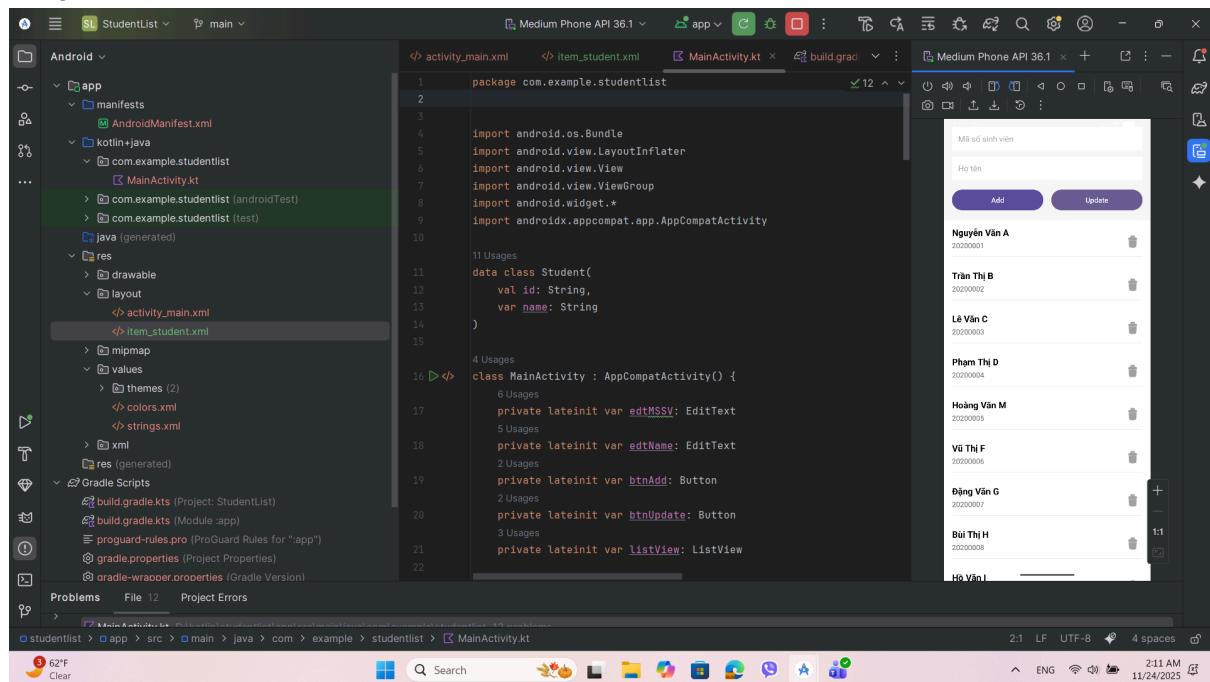


Họ và tên : Võ Anh Khôi
MSSV : 20225870

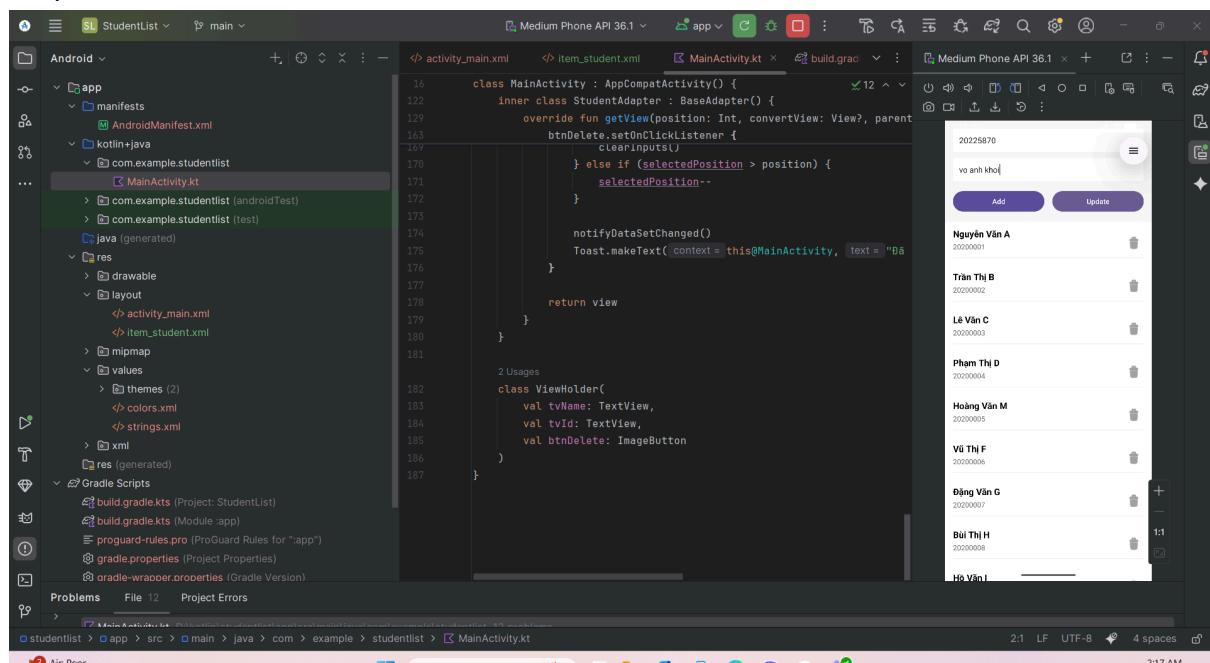
Bài 1

trang chủ



```
1 package com.example.studentlist
2
3 import android.os.Bundle
4 import android.view.LayoutInflater
5 import android.view.View
6 import android.view.ViewGroup
7 import android.widget.*
8 import androidx.appcompat.app.AppCompatActivity
9 import androidx.recyclerview.widget.RecyclerView
10
11 class Student(
12     val id: String,
13     var name: String
14 )
15
16 class MainActivity : AppCompatActivity() {
17     private lateinit var edtMSSV: EditText
18     private lateinit var edtName: EditText
19     private lateinit var btnAdd: Button
20     private lateinit var btnUpdate: Button
21     private lateinit var listView: ListView
22 }
```

nhập sinh viên mới



```
16 class MainActivity : AppCompatActivity() {
17     inner class StudentAdapter : BaseAdapter() {
18         override fun getView(position: Int, convertView: View?, parent: ViewGroup?): View {
19             val view = LayoutInflater.from(context).inflate(R.layout.item_student, parent, false)
20             val tvName: TextView = view.findViewById(R.id.tvName)
21             val tvId: TextView = view.findViewById(R.id.tvId)
22             val btnDelete: ImageButton = view.findViewById(R.id.btnDelete)
23
24             tvName.text = getItem(position).name
25             tvId.text = getItem(position).id
26
27             btnDelete.setOnClickListener {
28                 if (selectedPosition == position) {
29                     getItem(position).name = ""
30                     notifyDataSetChanged()
31                     Toast.makeText(context, "Bản ghi đã được xóa", Toast.LENGTH_SHORT).show()
32                 } else if (selectedPosition > position) {
33                     selectedPosition--
34                 }
35
36                 notifyDataSetChanged()
37                 Toast.makeText(context, "Bản ghi đã được cập nhật", Toast.LENGTH_SHORT).show()
38             }
39
40             return view
41         }
42
43         override fun getItem(position: Int): Student {
44             return students[position]
45         }
46
47         override fun getItemId(position: Int): Long {
48             return position.toLong()
49         }
50
51         override fun getCount(): Int {
52             return students.size
53         }
54     }
55
56     var selectedPosition = -1
57
58     var students = listOf(
59         Student("20225870", "võ anh khôi"),
60         Student("20225871", "Trần Thị B"),
61         Student("20225872", "Lê Văn C"),
62         Student("20225873", "Phạm Thị D"),
63         Student("20225874", "Hoàng Văn M"),
64         Student("20225875", "Vũ Thị F"),
65         Student("20225876", "Đặng Văn G"),
66         Student("20225877", "Bùi Thị H"),
67         Student("20225878", "Hồ Văn I")
68     )
69
70     var mSms: SmsManager? = null
71
72     override fun onCreate(savedInstanceState: Bundle?) {
73         super.onCreate(savedInstanceState)
74         setContentView(R.layout.activity_main)
75
76         edtMSSV = findViewById(R.id.edtMSSV)
77         edtName = findViewById(R.id.edtName)
78         btnAdd = findViewById(R.id.btnAdd)
79         btnUpdate = findViewById(R.id.btnUpdate)
80         listView = findViewById(R.id.listView)
81
82         mSms = SmsManager.getDefault()
83     }
84
85     fun addStudent() {
86         val id = edtMSSV.text.toString()
87         val name = edtName.text.toString()
88
89         if (id.isNotEmpty() && name.isNotEmpty()) {
90             val student = Student(id, name)
91             students.add(student)
92             notifyDataSetChanged()
93             edtMSSV.setText("")
94             edtName.setText("")
95             Toast.makeText(this, "Thêm sinh viên thành công", Toast.LENGTH_SHORT).show()
96         } else {
97             Toast.makeText(this, "Nhập đầy đủ thông tin", Toast.LENGTH_SHORT).show()
98         }
99     }
100
101     fun updateStudent() {
102         val id = edtMSSV.text.toString()
103         val name = edtName.text.toString()
104
105         if (id.isNotEmpty() && name.isNotEmpty()) {
106             val student = Student(id, name)
107             students[selectedPosition] = student
108             notifyDataSetChanged()
109             edtMSSV.setText("")
110             edtName.setText("")
111             Toast.makeText(this, "Cập nhật sinh viên thành công", Toast.LENGTH_SHORT).show()
112         } else {
113             Toast.makeText(this, "Nhập đầy đủ thông tin", Toast.LENGTH_SHORT).show()
114         }
115     }
116 }
```

thêm sinh viên mới thành công

The screenshot shows the Android Studio interface with the following details:

- Project Structure:** The left sidebar shows the project structure under the "Android" tab, with "MainActivity.kt" selected.
- MainActivity.kt Code:** The main code editor displays the implementation of the `MainActivity` class. A specific section of the code is highlighted, showing logic for handling a delete operation on a student list item.
- Student List Dialog:** A modal dialog titled "Mã số sinh viên" (Student ID) is open on the right. It contains a table with columns "Họ tên" (Name) and "X". The table lists several students:

Họ tên
Lê Văn C
Phạm Thị D
Hoàng Văn M
Vũ Thị F
Đặng Văn G
Bùi Thị H
Hồ Văn I
vo anh khoi

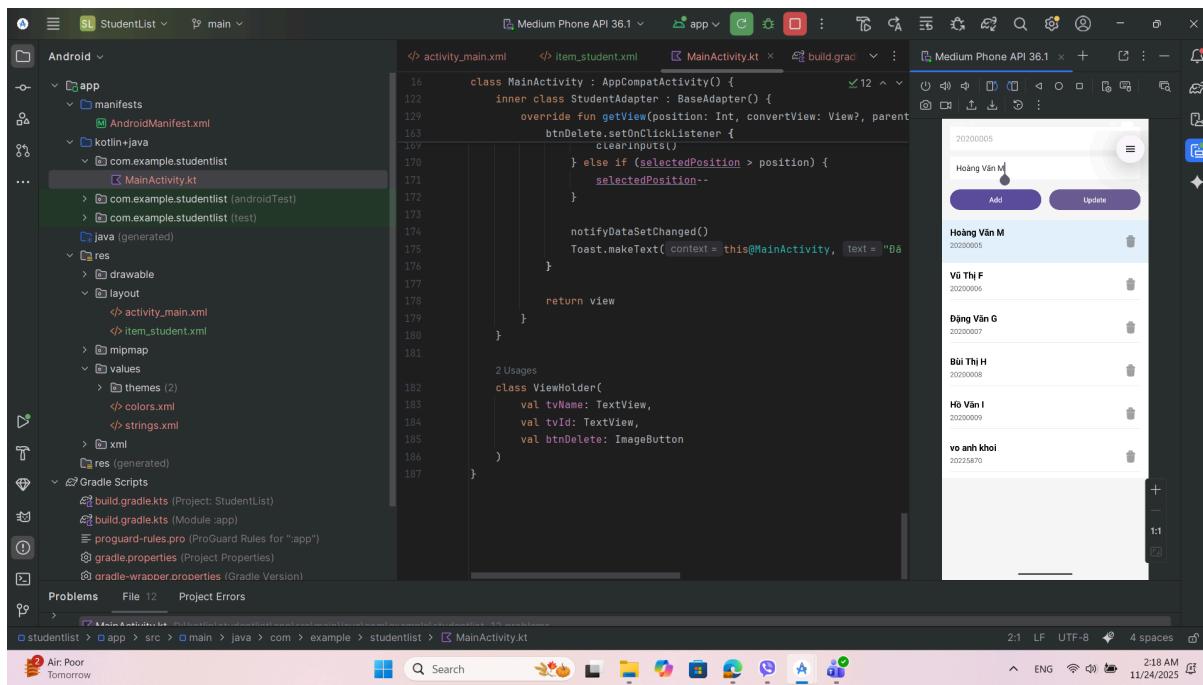
 Buttons for "Add" and "Update" are visible at the bottom of the dialog.
- Bottom Bar:** The bottom bar shows the system tray with icons for battery, signal, and time (2:17 AM, 11/24/2025).

xóa sinh viên

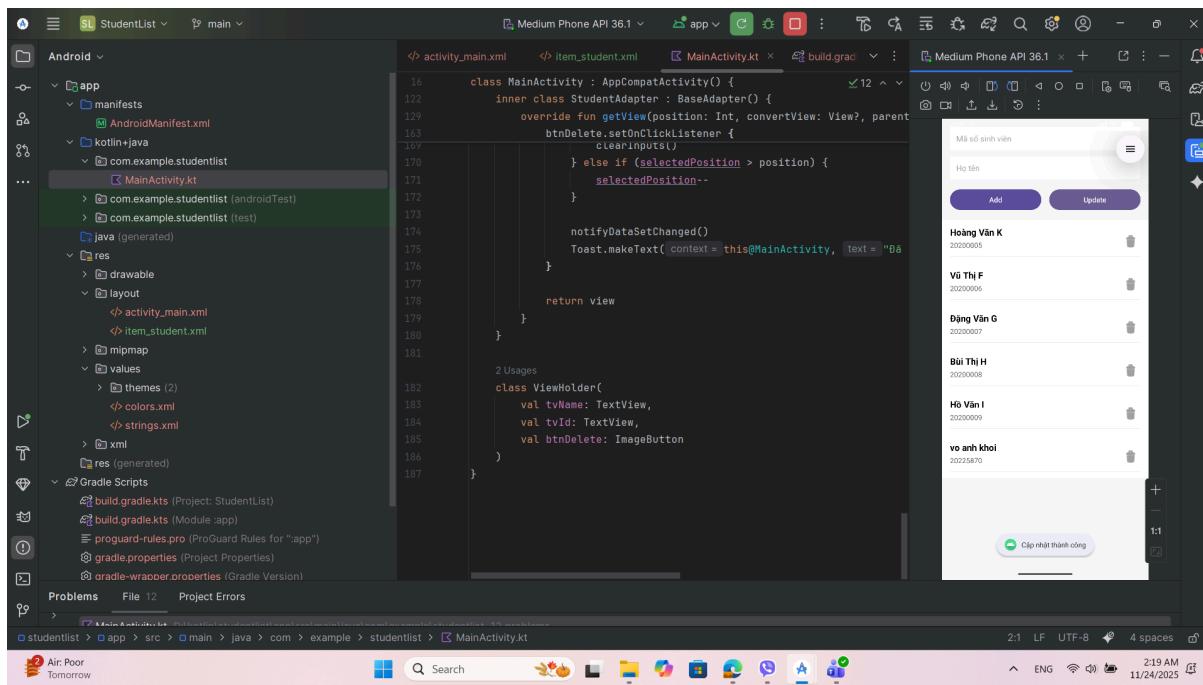
The screenshot shows the Android Studio interface with the following details:

- Project Structure:** The left sidebar shows the project structure under the "Android" tab, with "MainActivity.kt" selected.
- MainActivity.kt Code:** The main code editor displays the implementation of the `MainActivity` class. A specific section of the code is highlighted, showing logic for handling a delete operation on a student list item.
- Confirmation Dialog:** A modal dialog titled "Đã xóa: Lê Văn C" (Deleted: Lê Văn C) is open on the right. It contains a message "Đã xóa: Lê Văn C" and a close button.
- Bottom Bar:** The bottom bar shows the system tray with icons for battery, signal, and time (2:18 AM, 11/24/2025).

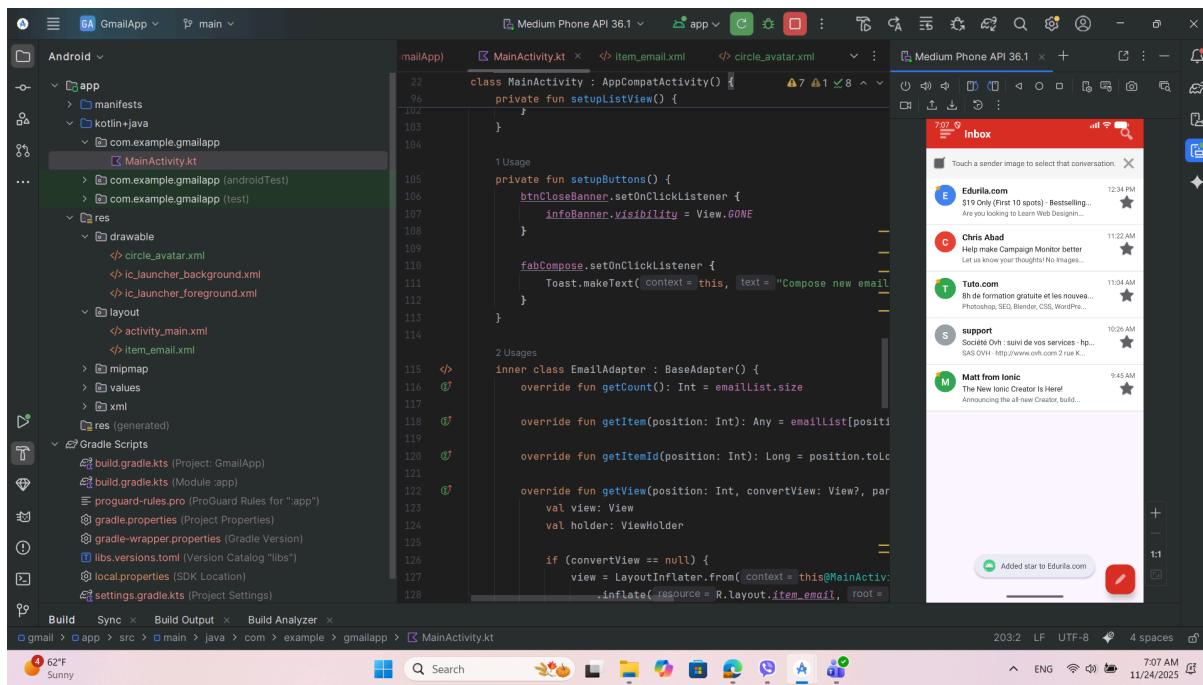
Ấn vào sinh viên để hiện text ở trên, chỉnh sửa họ tên sinh viên



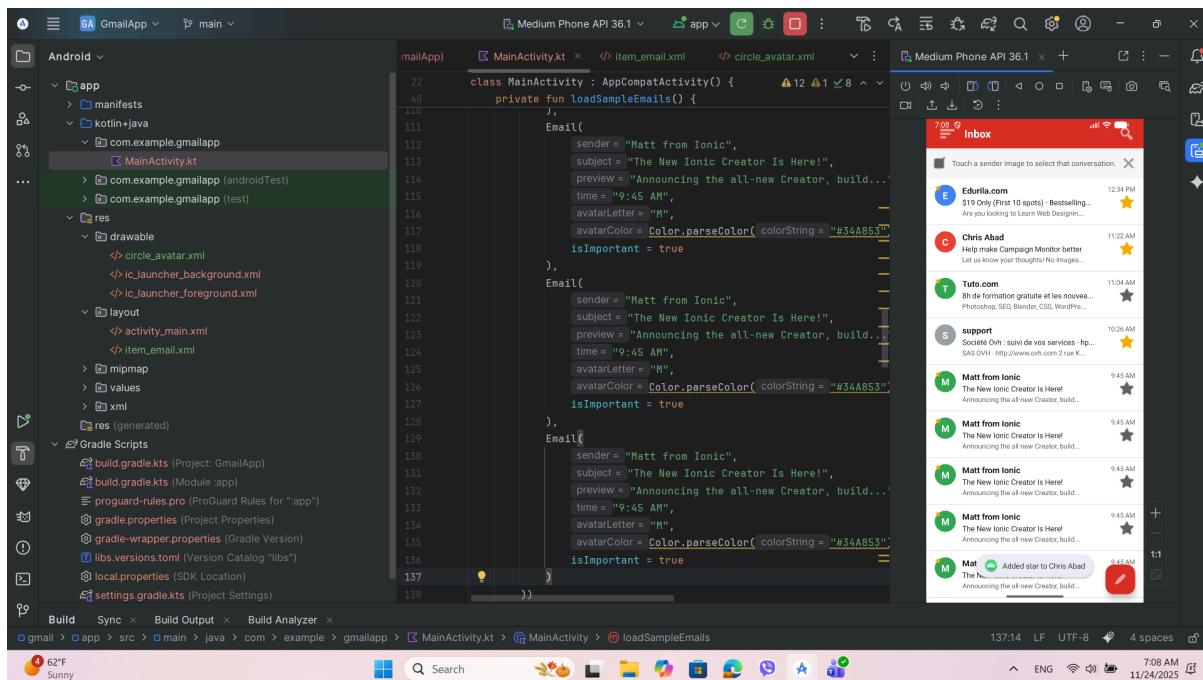
nhấn update để chỉnh sửa



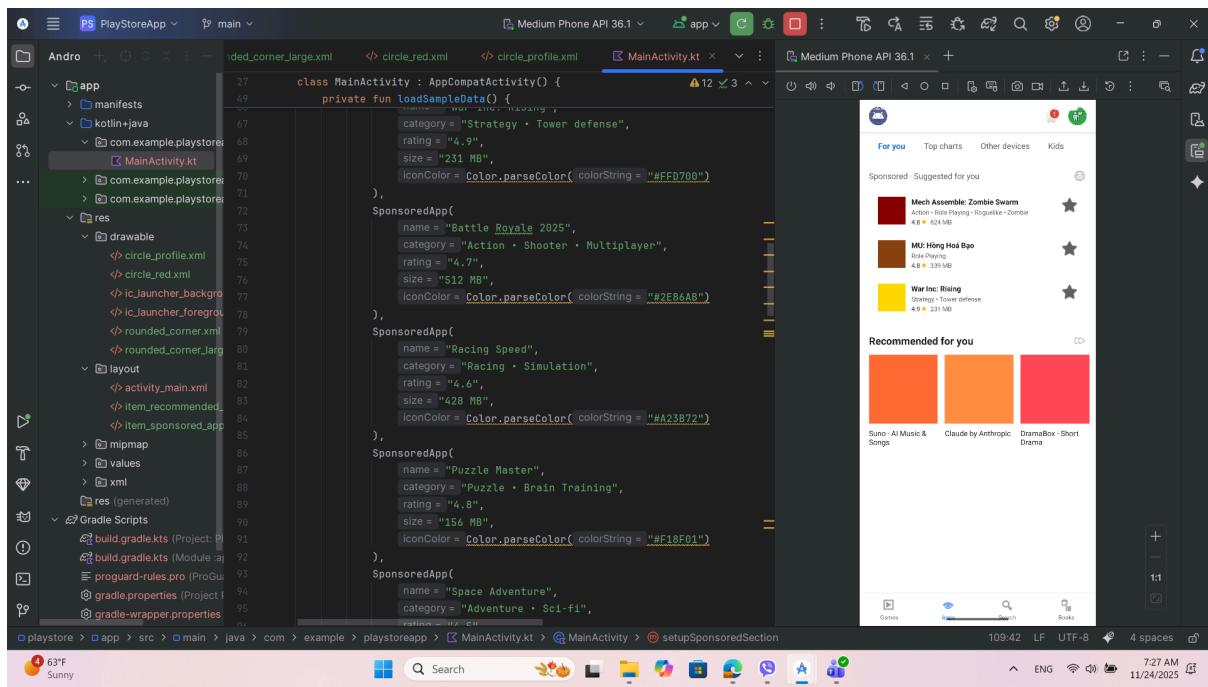
Bài 2 màn hình chính mail



bấm vào sao để đánh dấu mail quan trọng



Bài 3
trang chủ



sponsored app với dạng lưới, mỗi cột có 3 hàng, khi có thêm app thì sẽ scroll ngang sang phải

