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Facultad de Ingeniería En Sistemas y Ciencias de la Computación.

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Curso: Ingeniería del Software.
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Tarea: MANUAL TÉCNICO

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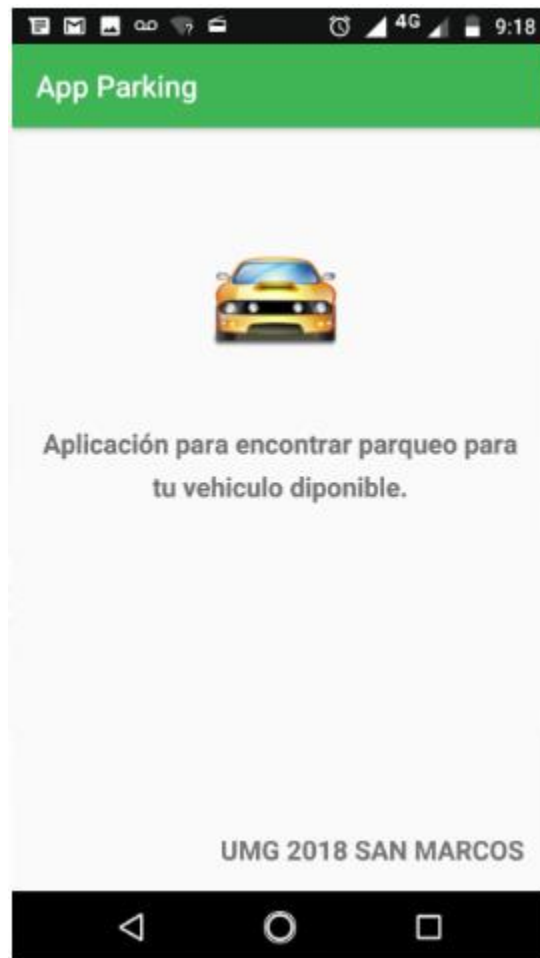
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25 de Mayo de 2018

MANUAL TECNICO

CODIGO DE LA APLICACIÓN

PANTALLA DE BIENVENIDA



```
package com.emalug.apptaxisv2;

import android.content.Intent;
import android.os.Bundle;
import android.support.v7.app.AppCompatActivity;

import com.emalug.apptaxisv2.Activitis.LoginActivity;

import java.util.Timer;
import java.util.TimerTask;

//SPLASH TEMPORAL DE BIENVENIDA PARA LUEGO PASAR AL LOGIN
public class SplashActivity extends AppCompatActivity {
    static final long SPLASH_SCREEN_DELAY = 3000 ;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_splash);

        TimerTask task = new TimerTask() {
            @Override
            public void run() {
                Intent intent = new Intent(SplashActivity.this,
                LoginActivity.class);
                startActivity(intent);
            }
        };
        task.schedule(0, 3000);
    }
}
```

```

        finish();
    }

};

Timer timer = new Timer();
timer.schedule(task, SPLASH_SCREEN_DELAY);
}
}

```

LOGIN

App Parking

Usuario:

Password

INGRESAR REGISTRAR CANCELAR

Ha dejado campos vacios

```

package com.emalug.apptaxisv2.Activitis;

import android.content.Intent;
import android.os.Bundle;
import android.support.v7.app.AppCompatActivity;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
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.JsonObjectRequest;
import com.android.volley.toolbox.Volley;

```

```

import com.emalug.apptaxisv2.Constantes.Constantes;
import com.emalug.apptaxisv2.R;

import org.json.JSONArray;
import org.json.JSONException;
import org.json.JSONObject;

public class LoginActivity extends AppCompatActivity implements
View.OnClickListener {
    Button autenticar , registrar , cancelar ;
    RequestQueue requestQueue;
    EditText Usuario , Clave;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_login);

        autenticar = (Button) findViewById(R.id.btn_login);
        registrar = (Button) findViewById(R.id.btn_registrar);
        cancelar = (Button) findViewById(R.id.btn_cancelar);
        Usuario = (EditText) findViewById(R.id.Usuario);
        Clave = (EditText) findViewById(R.id.Clave);

        //ESCUCHAS PARA LOS EVENTOS DE LOS BOTONES DE LA ACTIVITY
        autenticar.setOnClickListener(this);
        registrar.setOnClickListener(this);
        cancelar.setOnClickListener(this);

        //ANDROID VOLLEY
        requestQueue = Volley.newRequestQueue(this);
    }

    public void Login_User() {
        String user = Usuario.getText().toString().trim();
        String Pass = Clave.getText().toString().trim();

        if(user.equals("") || Pass.equals("")) {
            Toast.makeText(this, "Ha dejado campos vacios",
                Toast.LENGTH_LONG).show();
        }else{

            Toast.makeText(this, Constantes.Url_base_get_final +
                "?Username="+user+"&Password="+Pass+"&op=ValidarUsuario",
                Toast.LENGTH_LONG).show();

            JSONObjectRequest jsonObjectRequest = new
            JSONObjectRequest(Request.Method.GET, Constantes.Url_base_get_final +
                "?Username="+user+"&Password="+Pass+"&op=ValidarUsuario",
                new Response.Listener<JSONObject>() {

                    @Override
                    public void onResponse(JSONObject response) {
                        try {
                            JSONArray Usuario =
response.getJSONArray("User");

                            JSONObject datosUser = Usuario.getJSONObject(0);
                            String strError = datosUser.getString("strError");

                            if(strError.equals("-1")){
                                Toast.makeText(LoginActivity.this, "No se

```

```

    encontro el usuario" , Toast.LENGTH_LONG).show();
    }else{
        String user = datosUer.getString("Username");
        String id = datosUer.getString("Id");
        Toast.makeText(LoginActivity.this,
"Bienvenido " + user , Toast.LENGTH_LONG).show();
        Intent intent = new
Intent(LoginActivity.this, MenuActivity.class);
        startActivity(intent);
        finish();
    }

    } catch (JSONException e) {
        e.printStackTrace();
    }
    },
    new Response.ErrorListener(){

        @Override
        public void onErrorResponse(VolleyError error) {

            Toast.makeText(LoginActivity.this, (CharSequence)
error, Toast.LENGTH_LONG).show();
        }
    }

    );
    requestQueue.add(jsonObjectRequest);
}

}

public void onClick(View v) {
    switch (v.getId()) {

        case R.id.btn_login:

            Login_User();
            break;
        case R.id.btn_registrar:

            Intent intent = new Intent(LoginActivity.this,
RegistroUsuariosActivity.class);
            startActivity(intent);
            finish();

            break;
        case R.id.btn_cancelar:

            finish();

            break;

    }

}

}

```

REGISTRO DE USUARIOS



```
package com.emalug.apptaxisv2.Activitis;

import android.content.Intent;
import android.os.Bundle;
import android.support.v7.app.AppCompatActivity;
import android.view.View;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.AutoCompleteTextView;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

import com.android.volley.AuthFailureError;
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.emalug.apptaxisv2.Constantes.Constantes;
import com.emalug.apptaxisv2.R;

import java.util.ArrayList;
import java.util.HashMap;
import java.util.Map;

public class RegistroUsuariosActivity extends AppCompatActivity implements
View.OnClickListener {
    AutoCompleteTextView Autocomplete;
    Button Guardar , Cancelar;
    ArrayList<String> Lista;
    ArrayAdapter adaptador;
    private String [] tipos = new String[] {"Usuario" , "Dueño De Parqueo" };
```

```

EditText usuarionuevo , password;

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_registro_usuarios);
    Autocomplete = (AutoCompleteTextView) findViewById(R.id.Autocomplete);
    ArrayAdapter<String> adapter = new ArrayAdapter<String>(this,
android.R.layout.simple_list_item_1, tipos );
    Autocomplete.setAdapter(adapter);

    Guardar = (Button) findViewById(R.id.btn_Guardar);
    Cancelar = (Button) findViewById (R.id.btn_cancel);
    Guardar.setOnClickListener(this);
    Cancelar.setOnClickListener(this);

    usuarionuevo = (EditText) findViewById(R.id.txtuser);
    password = (EditText) findViewById(R.id.txtpass);

}

public void CrearUsuario(){
    final String user = usuarionuevo.getText().toString().trim();
    final String Pass = password.getText().toString().trim();
    String tipoUsuario = Autocomplete.getText().toString();
    String tipo = "";

    if( tipoUsuario.equals("Usuario") || tipoUsuario.equals("Dueño De
Parqueo") ){
        if( tipoUsuario.equals("Usuario")){
            tipo = "1";
        }else{
            tipo = "2";
        }

        final String TipoUserFinal = tipo;

        StringRequest stringRequest = new StringRequest(Request.Method.POST,
Constantes.Url_base_post_final, new Response.Listener<String>() {
            @Override
            public void onResponse(String response) {
                if(response.equals(0)){
                    Toast.makeText(getApplicationContext(), "Problemas con el
api no se pudo crear el usuario",
                        Toast.LENGTH_SHORT).show();
                }
                else{
                    Toast.makeText(getApplicationContext(), "Usuario Creado
Satisfactoriamente", Toast.LENGTH_SHORT).show();
                    if( TipoUserFinal.equals("1")){

                        Intent intent = new
Intent(RegistroUsuariosActivity.this, MenuActivity.class);
                        startActivity(intent);
                        finish();

                    }else{
                        Intent intent = new
Intent(RegistroUsuariosActivity.this , RegistroParqueosActivity.class);

```



```

        startActivity(intent);
        finish();
    }

}

}

}, new Response.ErrorListener() {
    @Override
    public void onErrorResponse(VolleyError error) {
        Toast.makeText(getApplicationContext(), error.toString(),
Toast.LENGTH_SHORT).show();
    }
}){
    @Override
    protected Map<String, String> getParams() throws AuthFailureError
{
    Map<String, String> parametro = new HashMap<String,
String>();

    parametro.put(Constants.Username , user);
    parametro.put(Constants.Password , Pass);
    parametro.put(Constants.Tipo , TipoUserFinal);
    parametro.put(Constants.op , "RegistrarUsuario");

    return parametro;
}
};

//para crear las peticiones
RequestQueue requestQueue =
Volley.newRequestQueue(getApplicationContext());
//agregar al volley el obeto stringRequest
requestQueue.add(stringRequest);

}else{
    Toast.makeText(getApplicationContext(), "Tipo de usuario no valido
ingrese Usuario o Dueño De Parqueo ",
        Toast.LENGTH_SHORT).show();
}

}

public void onClick(View v) {
    switch (v.getId()) {

        case R.id.btn_Guardar:

            CrearUsuario();
            break;
        case R.id.btn_cancel:
            Intent intent = new Intent(RegistroUsuariosActivity.this ,
LoginActivity.class);
            startActivity(intent);
            finish();
    }
}

```

```

        break;
    }
}
}

```

REGISTRO DE PARQUEOS

```

package com.emalug.apptaxisv2.Activitis;

import android.os.Bundle;
import android.support.v7.app.AppCompatActivity;
import android.widget.Spinner;
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.emalug.apptaxisv2.Constantes.Constantes;
import com.emalug.apptaxisv2.R;

import org.json.JSONArray;
import org.json.JSONException;
import org.json.JSONObject;

import java.util.ArrayList;

```

```

public class RegistroParqueosActivity extends AppCompatActivity {
    Spinner spinner;
    RequestQueue requestQueue;

    ArrayList<String> Paises;

    //spinner_pais
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_registro_parqueos);

        spinner = (Spinner) findViewById(R.id.spinner_pais) ;
        java.util.ArrayList<String> strings = new java.util.ArrayList<>();
        GetPaises();

    }

    public void GetPaises(){
        StringRequest stringRequest = new StringRequest (Request.Method.GET,
        Constantes.Url_base_get_final + "?op=GetPais",
        new Response.Listener<String>() {

            @Override
            public void onResponse(String response) {
                try {

                    Toast.makeText(RegistroParqueosActivity.this,Constantes.Url_base_get_final +
                    "?op=GetPais", Toast.LENGTH_LONG).show();
                    JSONObject jsonObject=new JSONObject(response);
                    JSONArray
                    jsonArray=jsonObject.getJSONArray("paises");

                    Toast.makeText(RegistroParqueosActivity.this,response, Toast.LENGTH_LONG).show();

                } catch (JSONException e) {
                    e.printStackTrace();
                }
            },
            new Response.ErrorListener() {

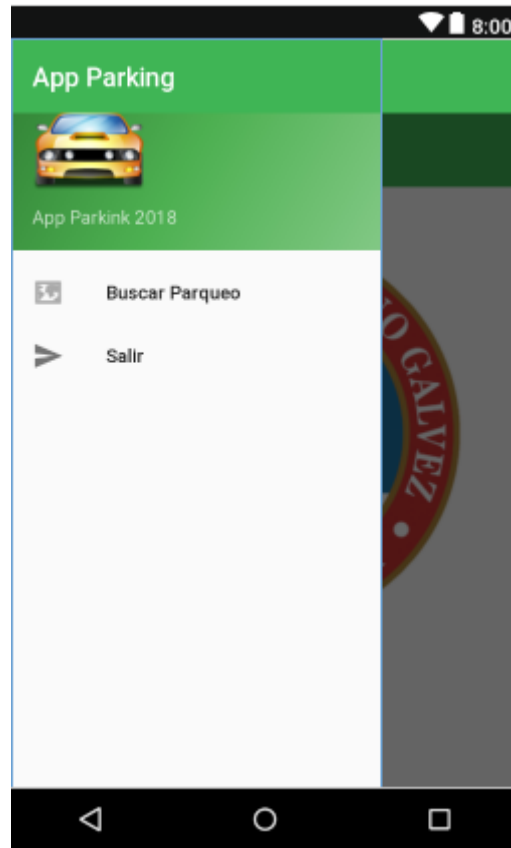
                @Override
                public void onErrorResponse(VolleyError error) {

                    Toast.makeText(RegistroParqueosActivity.this,
                    (CharSequence) error, Toast.LENGTH_LONG).show();
                }
            }

        });
        requestQueue.add(stringRequest);
    }
}

```

MENÚ DE PARQUEOS DISPONIBLES



```
package com.emalug.apptaxisv2.Activitis;

import android.content.Intent;
import android.os.Bundle;
import android.support.design.widget.NavigationView;
import android.support.v4.view.GravityCompat;
import android.support.v4.widget.DrawerLayout;
import android.support.v7.app.ActionBarDrawerToggle;
import android.support.v7.app.AppCompatActivity;
import android.support.v7.widget.Toolbar;
import android.view.Menu;
import android.view.MenuItem;

import com.emalug.apptaxisv2.R;

public class MenuActivity extends AppCompatActivity
    implements NavigationView.OnNavigationItemSelectedListener {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_menu);
        Toolbar toolbar = (Toolbar) findViewById(R.id.toolbar);
        setSupportActionBar(toolbar);

        DrawerLayout drawer = (DrawerLayout) findViewById(R.id.drawer_layout);
        ActionBarDrawerToggle toggle = new ActionBarDrawerToggle(
            this, drawer, toolbar, R.string.navigation_drawer_open,
```

```

R.string.navigation_drawer_close);
    drawer.setDrawerListener(toggle);
    toggle.syncState();

    NavigationView navigationView = (NavigationView)
findViewById(R.id.nav_view);
    navigationView.setNavigationItemSelectedListener(this);
}

@Override
public void onBackPressed() {
    DrawerLayout drawer = (DrawerLayout) findViewById(R.id.drawer_layout);
    if (drawer.isDrawerOpen(GravityCompat.START)) {
        drawer.closeDrawer(GravityCompat.START);
    } else {
        super.onBackPressed();
    }
}

@Override
public boolean onCreateOptionsMenu(Menu menu) {
    // Inflate the menu; this adds items to the action bar if it is present.
    getMenuInflater().inflate(R.menu.menu, menu);
    return true;
}

@Override
public boolean onOptionsItemSelected(MenuItem item) {
    // Handle action bar item clicks here. The action bar will
    // automatically handle clicks on the Home/Up button, so long
    // as you specify a parent activity in AndroidManifest.xml.
    int id = item.getItemId();

    //noinspection SimplifiableIfStatement
    if (id == R.id.action_settings) {
        return true;
    }

    return super.onOptionsItemSelected(item);
}

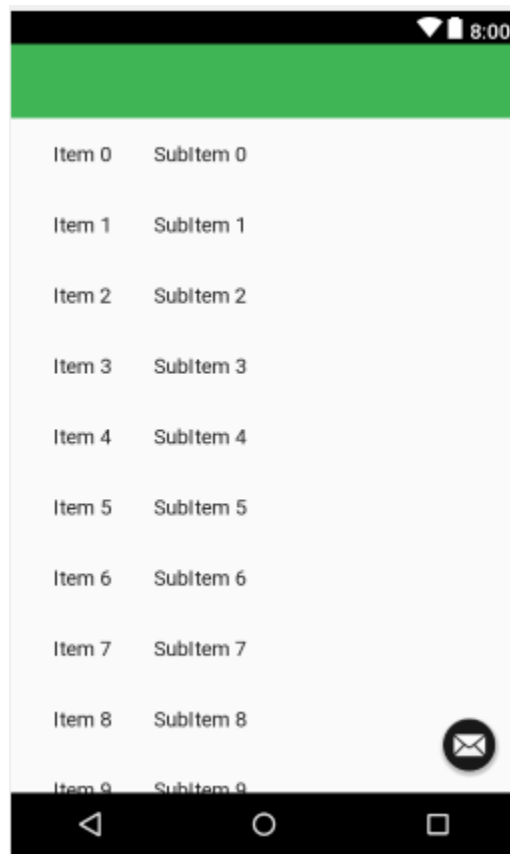
@SuppressWarnings("StatementWithEmptyBody")
@Override
public boolean onNavigationItemSelected(MenuItem item) {
    // Handle navigation view item clicks here.
    int id = item.getItemId();

    if (id == R.id.nav_camera) {
        Intent intent = new Intent(MenuActivity.this, MapsActivity.class);
        startActivity(intent);
    } else if (id == R.id.Registrar) {
        finish();
    }

    DrawerLayout drawer = (DrawerLayout) findViewById(R.id.drawer_layout);
    drawer.closeDrawer(GravityCompat.START);
    return true;
}
}

```

LISTADO DE PARQUEOS DISPONIBLES



//NO FINALIZADO

```
package com.emalug.apptaxisv2.Activitis;

import android.content.Context;
import android.content.Intent;
import android.os.Bundle;
import android.support.annotation.NonNull;
import android.support.v7.app.AppCompatActivity;
import android.support.v7.widget.RecyclerView;
import android.support.v7.widget.Toolbar;
import android.support.design.widget.FloatingActionButton;
import android.support.design.widget.Snackbar;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.TextView;

import com.emalug.apptaxisv2.R;

import com.emalug.apptaxisv2.Activitis.dummy.DummyContent;

import java.util.List;

/**
 * An activity representing a list of Items. This activity
 * has different presentations for handset and tablet-size devices. On
 * handsets, the activity presents a list of items, which when touched,
 * lead to a {@link ItemDetailActivity} representing
 * item details. On tablets, the activity presents the list of items and
 * item details side-by-side using two vertical panes.
 */
```

```

public class ItemListActivity extends AppCompatActivity {

    /**
     * Whether or not the activity is in two-pane mode, i.e. running on a tablet
     * device.
     */
    private boolean mTwoPane;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_item_list);

        Toolbar toolbar = (Toolbar) findViewById(R.id.toolbar);
        setSupportActionBar(toolbar);
        toolbar.setTitle(getTitle());

        FloatingActionButton fab = (FloatingActionButton) findViewById(R.id.fab);
        fab.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Snackbar.make(view, "Replace with your own action",
                    Snackbar.LENGTH_LONG)
                    .setAction("Action", null).show();
            }
        });

        View recyclerView = findViewById(R.id.item_list);
        assert recyclerView != null;
        setupRecyclerView((RecyclerView) recyclerView);

        if (findViewById(R.id.item_detail_container) != null) {
            // The detail container view will be present only in the
            // large-screen layouts (res/values-w900dp).
            // If this view is present, then the
            // activity should be in two-pane mode.
            mTwoPane = true;
        }
    }

    private void setupRecyclerView(@NonNull RecyclerView recyclerView) {
        recyclerView.setAdapter(new
        SimpleItemRecyclerViewAdapter(DummyContent.ITEMS));
    }

    public class SimpleItemRecyclerViewAdapter
        extends
        RecyclerView.Adapter<SimpleItemRecyclerViewAdapter.ViewHolder> {

        private final List<DummyContent.DummyItem> mValues;

        public SimpleItemRecyclerViewAdapter(List<DummyContent.DummyItem> items)
        {
            mValues = items;
        }

        @Override
        public ViewHolder onCreateViewHolder(ViewGroup parent, int viewType) {
            View view = LayoutInflater.from(parent.getContext())
                .inflate(R.layout.item_list_content, parent, false);
            return new ViewHolder(view);
        }
    }
}

```

```

@Override
public void onBindViewHolder(final ViewHolder holder, int position) {
    holder.mItem = mValues.get(position);
    holder.mIdView.setText(mValues.get(position).id);
    holder.mContentView.setText(mValues.get(position).content);

    holder.mView.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            if (mTwoPane) {
                Bundle arguments = new Bundle();
                arguments.putString(ItemDetailFragment.ARG_ITEM_ID,
holder.mItem.id);

                ItemDetailFragment fragment = new ItemDetailFragment();
                fragment.setArguments(arguments);
                getSupportFragmentManager().beginTransaction()
                    .replace(R.id.item_detail_container, fragment)
                    .commit();
            } else {
                Context context = v.getContext();
                Intent intent = new Intent(context,
ItemDetailActivity.class);
                intent.putExtra(ItemDetailFragment.ARG_ITEM_ID,
holder.mItem.id);

                context.startActivity(intent);
            }
        }
    });
}

@Override
public int getItemCount() {
    return mValues.size();
}

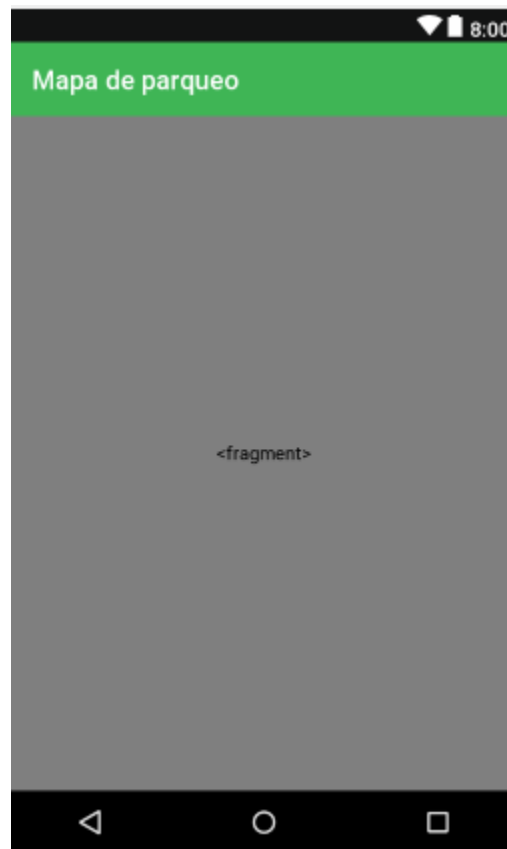
public class ViewHolder extends RecyclerView.ViewHolder {
    public final View mView;
    public final TextView mIdView;
    public final TextView mContentView;
    public DummyContent.DummyItem mItem;

    public ViewHolder(View view) {
        super(view);
        mView = view;
        mIdView = (TextView) view.findViewById(R.id.id);
        mContentView = (TextView) view.findViewById(R.id.content);
    }

    @Override
    public String toString() {
        return super.toString() + " '" + mContentView.getText() + "'";
    }
}
}
}

```

MAPA DEL PARQUEO



//NO FINALIZADO

```
package com.emalug.apptaxisv2.Activitis;

import android.os.Bundle;
import android.support.v4.app.FragmentActivity;
import android.widget.Toast;

import com.emalug.apptaxisv2.R;
import com.google.android.gms.common.GooglePlayServicesUtil;
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.LatLng;
import com.google.android.gms.maps.model.MarkerOptions;

public class MapsActivity extends FragmentActivity implements OnMapReadyCallback
{

    private GoogleMap mMap;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_maps);

        int status =
GooglePlayServicesUtil.isGooglePlayServicesAvailable(getApplicationContext());
        Toast.makeText(MapsActivity.this, status , Toast.LENGTH_LONG).show();

        // Obtain the SupportMapFragment and get notified when the map is ready
```

to be used.

```
SupportMapFragment mapFragment = (SupportMapFragment)
getSupportFragmentManager()
    .findFragmentById(R.id.map);
mapFragment.getMapAsync(this);

}

@Override
public void onMapReady(GoogleMap googleMap) {
    mMap = googleMap;
    mMap.getUiSettings().setZoomControlsEnabled(true);

    // Add a marker in Sydney and move the camera
    LatLng sydney = new LatLng(-34, 151);
    mMap.addMarker(new MarkerOptions().position(sydney).title("Marker in
Sydney"));
    mMap.moveCamera(CameraUpdateFactory.newLatLng(sydney));
}
}
```