

# Universidad Don Bosco



## Desarrollo de Software para Moviles

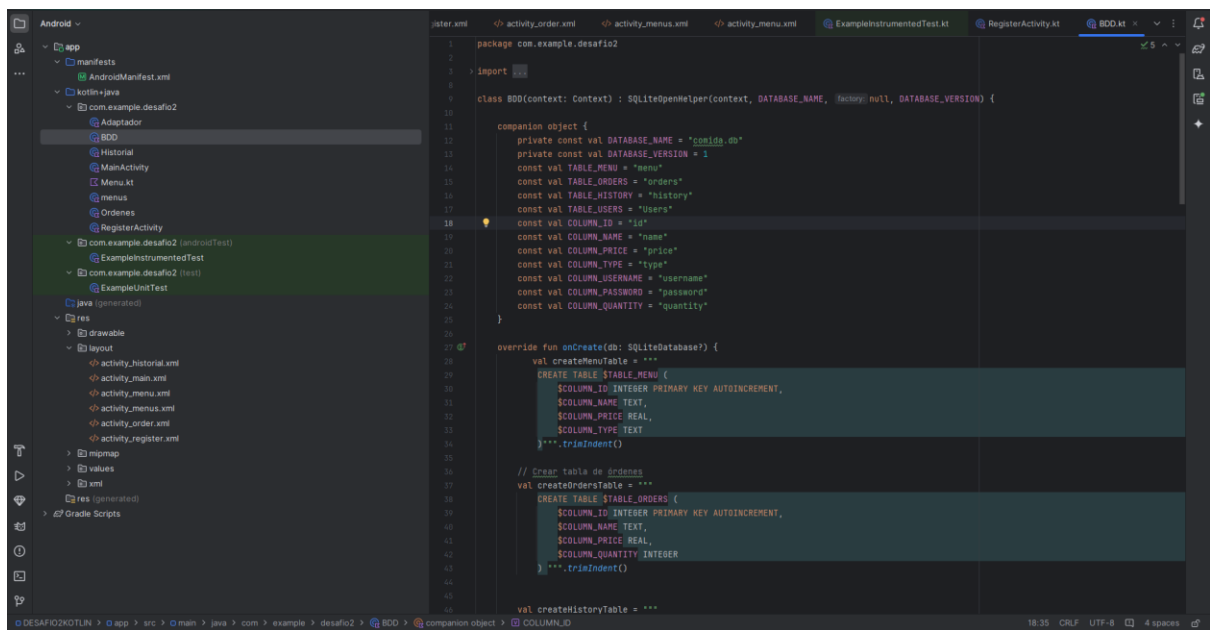
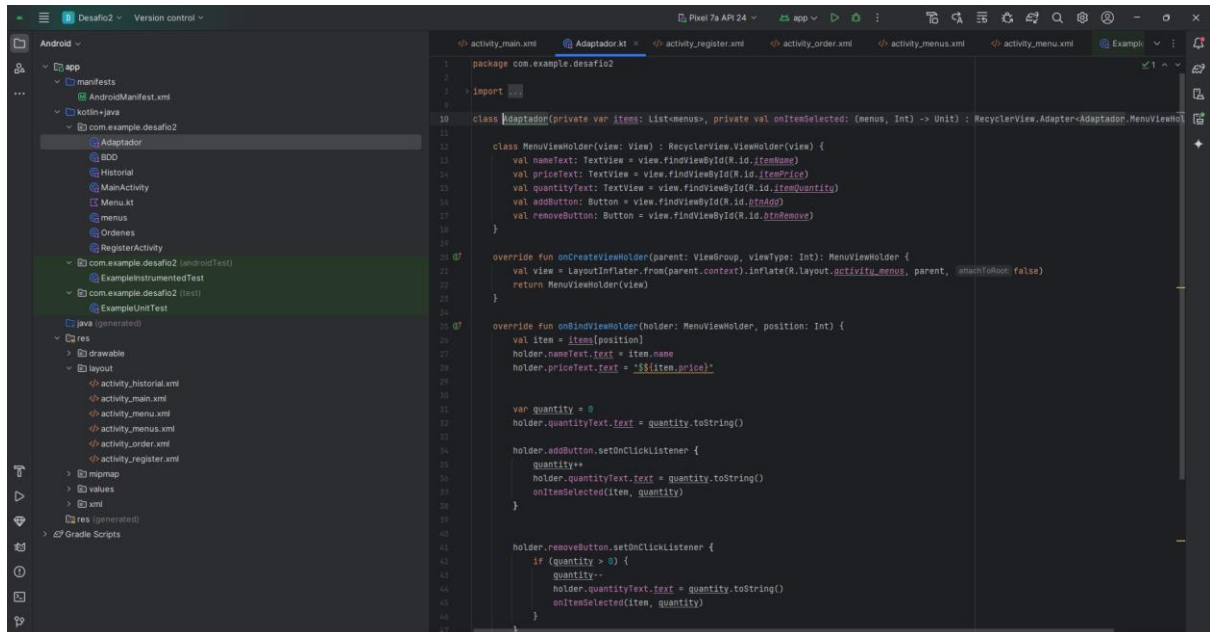
### Alumno:

Anderson Alessandro Pablo Beltran PB230838

### Actividad:

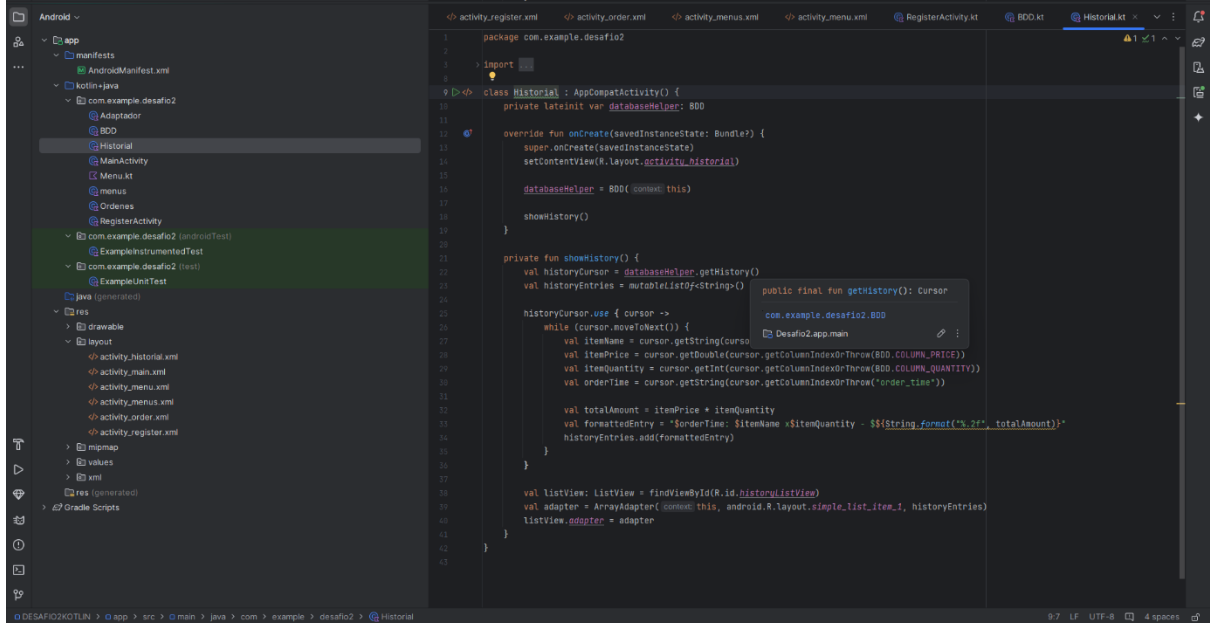
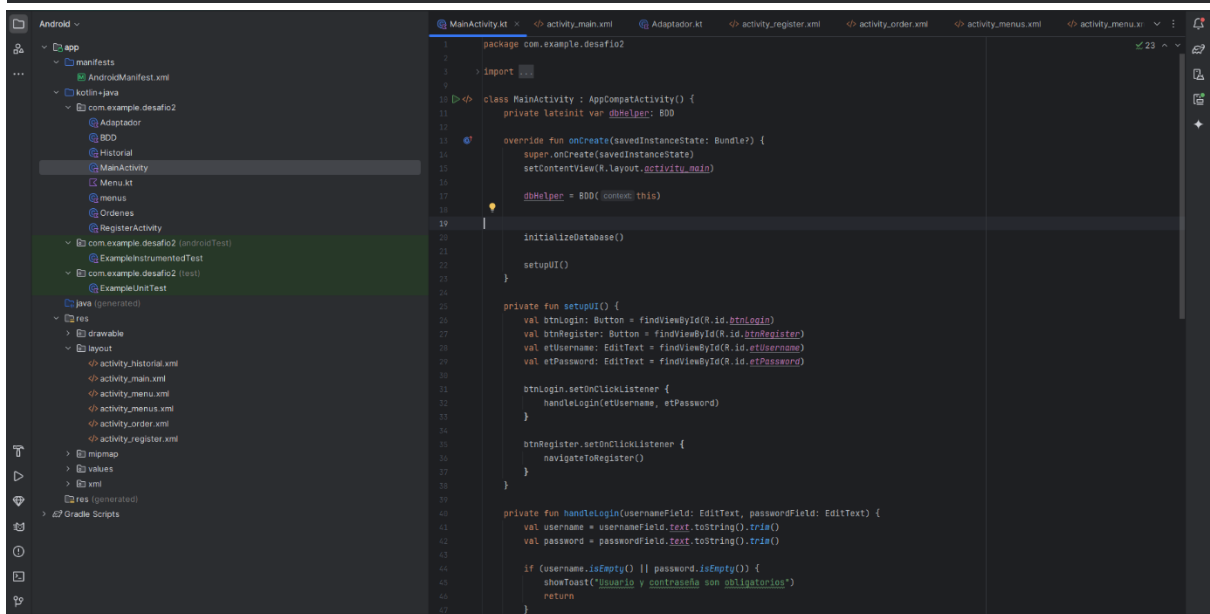
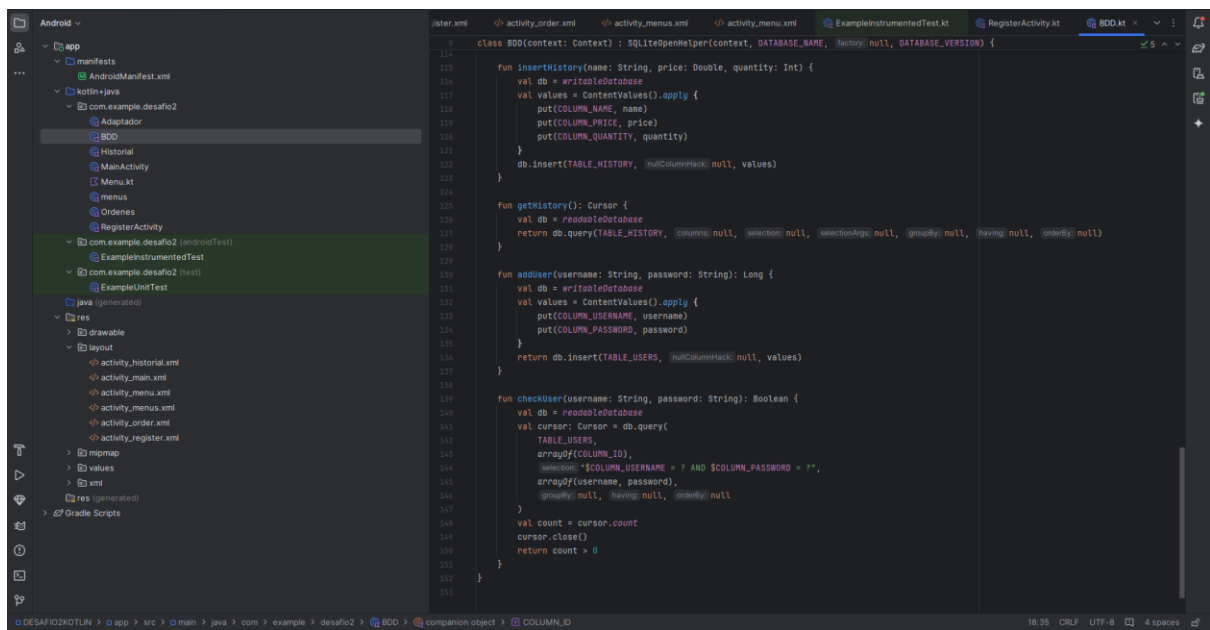
Desafío 2 – Laboratorio

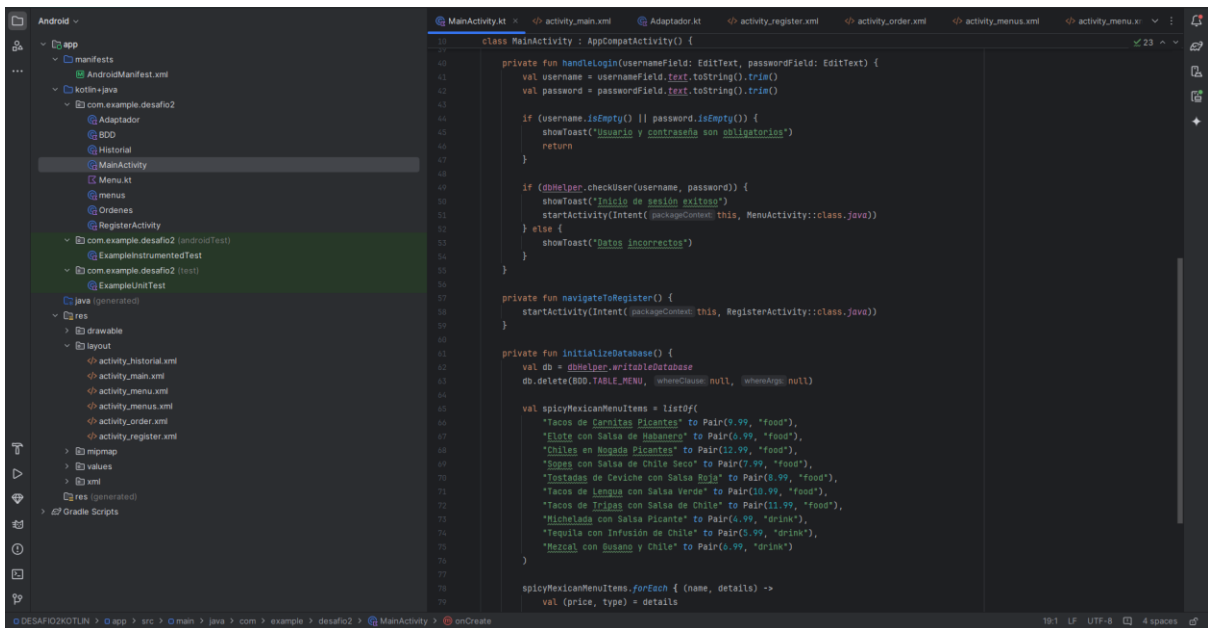
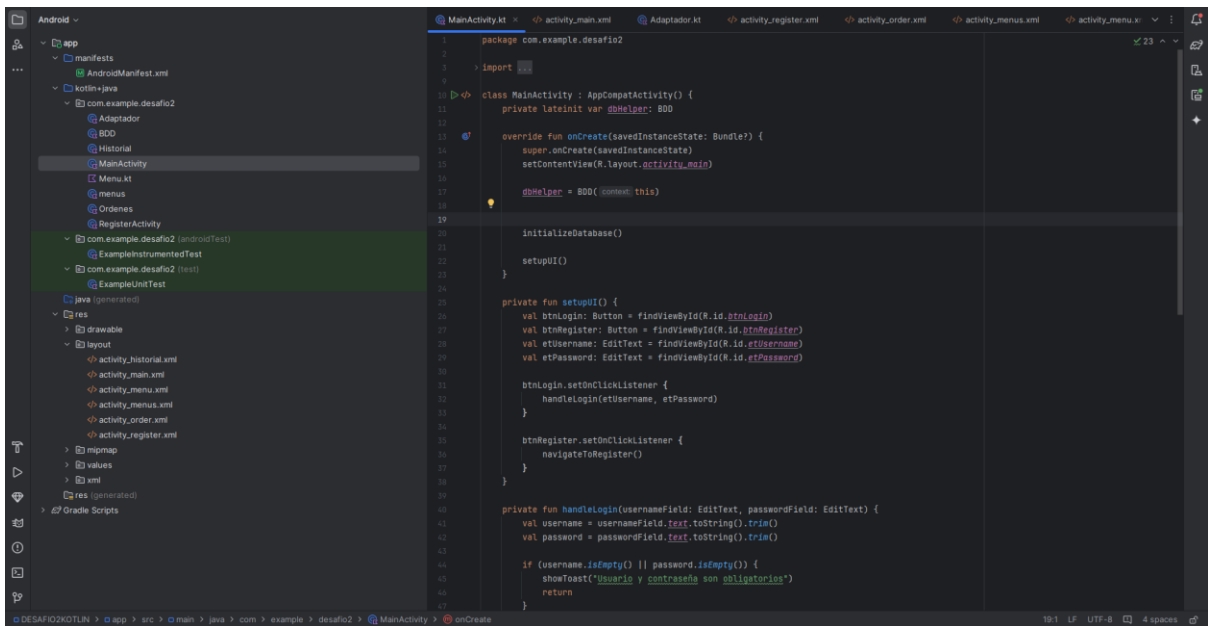
# Capturas de Pantalla

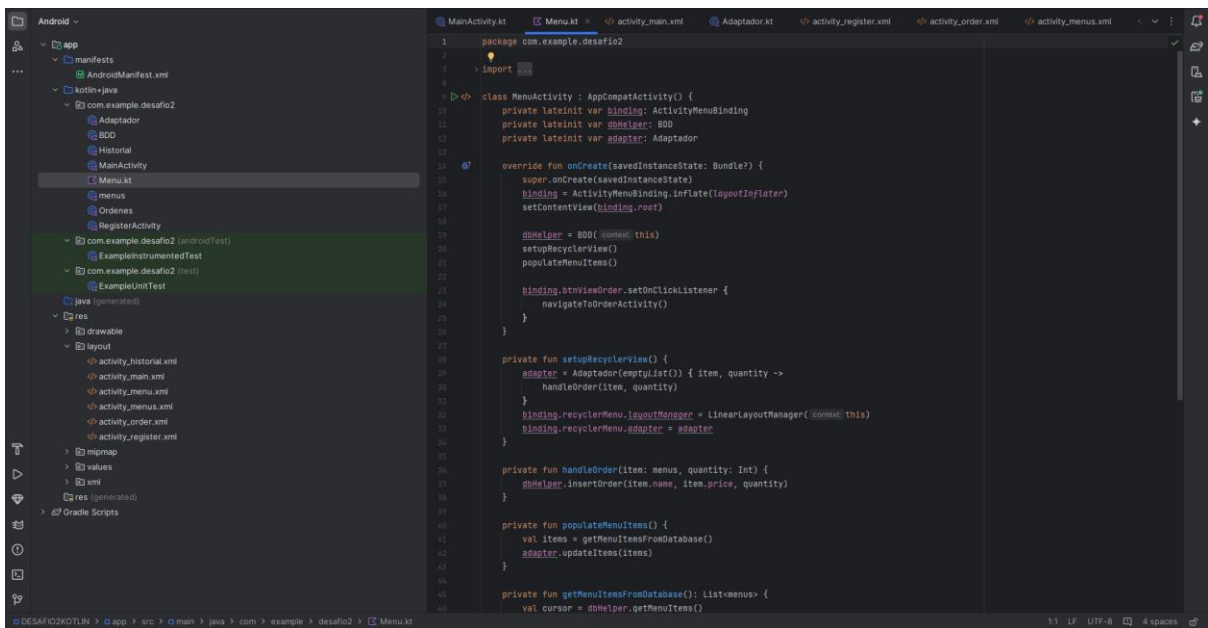
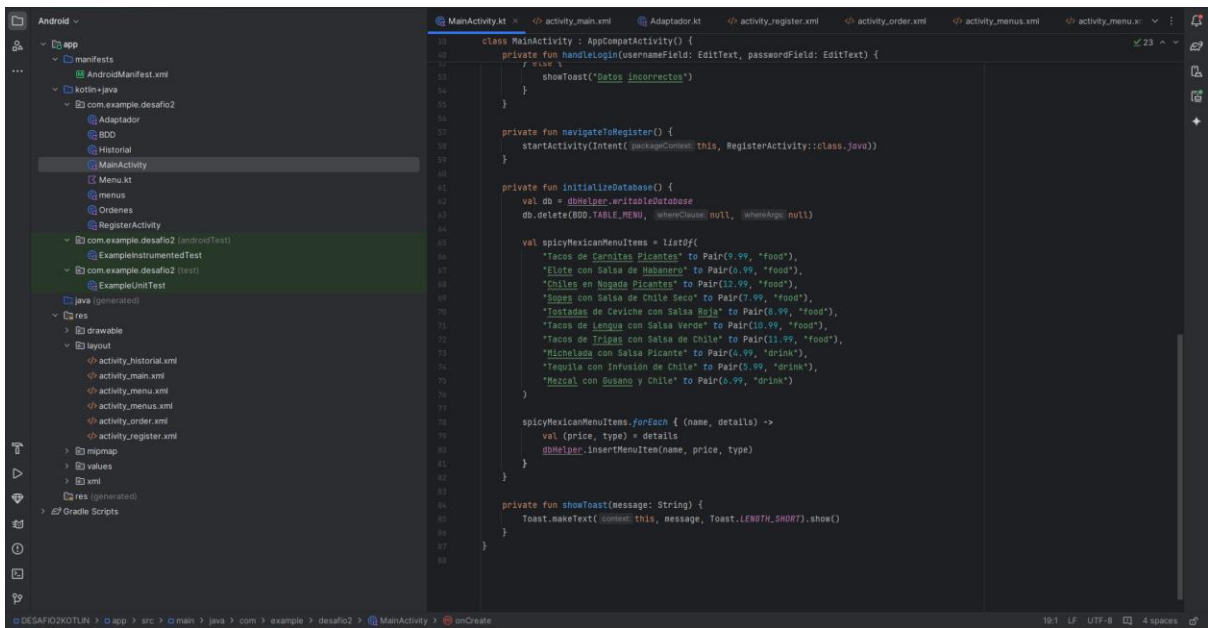


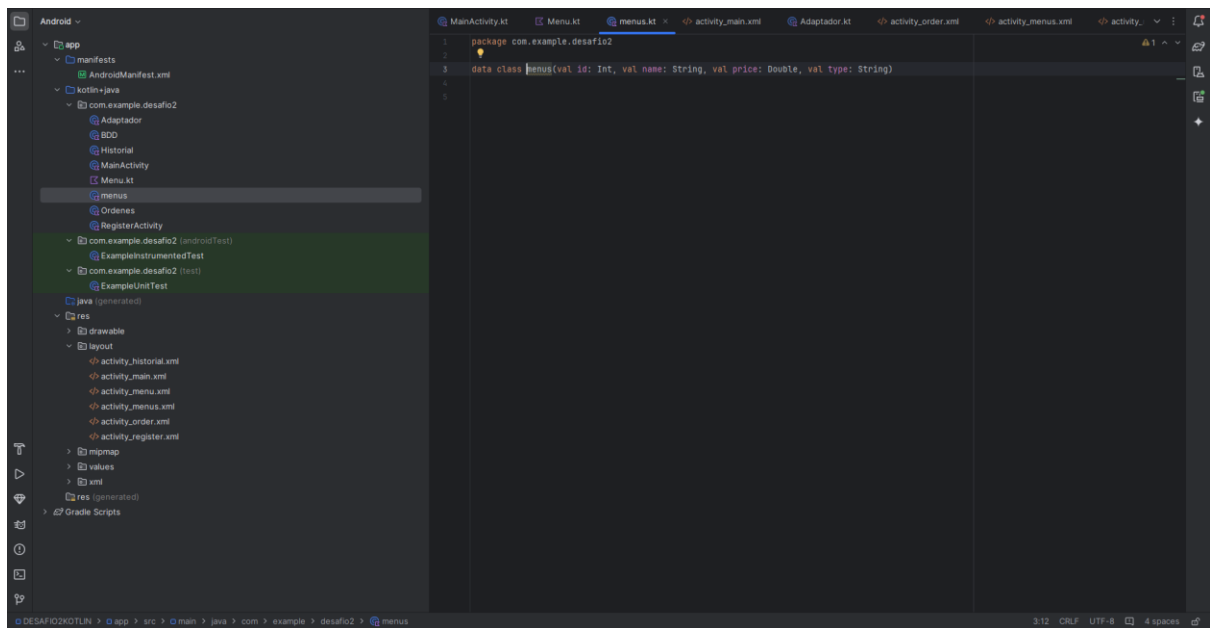
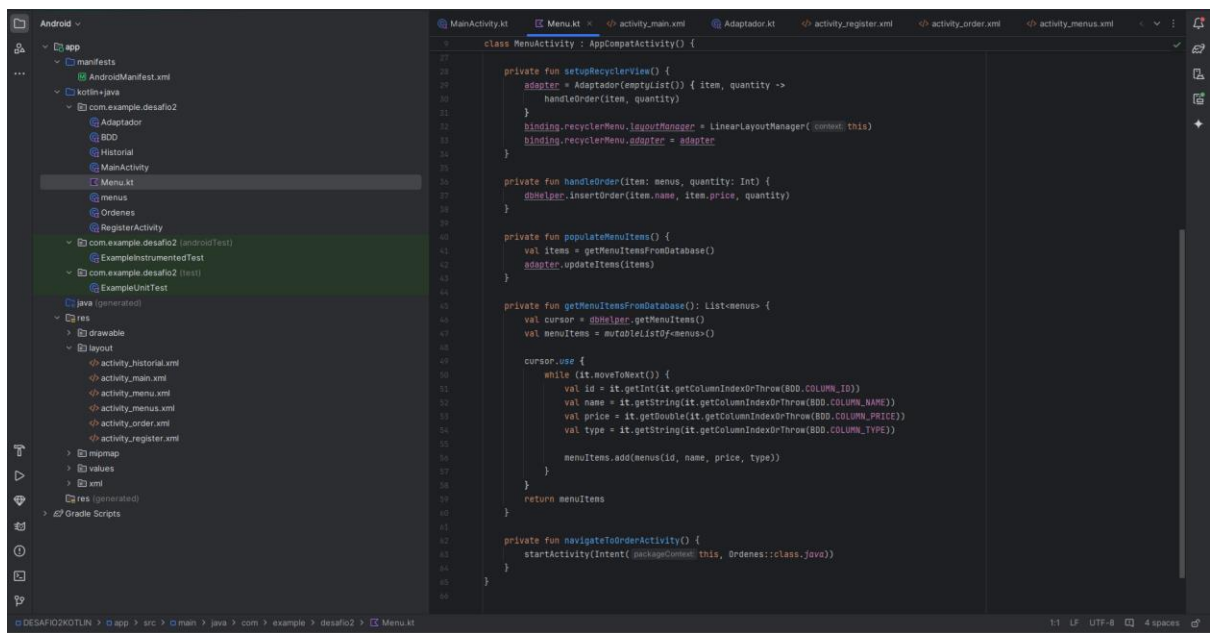
```
17 class BDD(context: Context) : SQLiteOpenHelper(context, DATABASE_NAME, factory, null, DATABASE_VERSION) {
18     override fun onCreate(db: SQLiteDatabase?) {
19         val createHistoryTable = """
20             CREATE TABLE $TABLE_HISTORY (
21                 $COLUMN_ID INTEGER PRIMARY KEY AUTOINCREMENT,
22                 $COLUMN_NAME TEXT,
23                 $COLUMN_PRICE REAL,
24                 $COLUMN_QUANTITY INTEGER,
25                 $COLUMN_TIMESTAMP TIMESTAMP DEFAULT CURRENT_TIMESTAMP
26             )"""
27         db?.execSQL(createHistoryTable)
28
29         // Crear tabla de usuarios
30         val createUsersTable = """
31             CREATE TABLE $TABLE_USERS (
32                 $COLUMN_ID INTEGER PRIMARY KEY AUTOINCREMENT,
33                 $COLUMN_USERNAME TEXT UNIQUE,
34                 $COLUMN_PASSWORD TEXT
35             )"""
36         db?.execSQL(createUsersTable)
37
38         // Crear tabla de pedidos
39         val createOrdersTable = """
40             CREATE TABLE $TABLE_ORDERS (
41                 $COLUMN_ID INTEGER PRIMARY KEY AUTOINCREMENT,
42                 $COLUMN_NAME TEXT,
43                 $COLUMN_PRICE REAL,
44                 $COLUMN_QUANTITY INTEGER,
45                 $COLUMN_TIMESTAMP TIMESTAMP DEFAULT CURRENT_TIMESTAMP
46             )"""
47         db?.execSQL(createOrdersTable)
48     }
49
50     override fun onUpgrade(db: SQLiteDatabase?, oldVersion: Int, newVersion: Int) {
51         db?.execSQL("DROP TABLE IF EXISTS $TABLE_MENU")
52         db?.execSQL("DROP TABLE IF EXISTS $TABLE_ORDERS")
53         db?.execSQL("DROP TABLE IF EXISTS $TABLE_HISTORY")
54         db?.execSQL("DROP TABLE IF EXISTS $TABLE_USERS")
55         onCreate(db)
56     }
57
58     fun insertMenuItems(name: String, price: Double, type: String) {
59         val db = writableDatabase
60         val values = ContentValues().apply {
61             put(COLUMN_NAME, name)
62             put(COLUMN_PRICE, price)
63             put(COLUMN_TYPE, type)
64         }
65         db.insert(TABLE_MENU, null, values)
66     }
67
68     fun getMenuItems(): Cursor {
69         val db = readableDatabase
70         return db.query(TABLE_MENU, null, null, null, null, null, null, null, null, null)
71     }
72
73     fun insertOrder(name: String, price: Double, quantity: Int) {
74         val db = writableDatabase
75         val values = ContentValues().apply {
76             put(COLUMN_NAME, name)
77             put(COLUMN_PRICE, price)
78             put(COLUMN_QUANTITY, quantity)
79         }
80         db.insert(TABLE_ORDERS, null, values)
81     }
82
83     fun getOrders(): Cursor {
84         val db = readableDatabase
85         return db.query(TABLE_ORDERS, null, null, null, null, null, null, null, null, null)
86     }
87
88     fun clearOrders() {
89         val db = writableDatabase
90         db.delete(TABLE_ORDERS, null, null)
91     }
92
93     fun insertHistory(name: String, price: Double, quantity: Int) {
94         val db = writableDatabase
95         val values = ContentValues().apply {
96             put(COLUMN_NAME, name)
97             put(COLUMN_PRICE, price)
98             put(COLUMN_QUANTITY, quantity)
99         }
100         db.insert(TABLE_HISTORY, null, values)
101     }
102 }
```

```
17 class BDD(context: Context) : SQLiteOpenHelper(context, DATABASE_NAME, factory, null, DATABASE_VERSION) {
18     override fun onCreate(db: SQLiteDatabase?) {
19         val createHistoryTable = """
20             CREATE TABLE $TABLE_HISTORY (
21                 $COLUMN_ID INTEGER PRIMARY KEY AUTOINCREMENT,
22                 $COLUMN_NAME TEXT,
23                 $COLUMN_PRICE REAL,
24                 $COLUMN_QUANTITY INTEGER,
25                 $COLUMN_TIMESTAMP TIMESTAMP DEFAULT CURRENT_TIMESTAMP
26             )"""
27         db?.execSQL(createHistoryTable)
28
29         // Crear tabla de usuarios
30         val createUsersTable = """
31             CREATE TABLE $TABLE_USERS (
32                 $COLUMN_ID INTEGER PRIMARY KEY AUTOINCREMENT,
33                 $COLUMN_USERNAME TEXT UNIQUE,
34                 $COLUMN_PASSWORD TEXT
35             )"""
36         db?.execSQL(createUsersTable)
37
38         // Crear tabla de pedidos
39         val createOrdersTable = """
40             CREATE TABLE $TABLE_ORDERS (
41                 $COLUMN_ID INTEGER PRIMARY KEY AUTOINCREMENT,
42                 $COLUMN_NAME TEXT,
43                 $COLUMN_PRICE REAL,
44                 $COLUMN_QUANTITY INTEGER,
45                 $COLUMN_TIMESTAMP TIMESTAMP DEFAULT CURRENT_TIMESTAMP
46             )"""
47         db?.execSQL(createOrdersTable)
48     }
49
50     override fun onUpgrade(db: SQLiteDatabase?, oldVersion: Int, newVersion: Int) {
51         db?.execSQL("DROP TABLE IF EXISTS $TABLE_MENU")
52         db?.execSQL("DROP TABLE IF EXISTS $TABLE_ORDERS")
53         db?.execSQL("DROP TABLE IF EXISTS $TABLE_HISTORY")
54         db?.execSQL("DROP TABLE IF EXISTS $TABLE_USERS")
55         onCreate(db)
56     }
57
58     fun insertMenuItems(name: String, price: Double, type: String) {
59         val db = writableDatabase
60         val values = ContentValues().apply {
61             put(COLUMN_NAME, name)
62             put(COLUMN_PRICE, price)
63             put(COLUMN_TYPE, type)
64         }
65         db.insert(TABLE_MENU, null, values)
66     }
67
68     fun getMenuItems(): Cursor {
69         val db = readableDatabase
70         return db.query(TABLE_MENU, null, null, null, null, null, null, null, null, null)
71     }
72
73     fun insertOrder(name: String, price: Double, quantity: Int) {
74         val db = writableDatabase
75         val values = ContentValues().apply {
76             put(COLUMN_NAME, name)
77             put(COLUMN_PRICE, price)
78             put(COLUMN_QUANTITY, quantity)
79         }
80         db.insert(TABLE_ORDERS, null, values)
81     }
82
83     fun getOrders(): Cursor {
84         val db = readableDatabase
85         return db.query(TABLE_ORDERS, null, null, null, null, null, null, null, null, null)
86     }
87
88     fun clearOrders() {
89         val db = writableDatabase
90         db.delete(TABLE_ORDERS, null, null)
91     }
92
93     fun insertHistory(name: String, price: Double, quantity: Int) {
94         val db = writableDatabase
95         val values = ContentValues().apply {
96             put(COLUMN_NAME, name)
97             put(COLUMN_PRICE, price)
98             put(COLUMN_QUANTITY, quantity)
99         }
100         db.insert(TABLE_HISTORY, null, values)
101     }
102 }
```





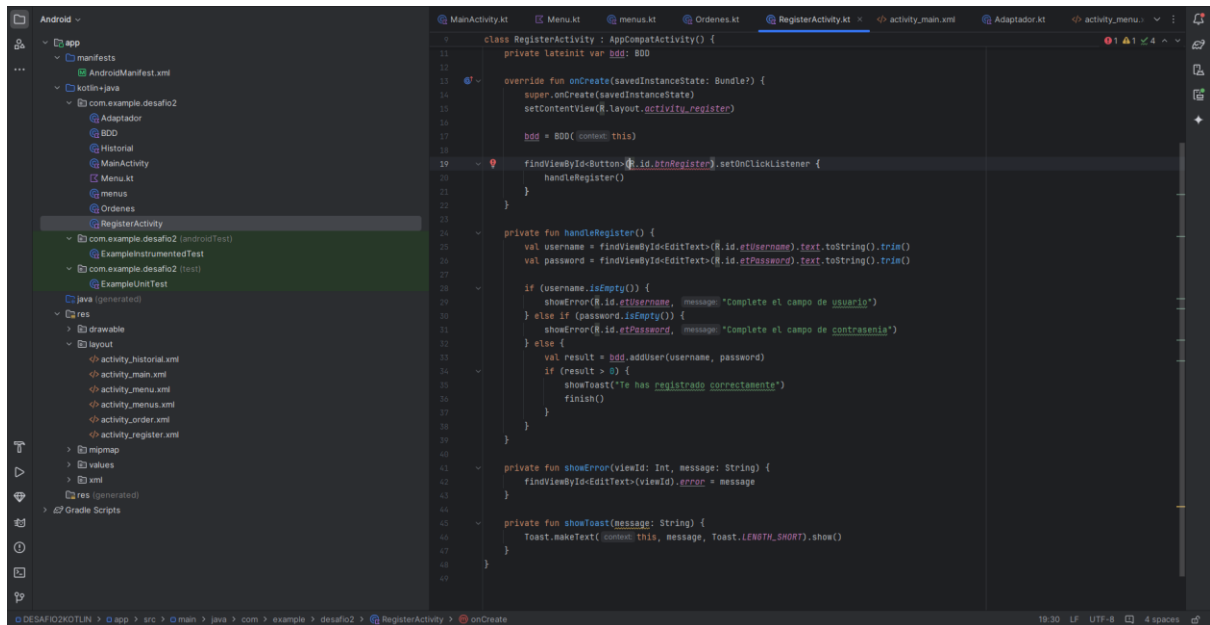
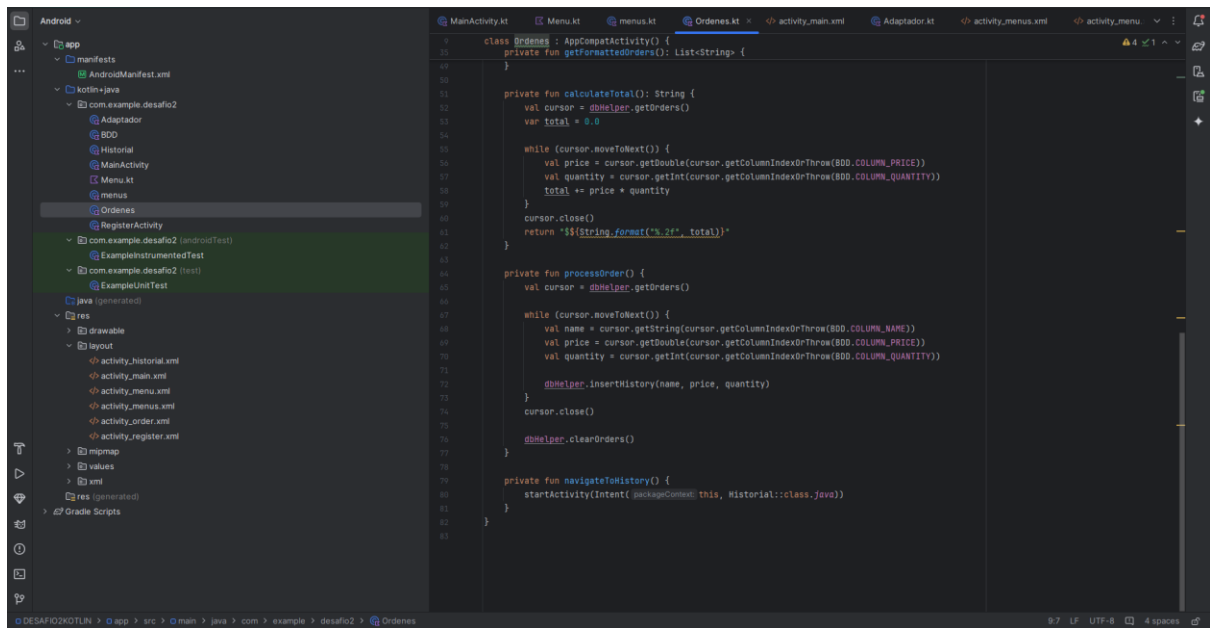




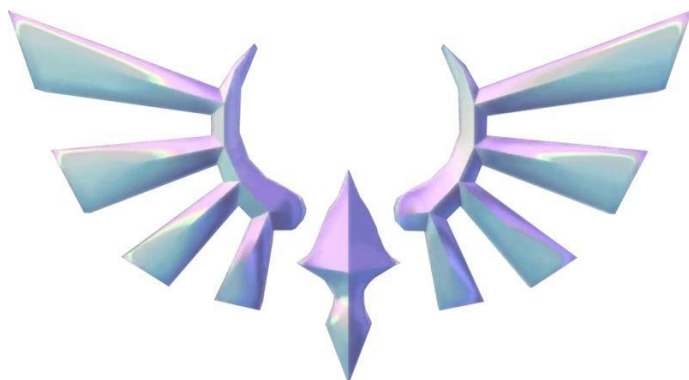
```
1 package com.example.desafio2
2
3 import androidx.appcompat.app.AppCompatActivity
4
5 class Ordenes : AppCompatActivity() {
6     private lateinit var binding: ActivityOrderBinding
7     private lateinit var dbHelper: DBHelper
8
9     override fun onCreate(savedInstanceState: Bundle?) {
10         super.onCreate(savedInstanceState)
11         binding = ActivityOrderBinding.inflate(layoutInflater)
12         setContentView(binding.root)
13
14         dbHelper = DBHelper(this)
15
16         populateOrderList()
17
18         binding.btnConfirmOrder.setOnClickListener {
19             processOrder()
20             navigateToHistory()
21         }
22
23     }
24
25     private fun populateOrderList() {
26         val orders = getFormattedOrders()
27         val adapter = ArrayAdapter<String>(this, android.R.layout.simple_list_item_1, orders)
28         binding.orderListView.adapter = adapter
29         binding.tvTotal.text = "Total: ${calculateTotal()}"
30     }
31
32     private fun getFormattedOrders(): List<String> {
33         val cursor = dbHelper.getOrders()
34         val orderItems = mutableListOf<String>()
35
36         while (cursor.moveToNext()) {
37             val name = cursor.getString(cursor.getColumnIndexOrThrow(DBHelper.COLUMN_NAME))
38             val price = cursor.getDouble(cursor.getColumnIndexOrThrow(DBHelper.COLUMN_PRICE))
39             val quantity = cursor.getInt(cursor.getColumnIndexOrThrow(DBHelper.COLUMN_QUANTITY))
40
41             val itemTotal = price * quantity
42             orderItems.add("$name $quantity - ${(String.format("%.2f", itemTotal))}")
43         }
44         cursor.close()
45         return orderItems
46     }
47
48     private fun calculateTotal(): String {
49         val cursor = dbHelper.getOrders()
50         var total = 0.0
51
52         while (cursor.moveToNext()) {
53             val price = cursor.getDouble(cursor.getColumnIndexOrThrow(DBHelper.COLUMN_PRICE))
54             val quantity = cursor.getInt(cursor.getColumnIndexOrThrow(DBHelper.COLUMN_QUANTITY))
55             total += price * quantity
56         }
57         cursor.close()
58         return "${String.format("%.2f", total)}"
59     }
60
61     private fun processOrder() {
62         val cursor = dbHelper.getOrders()
63         while (cursor.moveToNext()) {
64             // Logic for processing the order
65         }
66     }
67 }
```

```
1 package com.example.desafio2
2
3 import androidx.appcompat.app.AppCompatActivity
4
5 class Ordenes : AppCompatActivity() {
6     private lateinit var binding: ActivityOrderBinding
7     private lateinit var dbHelper: DBHelper
8
9     override fun onCreate(savedInstanceState: Bundle?) {
10         super.onCreate(savedInstanceState)
11         binding = ActivityOrderBinding.inflate(layoutInflater)
12         setContentView(binding.root)
13
14         dbHelper = DBHelper(this)
15
16         populateOrderList()
17
18         binding.btnConfirmOrder.setOnClickListener {
19             processOrder()
20             navigateToHistory()
21         }
22
23     }
24
25     private fun populateOrderList() {
26         val orders = getFormattedOrders()
27         val adapter = ArrayAdapter<String>(this, android.R.layout.simple_list_item_1, orders)
28         binding.orderListView.adapter = adapter
29         binding.tvTotal.text = "Total: ${calculateTotal()}"
30     }
31
32     private fun getFormattedOrders(): List<String> {
33         val cursor = dbHelper.getOrders()
34         val orderItems = mutableListOf<String>()
35
36         while (cursor.moveToNext()) {
37             val name = cursor.getString(cursor.getColumnIndexOrThrow(DBHelper.COLUMN_NAME))
38             val price = cursor.getDouble(cursor.getColumnIndexOrThrow(DBHelper.COLUMN_PRICE))
39             val quantity = cursor.getInt(cursor.getColumnIndexOrThrow(DBHelper.COLUMN_QUANTITY))
40
41             val itemTotal = price * quantity
42             orderItems.add("$name $quantity - ${(String.format("%.2f", itemTotal))}")
43         }
44         cursor.close()
45         return orderItems
46     }
47
48     private fun calculateTotal(): String {
49         val cursor = dbHelper.getOrders()
50         var total = 0.0
51
52         while (cursor.moveToNext()) {
53             val price = cursor.getDouble(cursor.getColumnIndexOrThrow(DBHelper.COLUMN_PRICE))
54             val quantity = cursor.getInt(cursor.getColumnIndexOrThrow(DBHelper.COLUMN_QUANTITY))
55             total += price * quantity
56         }
57         cursor.close()
58         return "${String.format("%.2f", total)}"
59     }
60
61     private fun processOrder() {
62         val cursor = dbHelper.getOrders()
63         while (cursor.moveToNext()) {
64             // Logic for processing the order
65         }
66     }
67 }
```





Icono y nombre



TaconTodo