# Tarea 03

Repositorio: <https://github.com/marianasrvg/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

A screenshot of a cell phone

Description generated with very high confidence

Tab Home

A screenshot of a cell phone

Description generated with very high confidence

Tab Electronics

A screenshot of a cell phone

Description generated with very high confidence

Número telefónico

A screenshot of a cell phone

Description generated with very high confidence

CardView

A screenshot of a cell phone

Description generated with very high confidence