;  
 }  
 **return true**;  
 }  
  
 **public void** VerEstadisticasGlobales() {  
 StringRequest stringRequest = **new** StringRequest(Request.Method.***GET***, env.*api\_all\_countries*, **new** Response.Listener<String>() {  
 @Override  
 **public void** onResponse(String response) {  
 **if** (response != **null**) {  
 **try** {  
 JSONObject jsonObject = **new** JSONObject(response);  
 **confirmedCountText**.setText(String.*valueOf*(jsonObject.getInt(**"cases"**)));  
 **deathCountText**.setText(String.*valueOf*(jsonObject.getInt(**"deaths"**)));  
 **recoveredCountText**.setText(String.*valueOf*(jsonObject.getInt(**"recovered"**)));  
 **titleCasesText**.setText(R.string.***home\_bottom\_dialog\_title***);  
 **paisSeleccionado** = **"Global"**;  
 } **catch** (JSONException e) {  
 e.printStackTrace();  
 }  
 }  
 }  
 }, **new** Response.ErrorListener() {  
 @Override  
 **public void** onErrorResponse(VolleyError error) {  
 Toast.*makeText*(MenuActivity.**this**, error.toString(), Toast.***LENGTH\_SHORT***).show();  
 }  
 });  
 RequestQueue requestQueue = Volley.*newRequestQueue*(**this**);  
 requestQueue.add(stringRequest);  
 }  
  
 **public void** VerEstadisticasPais(**final** String nombrePais) {  
 StringRequest stringRequest = **new** StringRequest(Request.Method.***GET***, env.*api\_detail\_country* + nombrePais, **new** Response.Listener<String>() {  
 @Override  
 **public void** onResponse(String response) {  
 **if** (response != **null**) {  
 **try** {  
 JSONObject jsonObject = **new** JSONObject(response);  
 **confirmedCountText**.setText(String.*valueOf*(jsonObject.getInt(**"cases"**)));  
 **deathCountText**.setText(String.*valueOf*(jsonObject.getInt(**"deaths"**)));  
 **recoveredCountText**.setText(String.*valueOf*(jsonObject.getInt(**"recovered"**)));  
 **titleCasesText**.setText(**"COVID-19 Casos en "** + nombrePais);  
 } **catch** (JSONException e) {  
 e.printStackTrace();  
 }  
 }  
 }  
 }, **new** Response.ErrorListener() {  
 @Override  
 **public void** onErrorResponse(VolleyError error) {  
 Toast.*makeText*(MenuActivity.**this**, error.toString(), Toast.***LENGTH\_SHORT***).show();  
 }  
 });  
 RequestQueue requestQueue = Volley.*newRequestQueue*(**this**);  
 requestQueue.add(stringRequest);  
 }  
}

* Layout/activity\_menu.xml

*<?***xml version="1.0" encoding="utf-8"***?>*<**androidx.drawerlayout.widget.DrawerLayout  
 xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:id="@+id/drawerLayout"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".Activity.MenuActivity"**>  
  
 <**androidx.coordinatorlayout.widget.CoordinatorLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"**>  
 <**include layout="@layout/home\_layout"** />  
 <**include layout="@layout/content\_home"** />  
 </**androidx.coordinatorlayout.widget.CoordinatorLayout**>  
  
 <**com.google.android.material.navigation.NavigationView  
 android:id="@+id/navigationView"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 app:menu="@menu/activity\_home\_drawer"  
 app:headerLayout="@layout/nav\_header\_custom"  
 android:layout\_gravity="start"  
 android:fitsSystemWindows="true"** >  
 </**com.google.android.material.navigation.NavigationView**>  
  
</**androidx.drawerlayout.widget.DrawerLayout**>

* Layout/content\_home

*<?***xml version="1.0" encoding="utf-8"***?>*<**androidx.core.widget.NestedScrollView  
 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:background="@color/white"  
 android:id="@+id/layoutBottomSheet"  
 app:behavior\_hideable="false"  
 app:behavior\_peekHeight="230dp"  
 app:cardCornerRadius="8dp"  
 app:cardElevation="2dp"  
 app:layout\_behavior="com.google.android.material.bottomsheet.BottomSheetBehavior"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"**>  
 <**LinearLayout  
 android:orientation="vertical"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"**>  
  
 <**androidx.appcompat.widget.AppCompatImageView  
 android:id="@+id/updown"  
 android:layout\_width="34dp"  
 android:layout\_height="34dp"  
 android:layout\_gravity="center"  
 android:layout\_marginTop="1dp"  
 android:tint="@color/red"  
 app:srcCompat="@drawable/ic\_keyboard\_arrow\_up\_black\_24dp"** />  
 <**TextView  
 android:id="@+id/text"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:fontFamily="@font/quicksand\_regular"  
 android:gravity="center"  
 android:text="Desliza hacia arriba"  
 android:textColor="@color/black"** />  
  
 <**LinearLayout  
 android:id="@+id/globalCasesView"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:background="?android:attr/selectableItemBackground"  
 android:clickable="true"  
 android:focusable="true"**>  
  
 <**TextView  
 android:id="@+id/titleCasesText"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="12dp"  
 android:layout\_marginBottom="12dp"  
 android:layout\_weight="1"  
 android:fontFamily="@font/quicksand\_semibold"  
 android:text="@string/home\_bottom\_dialog\_title"  
 android:textColor="@color/black"  
 android:textSize="16sp"** />  
  
 <**androidx.appcompat.widget.AppCompatImageView  
 android:layout\_width="24dp"  
 android:layout\_height="24dp"  
 android:layout\_gravity="end|center"  
 android:layout\_marginEnd="16dp"  
 app:srcCompat="@drawable/ic\_arrow"** />  
  
 </**LinearLayout**>  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"**>  
 <**com.google.android.material.card.MaterialCardView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginEnd="1dp"  
 android:layout\_weight="1"  
 android:background="@color/colorAccent"  
 app:cardCornerRadius="8dp"  
 app:cardElevation="3dp"  
 app:cardUseCompatPadding="true"**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 android:paddingTop="20dp"  
 android:paddingBottom="20dp"**>  
  
 <**TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:fontFamily="@font/quicksand\_regular"  
 android:gravity="center"  
 android:text="@string/confirmed\_total"  
 android:textColor="@color/black"** />  
  
 <**TextView  
 android:id="@+id/confirmedCountText"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="4dp"  
 android:fontFamily="@font/quicksand\_semibold"  
 android:gravity="center"  
 android:textColor="@color/red"  
 android:textSize="16sp"  
 tools:text="181,546"** />  
  
 </**LinearLayout**>  
 </**com.google.android.material.card.MaterialCardView**>  
  
 <**com.google.android.material.card.MaterialCardView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="1dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginEnd="1dp"  
 android:layout\_weight="1"  
 android:background="@color/colorAccent"  
 app:cardCornerRadius="8dp"  
 app:cardElevation="3dp"  
 app:cardUseCompatPadding="true"**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 android:paddingTop="20dp"  
 android:paddingBottom="20dp"**>  
  
 <**TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:fontFamily="@font/quicksand\_regular"  
 android:gravity="center"  
 android:text="@string/death\_total"  
 android:textColor="@color/black"** />  
  
 <**TextView  
 android:id="@+id/deathCountText"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="4dp"  
 android:fontFamily="@font/quicksand\_medium"  
 android:gravity="center"  
 android:textColor="@color/blueGrayDark"  
 android:textSize="16sp"  
 tools:text="7,154"** />  
  
 </**LinearLayout**>  
 </**com.google.android.material.card.MaterialCardView**>  
  
 <**com.google.android.material.card.MaterialCardView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="1dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginEnd="8dp"  
 android:layout\_weight="1"  
 android:background="@color/colorAccent"  
 app:cardCornerRadius="8dp"  
 app:cardElevation="3dp"  
 app:cardUseCompatPadding="true"**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 android:paddingTop="20dp"  
 android:paddingBottom="20dp"**>  
  
 <**TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:fontFamily="@font/quicksand\_regular"  
 android:gravity="center"  
 android:text="@string/recovered\_total"  
 android:textColor="@color/black"** />  
  
 <**TextView  
 android:id="@+id/recoveredCountText"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="4dp"  
 android:fontFamily="@font/quicksand\_semibold"  
 android:gravity="center"  
 android:textColor="@color/green"  
 android:textSize="16sp"  
 tools:text="79,433"** />  
  
 </**LinearLayout**>  
 </**com.google.android.material.card.MaterialCardView**>  
 </**LinearLayout**>  
 <**LinearLayout  
 android:id="@+id/symptomsView"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="4dp"  
 android:background="?android:attr/selectableItemBackground"  
 android:clickable="true"  
 android:focusable="true"**>  
  
 <**TextView  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="12dp"  
 android:layout\_marginBottom="12dp"  
 android:layout\_weight="1"  
 android:fontFamily="@font/quicksand\_semibold"  
 android:text="@string/symptoms"  
 android:textColor="@color/black"  
 android:textSize="16sp"** />  
  
 <**androidx.appcompat.widget.AppCompatImageView  
 android:layout\_width="24dp"  
 android:layout\_height="24dp"  
 android:layout\_gravity="end|center"  
 android:layout\_marginEnd="16dp"  
 app:srcCompat="@drawable/ic\_arrow"** />  
  
 </**LinearLayout**>  
  
 <**HorizontalScrollView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:scrollbars="none"**>  
  
 <**LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"**>  
  
 <**com.google.android.material.card.MaterialCardView  
 android:layout\_width="140dp"  
 android:layout\_height="160dp"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginEnd="1dp"  
 android:background="@color/colorAccent"  
 app:cardCornerRadius="8dp"  
 app:cardElevation="3dp"  
 app:cardUseCompatPadding="true"**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:gravity="center"  
 android:orientation="vertical"**>  
  
 <**androidx.appcompat.widget.AppCompatImageView  
 android:layout\_width="80dp"  
 android:layout\_height="80dp"  
 app:srcCompat="@drawable/ic\_fever"** />  
  
 <**TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="4dp"  
 android:fontFamily="@font/quicksand\_regular"  
 android:gravity="center"  
 android:text="@string/fever"  
 android:textColor="@color/black"** />  
  
 </**LinearLayout**>  
 </**com.google.android.material.card.MaterialCardView**>  
  
 <**com.google.android.material.card.MaterialCardView  
 android:layout\_width="140dp"  
 android:layout\_height="160dp"  
 android:layout\_marginStart="1dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginEnd="1dp"  
 android:background="@color/colorAccent"  
 app:cardCornerRadius="8dp"  
 app:cardElevation="3dp"  
 app:cardUseCompatPadding="true"**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:gravity="center"  
 android:orientation="vertical"**>  
  
 <**androidx.appcompat.widget.AppCompatImageView  
 android:layout\_width="80dp"  
 android:layout\_height="80dp"  
 app:srcCompat="@drawable/ic\_cough"** />  
  
 <**TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="4dp"  
 android:fontFamily="@font/quicksand\_regular"  
 android:gravity="center"  
 android:text="@string/cough"  
 android:textColor="@color/black"** />  
  
 </**LinearLayout**>  
 </**com.google.android.material.card.MaterialCardView**>  
  
 <**com.google.android.material.card.MaterialCardView  
 android:layout\_width="140dp"  
 android:layout\_height="160dp"  
 android:layout\_marginStart="1dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginEnd="1dp"  
 android:background="@color/colorAccent"  
 app:cardCornerRadius="8dp"  
 app:cardElevation="3dp"  
 app:cardUseCompatPadding="true"**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:gravity="center"  
 android:orientation="vertical"**>  
  
 <**androidx.appcompat.widget.AppCompatImageView  
 android:layout\_width="80dp"  
 android:layout\_height="80dp"  
 app:srcCompat="@drawable/ic\_ventilator"** />  
  
 <**TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="4dp"  
 android:fontFamily="@font/quicksand\_regular"  
 android:gravity="center"  
 android:text="@string/difficulty\_breathing"  
 android:textColor="@color/black"** />  
  
 </**LinearLayout**>  
 </**com.google.android.material.card.MaterialCardView**>  
  
 <**com.google.android.material.card.MaterialCardView  
 android:layout\_width="140dp"  
 android:layout\_height="160dp"  
 android:layout\_marginStart="1dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginEnd="1dp"  
 android:background="@color/colorAccent"  
 app:cardCornerRadius="8dp"  
 app:cardElevation="3dp"  
 app:cardUseCompatPadding="true"**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:gravity="center"  
 android:orientation="vertical"**>  
  
 <**androidx.appcompat.widget.AppCompatImageView  
 android:layout\_width="80dp"  
 android:layout\_height="80dp"  
 app:srcCompat="@drawable/ic\_flu"** />  
  
 <**TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="4dp"  
 android:fontFamily="@font/quicksand\_regular"  
 android:gravity="center"  
 android:text="@string/runny\_nose"  
 android:textColor="@color/black"** />  
  
 </**LinearLayout**>  
 </**com.google.android.material.card.MaterialCardView**>  
  
 <**com.google.android.material.card.MaterialCardView  
 android:layout\_width="140dp"  
 android:layout\_height="160dp"  
 android:layout\_marginStart="1dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginEnd="1dp"  
 android:background="@color/colorAccent"  
 app:cardCornerRadius="8dp"  
 app:cardElevation="3dp"  
 app:cardUseCompatPadding="true"**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:gravity="center"  
 android:orientation="vertical"**>  
  
 <**androidx.appcompat.widget.AppCompatImageView  
 android:layout\_width="80dp"  
 android:layout\_height="80dp"  
 app:srcCompat="@drawable/ic\_sore\_throat"** />  
  
 <**TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="4dp"  
 android:fontFamily="@font/quicksand\_regular"  
 android:gravity="center"  
 android:text="@string/sore\_throat"  
 android:textColor="@color/black"** />  
  
 </**LinearLayout**>  
 </**com.google.android.material.card.MaterialCardView**>  
  
 </**LinearLayout**>  
 </**HorizontalScrollView**>  
  
 <**com.google.android.material.card.MaterialCardView  
 android:layout\_width="match\_parent"  
 android:layout\_height="240dp"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginEnd="8dp"  
 android:layout\_marginBottom="4dp"  
 android:background="@color/colorAccent"  
 app:cardCornerRadius="8dp"  
 app:cardElevation="3dp"  
 app:cardUseCompatPadding="true"**>  
  
 <**androidx.constraintlayout.widget.ConstraintLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"**>  
  
 <**androidx.appcompat.widget.AppCompatImageView  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginEnd="12dp"  
 android:adjustViewBounds="true"  
 app:layout\_constraintBottom\_toTopOf="@+id/consultButton"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toEndOf="@+id/verticalGuideLine"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:srcCompat="@drawable/ic\_medical\_mask"** />  
  
 <**androidx.constraintlayout.widget.Guideline  
 android:id="@+id/verticalGuideLine"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"  
 app:layout\_constraintGuide\_percent="0.65"** />  
  
 <**LinearLayout  
 android:layout\_width="0dp"  
 android:layout\_height="0dp"  
 android:layout\_marginStart="12dp"  
 android:layout\_marginTop="12dp"  
 android:layout\_marginEnd="12dp"  
 android:layout\_marginBottom="12dp"  
 android:orientation="vertical"  
 app:layout\_constraintBottom\_toTopOf="@id/consultButton"  
 app:layout\_constraintEnd\_toStartOf="@+id/verticalGuideLine"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"**>  
  
 <**androidx.appcompat.widget.AppCompatTextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="@string/scare\_virus"  
 android:textColor="@color/gray"  
 android:textSize="18sp"  
 app:fontFamily="@font/quicksand\_semibold"** />  
  
 <**androidx.appcompat.widget.AppCompatTextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="4dp"  
 android:text="@string/consult\_message"  
 android:textColor="@color/gray"  
 android:textSize="13sp"  
 app:fontFamily="@font/quicksand\_light"** />  
  
 </**LinearLayout**>  
  
 <**Button  
 android:id="@+id/consultButton"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="10dp"  
 android:layout\_marginEnd="10dp"  
 android:layout\_marginBottom="4dp"  
 android:fontFamily="@font/quicksand\_medium"  
 android:textColor="#ffffff"  
 android:text="@string/know\_more"  
 android:textAllCaps="false"  
 app:backgroundTint="@color/redAccent"  
 app:cornerRadius="6dp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"** />  
  
 </**androidx.constraintlayout.widget.ConstraintLayout**>  
  
  
  
 </**com.google.android.material.card.MaterialCardView**>  
  
 <**LinearLayout  
 android:id="@+id/stagesView"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="4dp"  
 android:background="?android:attr/selectableItemBackground"  
 android:clickable="true"  
 android:focusable="true"**>  
  
 <**TextView  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="12dp"  
 android:layout\_marginBottom="12dp"  
 android:layout\_weight="1"  
 android:fontFamily="@font/quicksand\_semibold"  
 android:text="@string/stagesOfCovid"  
 android:textColor="@color/black"  
 android:textSize="16sp"** />  
  
 <**androidx.appcompat.widget.AppCompatImageView  
 android:layout\_width="24dp"  
 android:layout\_height="24dp"  
 android:layout\_gravity="end|center"  
 android:layout\_marginEnd="16dp"  
 app:srcCompat="@drawable/ic\_arrow"** />  
  
 </**LinearLayout**>  
  
 <**HorizontalScrollView  
 android:layout\_marginEnd="2dp"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:scrollbars="none"**>  
  
 <**LinearLayout  
 android:layout\_margin="8dp"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"**>  
  
 <**com.google.android.material.card.MaterialCardView  
 android:id="@+id/stage1"  
 android:layout\_width="140dp"  
 android:layout\_height="160dp"  
 android:layout\_marginStart="1dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginEnd="1dp"  
 android:background="@color/colorAccent"  
 app:cardCornerRadius="8dp"  
 app:cardElevation="3dp"  
 app:cardUseCompatPadding="true"**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:gravity="center"  
 android:orientation="vertical"**>  
  
 <**RelativeLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"**>  
 <**com.google.android.material.card.MaterialCardView  
 android:layout\_width="80dp"  
 android:layout\_height="80dp"  
 app:cardCornerRadius="80dp"  
 android:elevation="0dp"  
 app:cardElevation="0dp"  
 app:cardBackgroundColor="#80CBC4"** />  
 <**ImageView  
 android:elevation="4dp"  
 android:layout\_centerInParent="true"  
 android:src="@drawable/level1"  
 android:layout\_width="35dp"  
 android:layout\_height="35dp"**>  
 </**ImageView**>  
 </**RelativeLayout**>  
  
  
  
 <**TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="4dp"  
 android:fontFamily="@font/quicksand\_regular"  
 android:gravity="center"  
 android:text="Etapa 1"  
 android:textColor="@color/black"** />  
  
 </**LinearLayout**>  
 </**com.google.android.material.card.MaterialCardView**>  
  
 <**com.google.android.material.card.MaterialCardView  
 android:id="@+id/stage2"  
 android:layout\_width="140dp"  
 android:layout\_height="160dp"  
 android:layout\_marginStart="1dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginEnd="1dp"  
 android:background="@color/colorAccent"  
 app:cardCornerRadius="8dp"  
 app:cardElevation="3dp"  
 app:cardUseCompatPadding="true"**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:gravity="center"  
 android:orientation="vertical"**>  
  
 <**RelativeLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"**>  
 <**com.google.android.material.card.MaterialCardView  
 android:layout\_width="80dp"  
 android:layout\_height="80dp"  
 app:cardCornerRadius="80dp"  
 android:elevation="0dp"  
 app:cardElevation="0dp"  
 app:cardBackgroundColor="#E6EE9C"** />  
 <**ImageView  
 android:elevation="4dp"  
 android:layout\_centerInParent="true"  
 android:src="@drawable/level2"  
 android:layout\_width="35dp"  
 android:layout\_height="35dp"**>  
 </**ImageView**>  
 </**RelativeLayout**>  
  
  
  
 <**TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="4dp"  
 android:fontFamily="@font/quicksand\_regular"  
 android:gravity="center"  
 android:text="Etapa 2"  
 android:textColor="@color/black"** />  
  
 </**LinearLayout**>  
 </**com.google.android.material.card.MaterialCardView**>  
  
 <**com.google.android.material.card.MaterialCardView  
 android:id="@+id/stage3"  
 android:layout\_width="140dp"  
 android:layout\_height="160dp"  
 android:layout\_marginStart="1dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginEnd="1dp"  
 android:background="@color/colorAccent"  
 app:cardCornerRadius="8dp"  
 app:cardElevation="3dp"  
 app:cardUseCompatPadding="true"**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:gravity="center"  
 android:orientation="vertical"**>  
  
 <**RelativeLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"**>  
 <**com.google.android.material.card.MaterialCardView  
 android:layout\_width="80dp"  
 android:layout\_height="80dp"  
 app:cardCornerRadius="80dp"  
 android:elevation="0dp"  
 app:cardElevation="0dp"  
 app:cardBackgroundColor="#FFAB91"** />  
 <**ImageView  
 android:layout\_centerInParent="true"  
 android:src="@drawable/level3"  
 android:layout\_width="35dp"  
 android:layout\_height="35dp"**>  
 </**ImageView**>  
 </**RelativeLayout**>  
  
  
  
 <**TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="4dp"  
 android:fontFamily="@font/quicksand\_regular"  
 android:gravity="center"  
 android:text="Etapa 3"  
 android:textColor="@color/black"** />  
  
 </**LinearLayout**>  
 </**com.google.android.material.card.MaterialCardView**>  
  
 <**com.google.android.material.card.MaterialCardView  
 android:id="@+id/stage4"  
 android:layout\_width="140dp"  
 android:layout\_height="160dp"  
 android:layout\_marginStart="1dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginEnd="1dp"  
 android:background="@color/colorAccent"  
 app:cardCornerRadius="8dp"  
 app:cardElevation="3dp"  
 app:cardUseCompatPadding="true"**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:gravity="center"  
 android:orientation="vertical"**>  
  
 <**RelativeLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"**>  
 <**com.google.android.material.card.MaterialCardView  
 android:layout\_width="80dp"  
 android:layout\_height="80dp"  
 app:cardCornerRadius="80dp"  
 android:elevation="0dp"  
 app:cardElevation="0dp"  
 app:cardBackgroundColor="#90CAF9"** />  
 <**ImageView  
 android:elevation="4dp"  
 android:layout\_centerInParent="true"  
 android:src="@drawable/level4"  
 android:layout\_width="35dp"  
 android:layout\_height="35dp"**>  
 </**ImageView**>  
 </**RelativeLayout**>  
  
  
  
 <**TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="4dp"  
 android:fontFamily="@font/quicksand\_regular"  
 android:gravity="center"  
 android:text="Etapa 4"  
 android:textColor="@color/black"** />  
  
 </**LinearLayout**>  
 </**com.google.android.material.card.MaterialCardView**>  
  
  
 </**LinearLayout**>  
 </**HorizontalScrollView**>  
  
 </**LinearLayout**>  
  
</**androidx.core.widget.NestedScrollView**>

* Lauout/home\_layout.xml

*<?***xml version="1.0" encoding="utf-8"***?>*<**androidx.coordinatorlayout.widget.CoordinatorLayout  
 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"**>  
  
 <**fragment  
 android:id="@+id/map"  
 android:layout\_marginBottom="230dp"  
 android:name="com.google.android.gms.maps.SupportMapFragment"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".Activity.MenuActivity"** />  
  
 <**com.google.android.material.card.MaterialCardView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="12dp"  
 android:layout\_marginTop="28dp"  
 android:layout\_marginEnd="12dp"  
 app:cardCornerRadius="6dp"  
 app:cardElevation="2dp"  
 app:cardUseCompatPadding="true"**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="?attr/actionBarSize"**>  
  
 <**androidx.appcompat.widget.AppCompatImageView  
 android:id="@+id/menuButton"  
 android:layout\_width="?attr/actionBarSize"  
 android:layout\_height="match\_parent"  
 android:padding="18dp"  
 app:srcCompat="@drawable/ic\_open\_menu"** />  
  
 <**TextView  
 android:id="@+id/searchText"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:layout\_marginEnd="16dp"  
 android:background="@null"  
 android:fontFamily="@font/quicksand\_light"  
 android:gravity="center|start"  
 android:text="@string/search\_hint"  
 android:textColor="?android:textColorHint"  
 android:textSize="16sp"** />  
  
 </**LinearLayout**>  
  
 </**com.google.android.material.card.MaterialCardView**>  
  
</**androidx.coordinatorlayout.widget.CoordinatorLayout**>

* menu/activity\_home\_rrawer.xml

*<?***xml version="1.0" encoding="utf-8"***?>*<**menu xmlns:android="http://schemas.android.com/apk/res/android"**>  
  
 <**item android:title="Principal"**>  
 <**menu**>  
 <**item  
 android:id="@+id/nav\_global\_cases"  
 android:icon="@drawable/ic\_global"  
 android:title="@string/menu\_global\_cases"** />  
 <**item  
 android:id="@+id/nav\_sintomas"  
 android:icon="@drawable/ic\_virus"  
 android:title="@string/symptoms"** />  
 <**item  
 android:id="@+id/nav\_precauciones"  
 android:icon="@drawable/ic\_virus"  
 android:title="@string/Precauciones"** />  
 <**item  
 android:id="@+id/nav\_guia\_emergencia"  
 android:icon="@drawable/ic\_diagnostico"  
 android:title="@string/GuiaEmergencia"** />  
 <**item  
 android:id="@+id/nav\_diagnostico"  
 android:icon="@drawable/ic\_diagnostico"  
 android:title="@string/diagnostico"** />  
 <**item  
 android:id="@+id/nav\_reportar\_caso"  
 android:icon="@drawable/ic\_diagnostico"  
 android:title="@string/reportar\_caso"** />  
 <**item  
 android:id="@+id/nav\_donacion"  
 android:icon="@drawable/ic\_diagnostico"  
 android:title="@string/donaciones"** />  
 </**menu**>  
 </**item**>  
</**menu**>