**EXAMEN DANIEL RODRÍGUEZ FERNÁNDEZ**

**2DAM**

1. **CAPTURA DE PANTALLA**

Captura de pantalla de un celular

Descripción generada automáticamente Captura de pantalla de un teléfono celular

Descripción generada automáticamente Captura de pantalla de un celular

Descripción generada automáticamente

Interfaz de usuario gráfica, Aplicación

Descripción generada automáticamente Interfaz de usuario gráfica, Aplicación

Descripción generada automáticamente

1. **CÓDIGO**

CLASE MAIN

class MainActivity : AppCompatActivity() {  
  
 private lateinit var fragmentUno: Fragment  
 private lateinit var fragmentDos: Fragment  
 private lateinit var fragmentTres: Fragment  
 private lateinit var fragmentCuatro: Fragment  
  
 *//Creamos la lista de regalos* var lista = ArrayList<Shop>()  
  
 override fun onCreate(savedInstanceState: Bundle?) {  
 super.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_main*)  
 fragmentUno = FirstFragment()  
 fragmentDos = SecondFragment()  
 fragmentTres = AddShopping()  
 fragmentCuatro = EditShopping()  
  
  
 *supportFragmentManager*.beginTransaction().replace(R.id.*layoutPrincipal*, FirstFragment()).commit()  
  
  
 }  
 fun onClickNuevoAdd(view: View) {  
 *supportFragmentManager*.beginTransaction().replace(R.id.*layoutPrincipal*, fragmentTres).commit()  
 }  
  
 fun onClickInsertar(view: View) {  
 *//Obtenemos los datos* var nameData = findViewById<EditText>(R.id.*tName*).*text*.toString()  
 var giftData = findViewById<EditText>(R.id.*tGift*).*text*.toString()  
 var moneyData = findViewById<EditText>(R.id.*tMoney*).*text*.toString()  
 var noteData = findViewById<EditText>(R.id.*tNotes*).*text*.toString()  
 var shop = Shop(UUID.randomUUID().toString(),nameData, giftData, moneyData, noteData, false)  
 lista.add(shop)  
 *println*(lista.toString())  
 *println*(shop.name)  
  
 var fragmentoLista = FirstFragment()  
  
 fragmentoLista.llenarLista(lista)  
  
 if(lista.size ==0){  
 val builder = AlertDialog.Builder(this)  
 builder.setTitle("Opcion no disponible")  
 .setMessage("No existen regalos, \n" +  
 "Necesitas crear regalos")  
 .setNegativeButton("Volver") **{** dialog, which **->** dialog.dismiss() **}** builder.show()  
 }else {  
 *println*("hemos llegado hasta la opcion de crear recicler")  
  
 var s = *supportFragmentManager*.beginTransaction()  
 s.addToBackStack(null)  
 s.replace(R.id.*layoutPrincipal*, fragmentoLista).commit()  
  
  
 }  
 }  
  
 fun filtroCompletado(view: View) {  
 var listaFiltrada = ArrayList<Shop>()  
 for (i in lista) {  
 if (i.isComplete == true) {  
 listaFiltrada.add(i)  
 }  
 }  
 var fragmentoLista = FirstFragment()  
  
 fragmentoLista.llenarLista(listaFiltrada)  
  
 if (listaFiltrada.size == 0) {  
 val builder = AlertDialog.Builder(this)  
 builder.setTitle("Opcion no disponible")  
 .setMessage(  
 "No existen regalos completados, \n" +  
 "Necesitas crear regalos"  
 )  
 .setNegativeButton("Volver") **{** dialog, which **->** dialog.dismiss() **}** builder.show()  
 } else {  
 *println*("hemos llegado hasta la opcion de crear recicler")  
  
 var s = *supportFragmentManager*.beginTransaction()  
 s.addToBackStack(null)  
 s.replace(R.id.*layoutPrincipal*, fragmentoLista).commit()  
 }  
 }  
 fun filtroSinCompletar(view: View) {  
 *//Filtramos los regalos por aquellos que solo tienen el checkbox en true* }  
 }

CLASE ADAPTER

package com.drodriguez.examendanielrodriguez  
  
import android.view.LayoutInflater  
import android.view.View  
import android.view.ViewGroup  
import android.widget.CheckBox  
import android.widget.TextView  
import androidx.recyclerview.widget.RecyclerView  
  
class Adapter(  
 private var dataList: *List*<Shop>,  
): RecyclerView.Adapter<Adapter.ViewHolder>() {  
  
 class ViewHolder(view: View): RecyclerView.ViewHolder(view) {  
 var name: TextView = view.findViewById(R.id.*reName*)  
 var gift: TextView = view.findViewById(R.id.*reGift*)  
 var money: TextView = view.findViewById(R.id.*reMoney*)  
 var note: TextView = view.findViewById(R.id.*reNotes*)  
 var isComplete: CheckBox = view.findViewById(R.id.*reComplete*)  
  
 }  
  
 override fun onCreateViewHolder(parent: ViewGroup, viewType: Int): ViewHolder {  
 val view = LayoutInflater.from(parent.*context*).inflate(R.layout.*item*, parent, false)  
 return ViewHolder(view)  
 }  
  
 override fun onBindViewHolder(holder: ViewHolder, position: Int) {  
 val item = dataList[position]  
 holder.name.setText("${item.name.toString()}")  
 holder.gift.setText("${item.gift.toString()}")  
 holder.money.setText("${item.money.toString()}")  
 holder.note.setText("${item.note.toString()}")  
 holder.isComplete.*isChecked* = item.isComplete  
 }  
  
 override fun getItemCount(): Int {  
 return dataList.size  
 }  
  
 fun setData(list:*List*<Shop>){  
 this.dataList = list  
 }  
}

CLASE SHOP

package com.drodriguez.examendanielrodriguez  
  
class Shop(  
 var id: String,  
 var name: String,  
 var gift: String,  
 var money: String,  
 var note: String,  
 var isComplete: Boolean  
) {  
}

CLASE ADDSHOPPING

package com.drodriguez.examendanielrodriguez  
  
import android.os.Bundle  
import androidx.fragment.app.Fragment  
import android.view.LayoutInflater  
import android.view.View  
import android.view.ViewGroup  
  
  
class AddShopping : Fragment() {  
  
 override fun onCreate(savedInstanceState: Bundle?) {  
 super.onCreate(savedInstanceState)  
 *arguments*?.*let* **{  
  
 }** }  
  
 override fun onCreateView(  
 inflater: LayoutInflater, container: ViewGroup?,  
 savedInstanceState: Bundle?  
 ): View? {  
 *// Inflate the layout for this fragment* return inflater.inflate(R.layout.*fragment\_add\_shopping*, container, false)  
 }  
  
 fun onClickInsertar(view: View) {}  
  
}

CLASE FIRST FRAGMENT

package com.drodriguez.examendanielrodriguez  
  
import android.os.Bundle  
import androidx.fragment.app.Fragment  
import android.view.LayoutInflater  
import android.view.View  
import android.view.ViewGroup  
import androidx.navigation.fragment.findNavController  
import androidx.recyclerview.widget.LinearLayoutManager  
import androidx.recyclerview.widget.RecyclerView  
import com.drodriguez.examendanielrodriguez.databinding.FragmentFirstBinding  
  
class FirstFragment : Fragment() {  
 var lista = ArrayList<Shop>()  
  
 private var \_binding: FragmentFirstBinding? = null  
  
 private val binding get() = \_binding!!  
  
 override fun onCreateView(  
  
 inflater: LayoutInflater, container: ViewGroup?,  
 savedInstanceState: Bundle?  
 ): View? {  
 val recycler: RecyclerView  
 val vista = inflater.inflate(R.layout.*fragment\_first*, container, false)  
 recycler = vista.findViewById(R.id.*recyclerView*)  
 recycler.*layoutManager* = LinearLayoutManager(*context*)  
  
 recycler.*adapter* = Adapter(lista)  
 return vista  
 }  
  
 override fun onViewCreated(view: View, savedInstanceState: Bundle?) {  
 super.onViewCreated(view, savedInstanceState)  
  
 }  
 fun llenarLista(list: ArrayList<Shop>){  
 lista = list  
 }  
}