

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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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);
            }
        });

        sintomasView.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="Etapas 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="Etapas 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>
    </RelativeLayout>
</com.google.android.material.card.MaterialCardView>

```

```

        <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="Etapas 4"
        android:textColor="@color/black" />

    </LinearLayout>
</com.google.android.material.card.MaterialCardView>

</LinearLayout>
</HorizontalScrollView>

</LinearLayout>

</androidx.core.widget.NestedScrollView>

```

- Layout/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_drawer.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>

```