

Tarea 03

Repositorio: https://github.com/marianasrv/T03_Moviles

Archivos

Recursos

Activity_main

```
<?xml version="1.0" encoding="utf-8"?>
<android.support.design.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:id="@+id/main_content"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:fitsSystemWindows="true"
    tools:context="com.example.mari_.itesostore.ActivityMain">

    <android.support.design.widget.AppBarLayout
        android:id="@+id/appbar"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:paddingTop="@dimen/appbar_padding_top"
        android:theme="@style/AppTheme.AppBarOverlay">

        <android.support.v7.widget.Toolbar
            android:id="@+id/toolbar"
            android:layout_width="match_parent"
            android:layout_height="?attr/actionBarSize"
            android:layout_weight="1"
            android:background="?attr/colorPrimary"
            app:layout_scrollFlags="scroll|enterAlways"
            app:popupTheme="@style/AppTheme.PopupOverlay"
            app:title="@string/app_name">

            </android.support.v7.widget.Toolbar>
            <android.support.design.widget.TabLayout
                android:id="@+id/tabs"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                app:tabGravity="fill"
                app:tabMode="fixed"/>
            </android.support.design.widget.AppBarLayout>

        <android.support.v4.view.ViewPager
            android:id="@+id/container"
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            app:layout_behavior="@string/appbar_scrolling_view_behavior"/>

        <android.support.design.widget.FloatingActionButton
            android:id="@+id/fab"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_gravity="end|bottom"
            android:layout_margin="@dimen/fab_margin"
            app:srcCompat="@android:drawable/ic_dialog_email"/>
```

```
</android.support.design.widget.CoordinatorLayout>
```

Fragment_technology

```
<?xml version="1.0" encoding="utf-8"?>
<android.support.v7.widget.RecyclerView
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/fragment_technology_recycler_view"
    android:scrollbars="vertical"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".FragmentTechnology"
    android:scrollbarStyle="outsideOverlay">

</android.support.v7.widget.RecyclerView>
```

Fragment_home

```
<?xml version="1.0" encoding="utf-8"?>
<FrameLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".FragmentHome">

    <!-- TODO: Update blank fragment layout -->
    <TextView
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:text="@string/hello_blank_fragment" />

</FrameLayout>
```

Fragment_electronics

```
<?xml version="1.0" encoding="utf-8"?>
<FrameLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".FragmentElectronics">

    <!-- TODO: Update blank fragment layout -->
    <TextView
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:text="@string/hello_blank_fragment" />

</FrameLayout>
```

Código Java

ItemProduct

```
package com.example.mari_.itesostore.beans;

public class ItemProduct {
    private int image;
    private String title;
    private String store;
    private String location;
    private String phone;
    private String description;

    public ItemProduct() {
        setImage(0);
        setTitle("");
        setStore("");
        setLocation("");
        setPhone("");
        setDescription("");
    }

    public ItemProduct(int image, String title, String store, String location, String
phone, String description) {
        this.image = image;
        this.title = title;
        this.store = store;
        this.location = location;
        this.phone = phone;
        this.description = description;
    }

    public int getImage() {
        return image;
    }

    public void setImage(int image) {
        this.image = image;
    }

    public String getTitle() {
        return title;
    }

    public void setTitle(String title) {
        this.title = title;
    }

    public String getStore() {
        return store;
    }

    public void setStore(String store) {
        this.store = store;
    }

    public String getLocation() {
        return location;
    }

    public void setLocation(String location) {
        this.location = location;
    }

    public String getPhone() {
        return phone;
    }
}
```

```

    }

    public void setPhone(String phone) {
        this.phone = phone;
    }

    public String getDescription() {
        return description;
    }

    public void setDescription(String description) {
        this.description = description;
    }

    @Override
    public String toString() {
        return "ItemProduct{" +
            "image=" + image +
            ", title=" + title + '\'' +
            ", store=" + store + '\'' +
            ", location=" + location + '\'' +
            ", phone=" + phone + '\'' +
            ", description=" + description + '\'' +
            '}';
    }
}

```

AdapterProduct

```

package com.example.mari_.itesostore;

import android.content.Context;
import android.content.Intent;
import android.graphics.Bitmap;
import android.graphics.drawable.BitmapDrawable;
import android.net.Uri;
import android.support.annotation.NonNull;
import android.support.v7.widget.RecyclerView;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.Button;
import android.widget.ImageView;
import android.widget.RelativeLayout;
import android.widget.TextView;
import android.widget.Toast;

import com.example.mari_.itesostore.beans.ItemProduct;

import java.util.ArrayList;

public class AdapterProduct extends RecyclerView.Adapter<AdapterProduct.ViewHolder> {
    private ArrayList<ItemProduct> products;
    private Context context;

    public AdapterProduct(Context context, ArrayList<ItemProduct> products) {
        this.products = products;
        this.context = context;
    }

    @NonNull
    @Override

```

```
public ViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {
    View v = LayoutInflater.from(parent.getContext())
        .inflate(R.layout.item_product, parent, false);
    ViewHolder viewHolder = new ViewHolder(v);
    return viewHolder;
}

public static class ViewHolder extends RecyclerView.ViewHolder{
    public Button mDetail;
    public ImageView imageView;
    public TextView title;
    public TextView productStore;
    public TextView productLocation;
    public TextView productPhone;
    public ImageView productThumbnail;
    public RelativeLayout mEventLayout;

    public ViewHolder(View v){
        super(v);
        imageView = v.findViewById(R.id.item_product_image);
        title = v.findViewById(R.id.item_product_title);
        productStore = v.findViewById(R.id.item_product_store);
        productLocation = v.findViewById(R.id.item_product_location);
        productPhone = v.findViewById(R.id.item_product_phone);
        mEventLayout = v.findViewById(R.id.item_product_layout);
        mDetail = v.findViewById(R.id.item_product_detail);
        productThumbnail = v.findViewById(R.id.item_product_thumbnail);
    }
}

@Override
public void onBindViewHolder(@NonNull ViewHolder holder, final int position) {
    holder.title.setText(products.get(position).getTitle());
    switch (products.get(position).getImage()) {
        case 0:
            holder.imageView.setImageResource(R.drawable.mac); break;
        case 1:
            holder.imageView.setImageResource(R.drawable.alienware); break;
    }
    holder.productStore.setText(products.get(position).getStore());
    holder.productLocation.setText(products.get(position).getLocation());
    holder.productPhone.setText(products.get(position).getPhone());
    // Bitmap bitmap =
    ((BitmapDrawable)holder.productThumbnail.getDrawable()).getBitmap();
    // holder.productThumbnail.setImageBitmap(Tool.getRoundedBitmap(bitmap));

    holder.mDetail.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            Toast.makeText(context, products.get(position).toString(),
                Toast.LENGTH_LONG).show();
        }
    });

    holder.productPhone.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            Intent intent = new Intent(Intent.ACTION_DIAL,
                Uri.parse("tel:" + products.get(position).getPhone()));
            context.startActivity(intent);
        }
    });
}
```

```
    }

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

ActivityMain

```
package com.example.mari_.itesostore;

import android.support.design.widget.FloatingActionButton;
import android.support.design.widget.Snackbar;
import android.support.design.widget.TabLayout;
import android.support.v7.app.AppCompatActivity;
import android.support.v7.widget.Toolbar;

import android.support.v4.app.Fragment;
import android.support.v4.app.FragmentManager;
import android.support.v4.app.FragmentPagerAdapter;
import android.support.v4.view.ViewPager;
import android.os.Bundle;
import android.view.LayoutInflater;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.view.ViewGroup;

import android.widget.TextView;

import com.example.mari_.itesostore.tools.Commons;

public class ActivityMain extends AppCompatActivity {

    /**
     * The {@link android.support.v4.view.PagerAdapter} that will provide
     * fragments for each of the sections. We use a
     * {@link FragmentPagerAdapter} derivative, which will keep every
     * loaded fragment in memory. If this becomes too memory intensive, it
     * may be best to switch to a
     * {@link android.support.v4.app.FragmentStatePagerAdapter}.
     */
    private SectionsPagerAdapter mSectionsPagerAdapter;

    /**
     * The {@link ViewPager} that will host the section contents.
     */
    private ViewPager mViewPager;

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

        Toolbar toolbar = (Toolbar) findViewById(R.id.toolbar);
        TabLayout tabLayout = (TabLayout) findViewById(R.id.tabs);

        setSupportActionBar(toolbar);
    }
}
```

```

// Create the adapter that will return a fragment for each of the three
// primary sections of the activity.
mSectionsPagerAdapter = new SectionsPagerAdapter(getSupportFragmentManager());

// Set up the ViewPager with the sections adapter.
mViewPager = (ViewPager) findViewById(R.id.container);
mViewPager.setAdapter(mSectionsPagerAdapter);
tabLayout.setupWithViewPager(mViewPager);
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();
    }
});
}

@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_activity_main, 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);
}

/**
 * A {@link FragmentPagerAdapter} that returns a fragment corresponding to
 * one of the sections/tabs/pages.
 */
public class SectionsPagerAdapter extends FragmentPagerAdapter {

    public SectionsPagerAdapter(FragmentManager fm) {
        super(fm);
    }

    @Override
    public Fragment getItem(int position) {
        // getItem is called to instantiate the fragment for the given page.
        // Return a PlaceholderFragment (defined as a static inner class below).
        switch (position) {
            case Commons.IDX_SECTION1:
                return new FragmentTechnology();
            case Commons.IDX_SECTION2:
                return new FragmentHome();
            case Commons.IDX_SECTION3:

```

```

        return new FragmentElectronics();
    default:
        return new FragmentTechnology();
    }
}

@Override
public int getCount() {
    // Show 3 total pages.
    return Commons.PAGES;
}

@Override
public CharSequence getPageTitle(int position) {
    switch (position){
        case Commons.IDX_SECTION1: return
getString(R.string.section_1).toUpperCase();
        case Commons.IDX_SECTION2: return
getString(R.string.section_2).toUpperCase();
        case Commons.IDX_SECTION3: return
getString(R.string.section_3).toUpperCase();
    }
    return null;
}

}
}

```

FragmentTechnology

```

package com.example.mari_.itesostore;

import android.os.Bundle;
import android.support.v4.app.Fragment;
import android.support.v7.widget.LinearLayoutManager;
import android.support.v7.widget.RecyclerView;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;

import com.example.mari_.itesostore.beans.ItemProduct;

import java.util.ArrayList;

/**
 * A simple {@link Fragment} subclass.
 */
public class FragmentTechnology extends Fragment {

    private RecyclerView.Adapter mAdapter;
    private RecyclerView.LayoutManager mLayoutManager;

    public FragmentTechnology() {
        // Required empty public constructor
    }

    @Override

```



```
public View onCreateView(LayoutInflater inflater, ViewGroup container,
                        Bundle savedInstanceState) {
    // Inflate the layout for this fragment
    View view = inflater.inflate(R.layout.fragment_technology, container, false);
    RecyclerView recyclerView =
view.findViewById(R.id.fragment_technology_recycler_view);

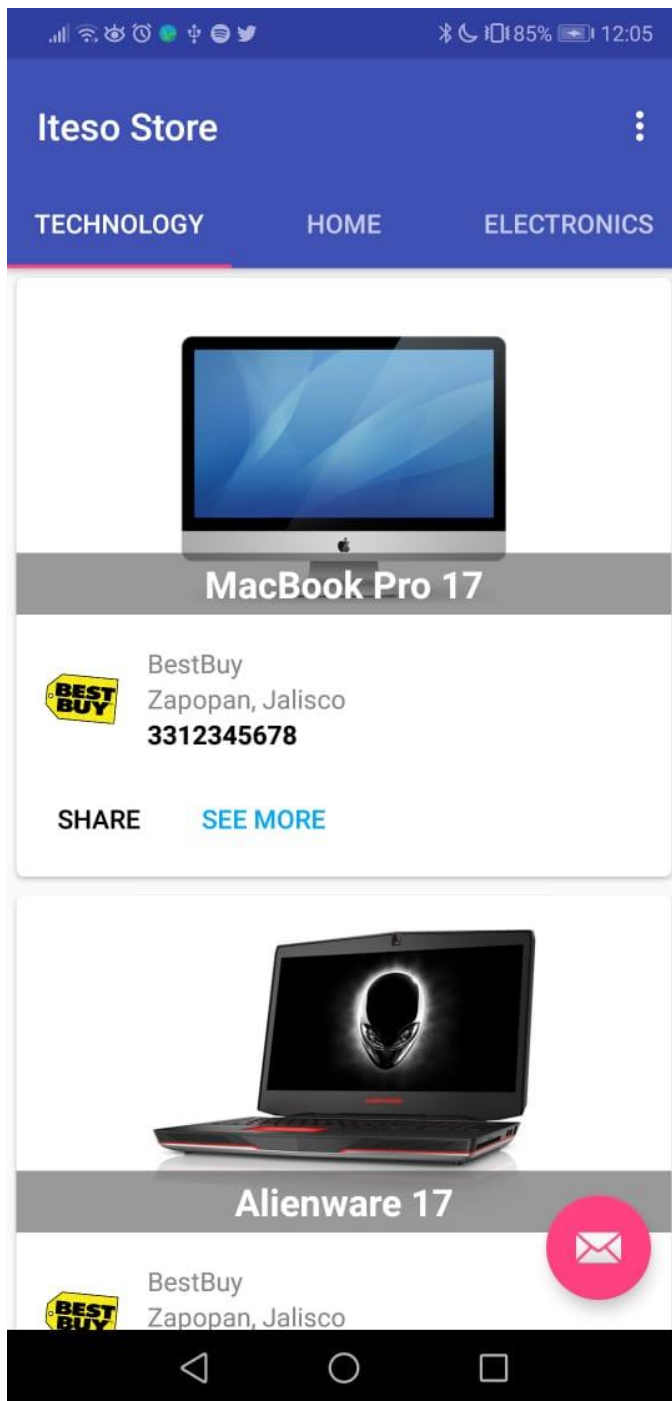
    recyclerView.setHasFixedSize(true);
    mLayoutManager = new LinearLayoutManager(getActivity());
    recyclerView.setLayoutManager(mLayoutManager);

    ArrayList<ItemProduct> myDataSet = new ArrayList<>();
    ItemProduct itemProduct = new ItemProduct();
    itemProduct.setTitle("MacBook Pro 17");
    itemProduct.setStore("BestBuy");
    itemProduct.setLocation("Zapopan, Jalisco");
    itemProduct.setPhone("3312345678");
    itemProduct.setImage(0);
    itemProduct.setDescription("Llevate esta Mac con un 30% de descuento" +
        "para que puedas programar para XCode y Android sin tener que " +
        "batallar tanto como en Windows");
    myDataSet.add(itemProduct);
    ItemProduct itemProduct2 = new ItemProduct();

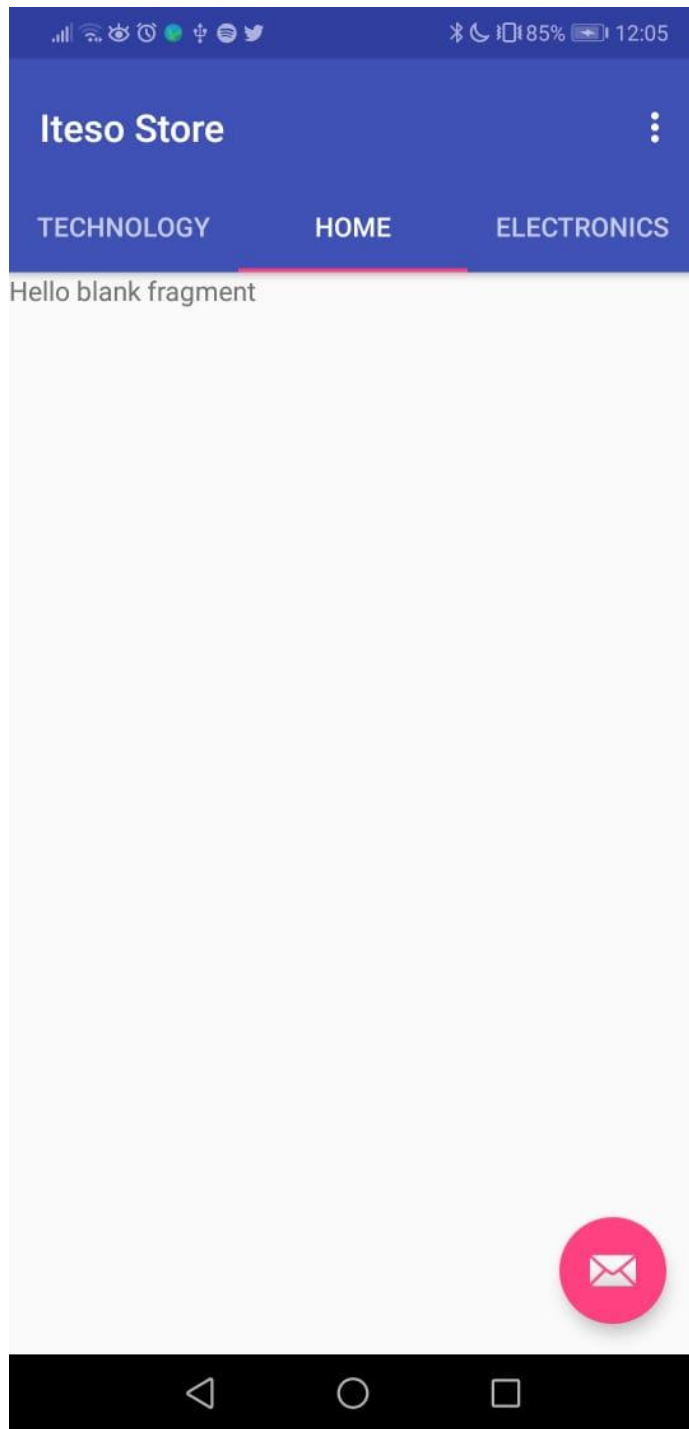
    itemProduct2.setTitle("Alienware 17");
    itemProduct2.setStore("BestBuy");
    itemProduct2.setLocation("Zapopan, Jalisco");
    itemProduct2.setPhone("3312345678");
    itemProduct2.setImage(1);
    itemProduct2.setDescription("Llevate esta Alienware con un 30% de descuento" +
        "para que puedas jugar");
    myDataSet.add(itemProduct2);
    mAdapter = new AdapterProduct(getActivity(), myDataSet);
    recyclerView.setAdapter(mAdapter);
    return view;
}
}
```

Screenshots de la aplicación

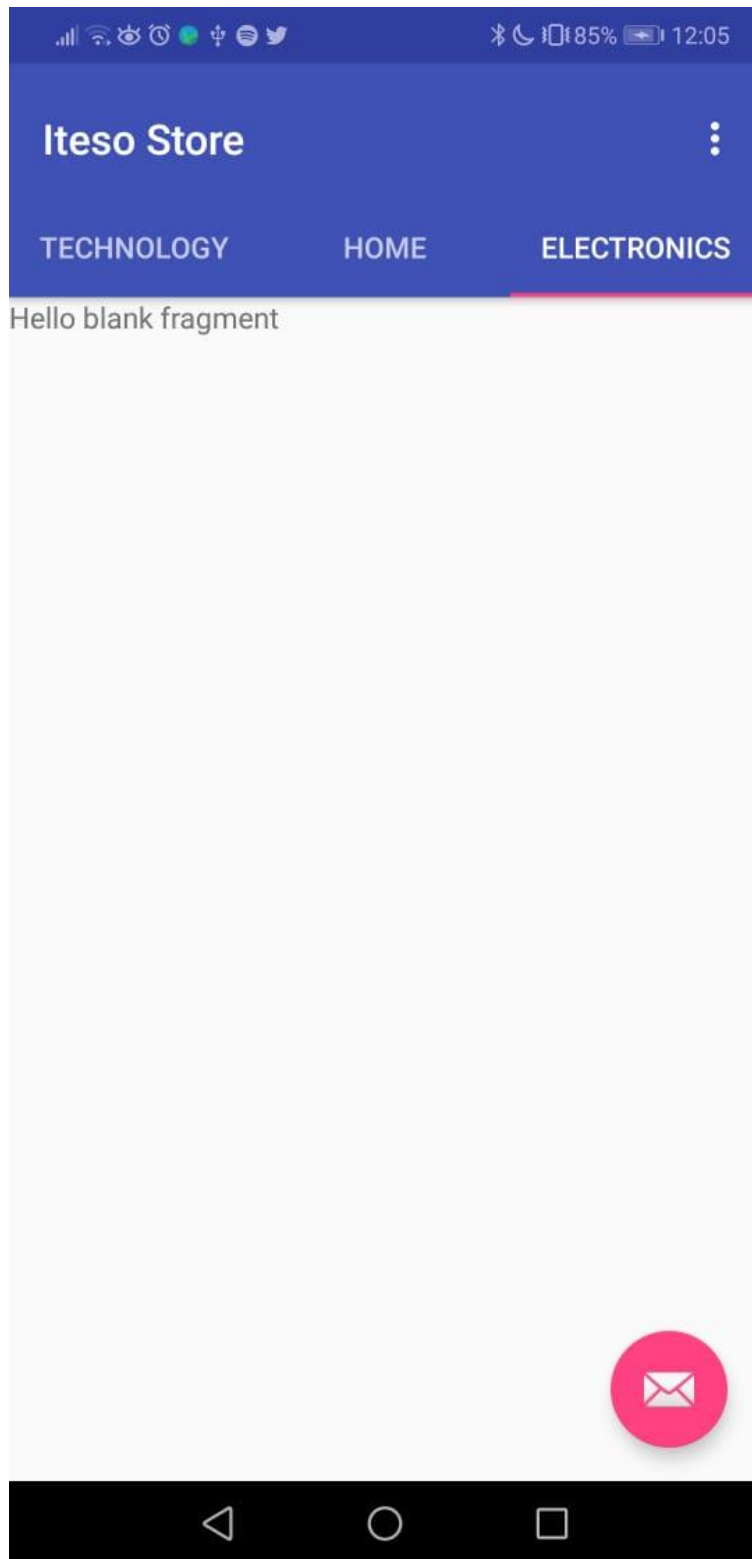
Tab Technology

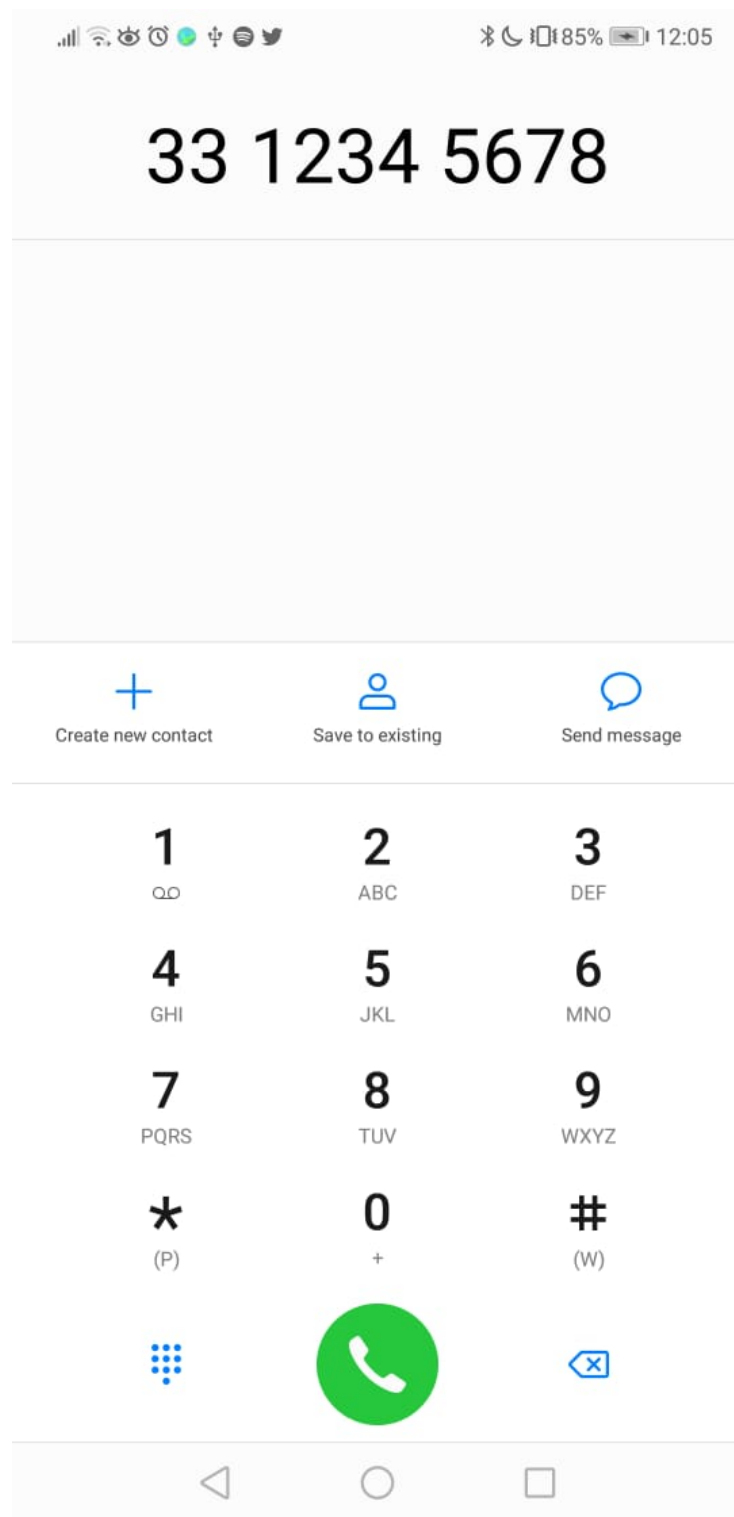


Tab Home



Tab Electronics





CardView

