



ANGGOTA KELOMPOK :

1. ADITYA PRATAMA WERDANA (312210670)
2. CINDY SETYOWATI (312210693)
3. JOSE JULIAN HIDAYAT (312210695)

KELAS : TI.22.C8

MATA KULIAH : PEMROGRAMAN MOBILE 2

DOSEN PENGAMPU :

DONNY MAULANA,S.KOM.,M.M.S.I.

PRODI : TEKNIK INFORMATIKA

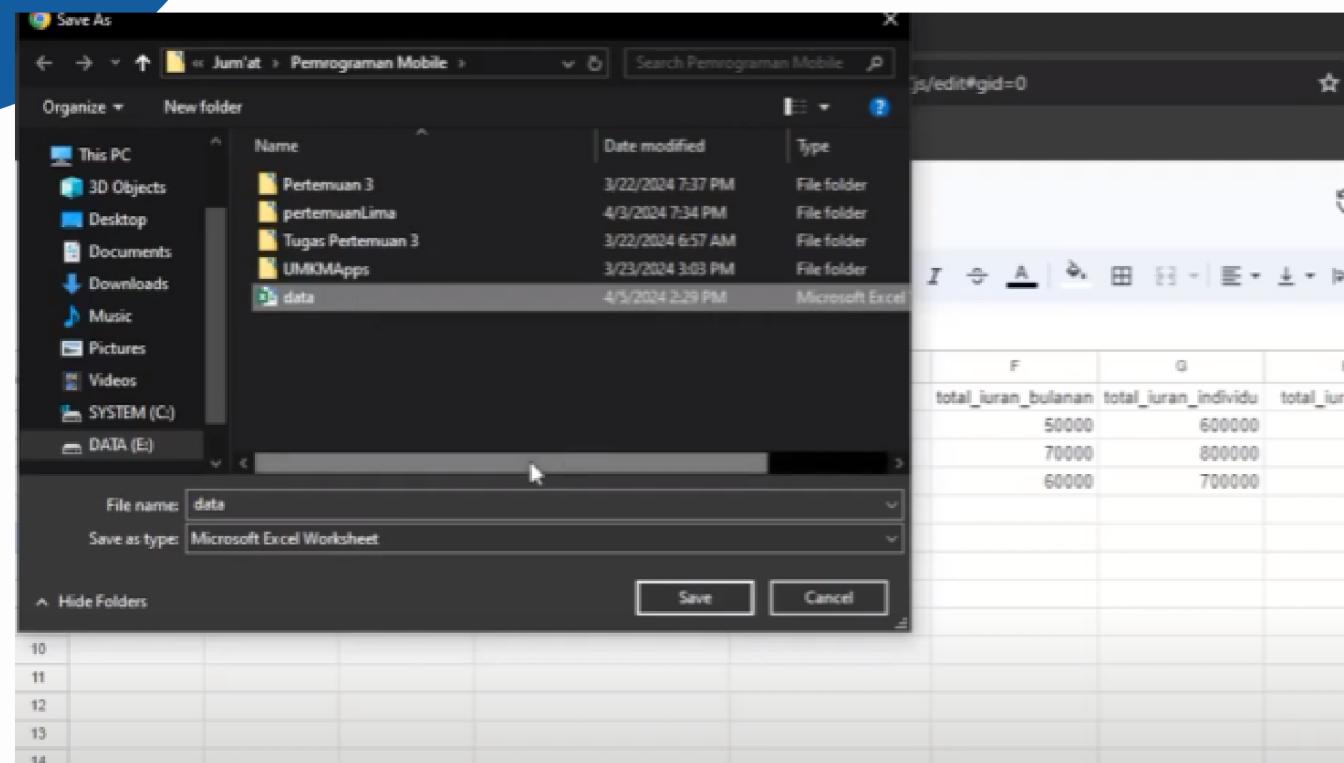
# PARSING JSON WITH API SPREADSHEET



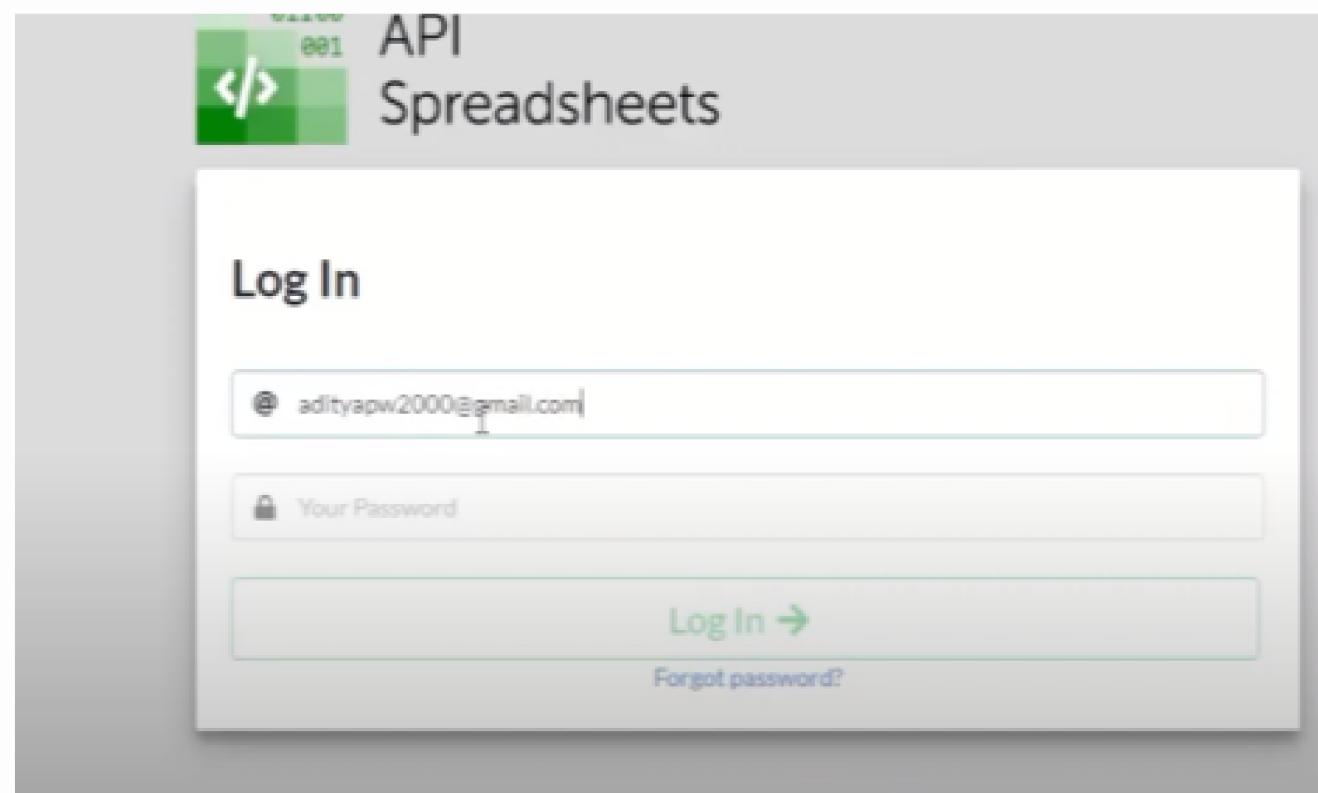
# Create Api SpreadSheet

The screenshot shows a web browser window with the following details:

- Address Bar:** apispreadsheets.com/files/UeTOHrhl7reErsC
- Header:** The title bar includes tabs for "data - Google Spreadsheet" and "API Spreadsheets".
- Toolbar:** Standard browser icons for back, forward, search, and refresh.
- Navigation:** Links to Gmail, YouTube, and Maps.
- Left Sidebar (Actions):**
  - Quickstart Code:** A collapsible section containing "File Info" and an "API Private?" toggle switch.
  - Actions:** A list of options:
    - File Data (NEW)
    - Change Sheet
    - File Options
    - Run Macros
    - Upload History
    - API Usage
    - Column Names
    - Webhook (PRO)
- Main Content Area:**
  - Create:** A tabbed section with "Create" selected, showing "Choose Data Format: Column Value".
  - Sample Request:** A section showing the "API URL" as https://api.apispreadsheets.com/data/UeTOHrhl7reErsC/.
  - Code Samples:** A section showing code snippets for various languages:
    - HTML:** <!DOCTYPE html> <html> <head> <title>Save Web Form Data to Spreadsheets</title> <script src="https://code.jquery.com/jquery-3.4.1.js" integrity="sha256-wptOhJ0gMqyKL9FccASB9O9KwACQ3pFTUBLTYOVvVU=" crossorigin="anonymous"></script> <script> function Subform () {
    - CURL:** curl -X POST https://api.apispreadsheets.com/data/UeTOHrhl7reErsC/
    - Python:** import requests requests.post("https://api.apispreadsheets.com/data/UeTOHrhl7reErsC/")
    - Javascript:** fetch('https://api.apispreadsheets.com/data/UeTOHrhl7reErsC/')
    - Ruby:** require 'uri' require 'net/http' uri = URI('https://api.apispreadsheets.com/data/UeTOHrhl7reErsC/') Net::HTTP.start(uri.host, uri.port, :use\_ssl => true) do |http| http.request(:post, uri.path)
    - PHP:** \$ch = curl\_init(); curl\_setopt(\$ch, CURLOPT\_URL, "https://api.apispreadsheets.com/data/UeTOHrhl7reErsC/"); curl\_exec(\$ch); curl\_close(\$ch);

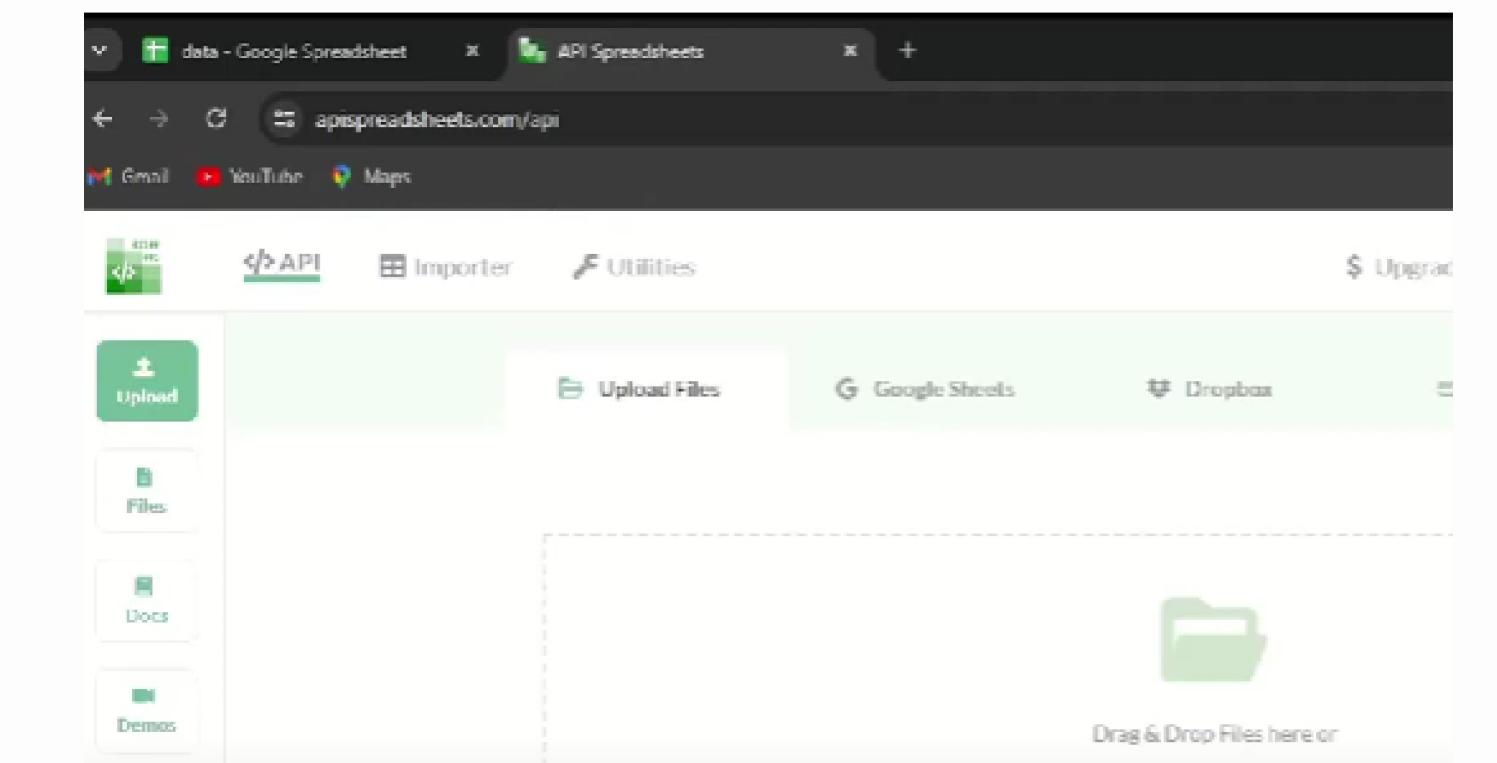


download spreadsheet

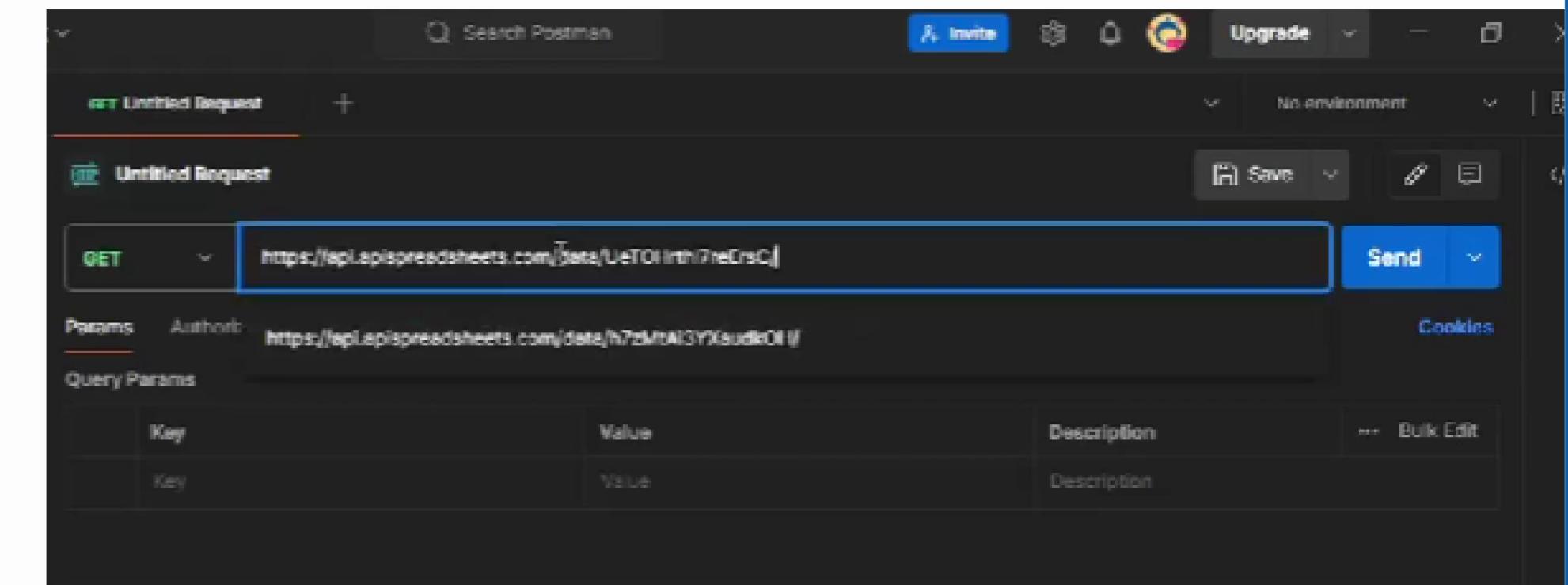


login Api SpreadSheet

# Create Api SpreadSheet



import spreadsheet to API SpreadSheet



check konektivitas API URL dengan POSTMAN

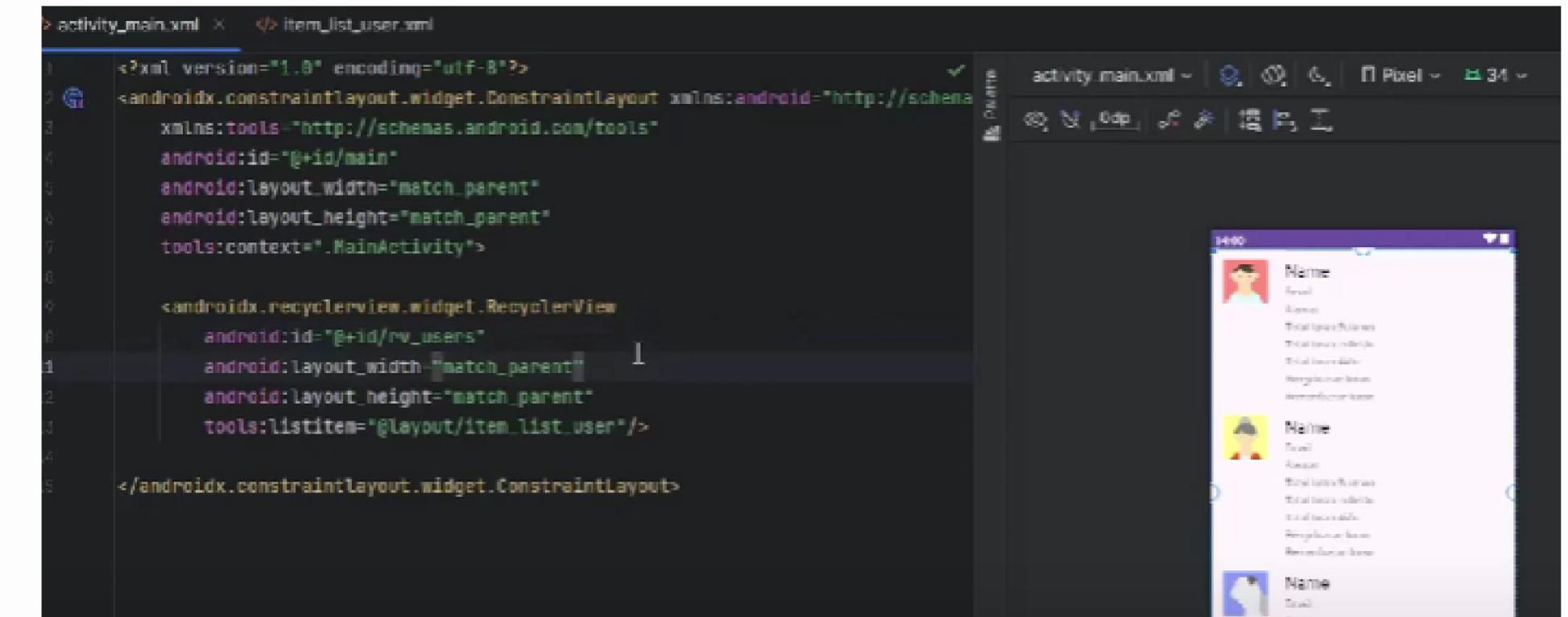


# Create API Layout and Connectivity Placeholder

```
activity_main.xml    </> item_list_user.xml x

    android:layout_height="wrap_content"
    android:layout_marginTop="4dp"
    android:textColor="#7E7E7E"
    android:textSize="14sp"
    app:layout_constraintStart_toStartOf="@+id/itemEmail"
    app:layout_constraintTop_toBottomOf="@+id/itemEmail"
    tools:text="Alamat"/>

<TextView
    android:id="@+id/itemTotalIuranBulanan"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="4dp"
    android:textColor="#7E7E7E"
    android:textSize="14sp"
    app:layout_constraintStart_toStartOf="@+id/itemAlamat"
    app:layout_constraintTop_toBottomOf="@+id/itemAlamat"
    tools:text="Total Iuran Bulanan"/> |
```



## Buat layout TextView

```
    override fun getItemCount(): Int = users.size

    @SuppressLint("SetTextI18n")
    override fun onBindViewHolder(holder: ListViewHolder, position: Int) {
        val user = users[position]
        Glide.with(holder.itemView.context).RequestManager
            .load(user.avatar).RequestBuilder<Drawable>
            .apply(RequestOptions().override( width: 80, height: 80).placeholder(
            .transform(CircleCrop()))
            .into(holder.ivAvatar)

        holder.tvUsername.text = "Nama : ${user.firstName} ${user.lastName}"
        holder.tvEmail.text = "Email : ${user.email}"
    }
}
```

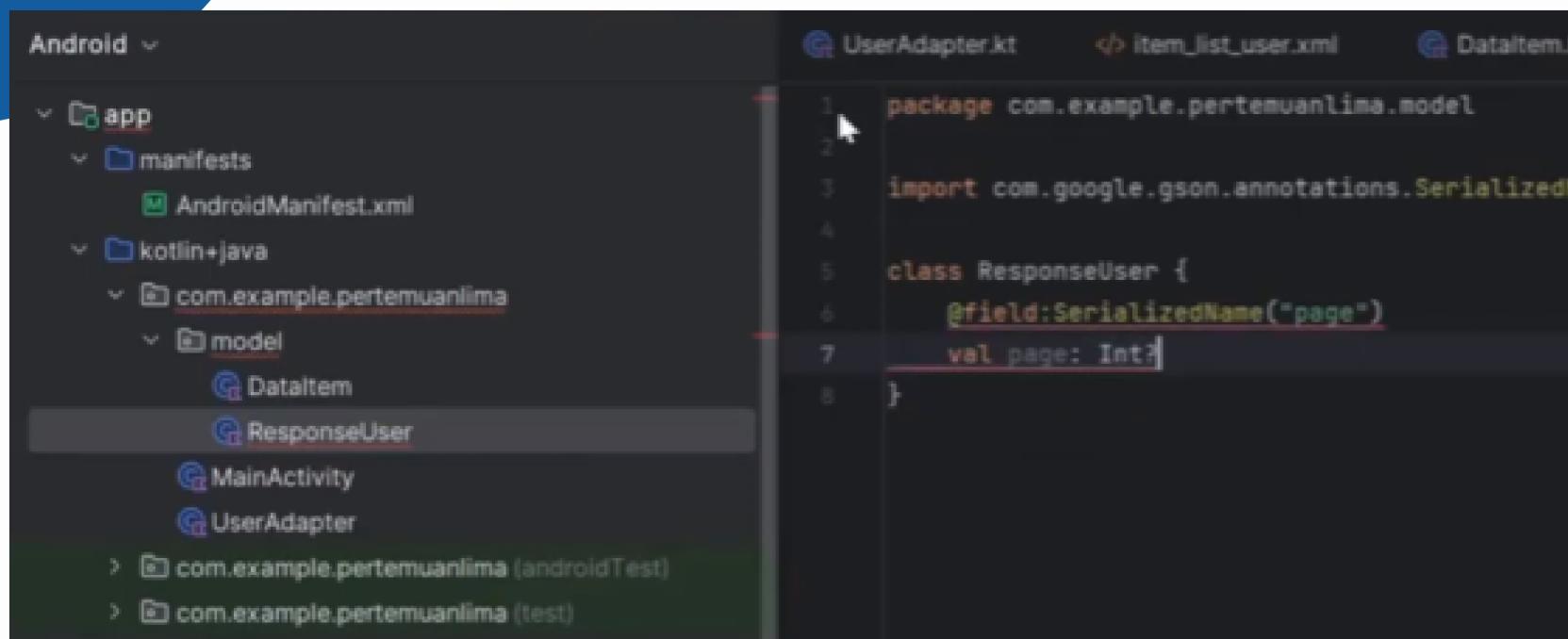


# Activity and Connectivity Placeholder User dengan API SpreadSheet

The screenshot shows the Android Studio interface. On the left, the project structure is displayed under the 'Android' tab. It includes the 'app' module with 'manifests', 'kotlin+java' (containing 'com.example.pertemuanlima' which has a 'model' package with 'DataItem', 'MainActivity', and 'UserAdapter'), and 'res' for resources. Below these are 'comexample.pertemuanlima (androidTest)' and 'comexample pertemuanlima (test)'. On the right, the code editor is open for 'DataItem.kt'. The code defines a class 'DataItem' with two properties: 'id' annotated with @SerializedName("id") and 'email' annotated with @SerializedName("email").

```
1 package com.example.pertemuanlima.model
2
3 import com.google.gson.annotations.SerializedName
4
5 class DataItem {
6     @SerializedName("id")
7     val id: Int? = null
8
9     @SerializedName("email")
10 }
```

# Membuat Model DataItem.kt



```
Android
app
manifests
AndroidManifest.xml
kotlin+java
com.example.pertemuanlima
model
Dataitem
ResponseUser
MainActivity
UserAdapter
com.example.pertemuanlima (androidTest)
com.example.pertemuanlima (test)

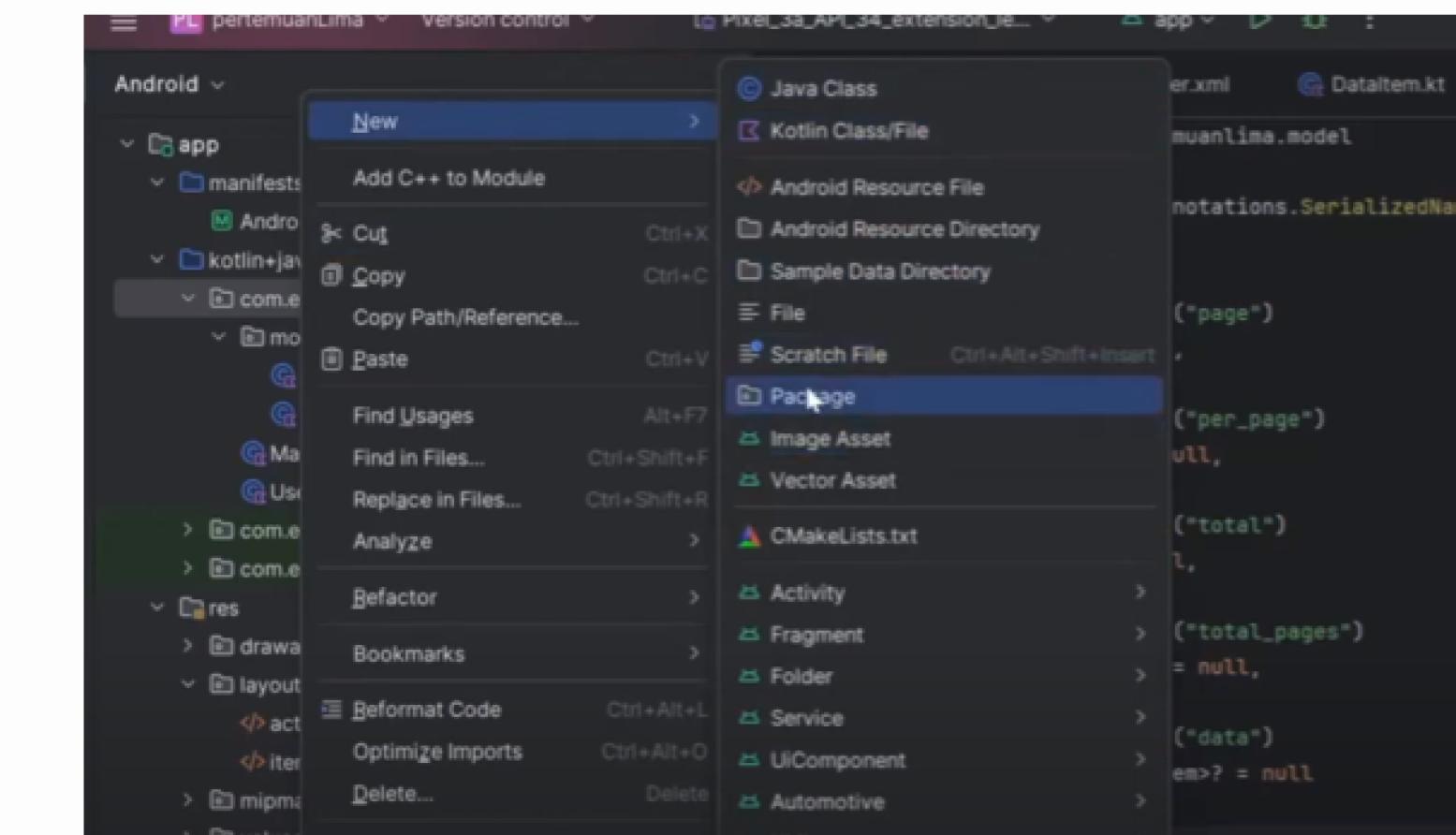
UserAdapter.kt item_list_user.xml Dataitem.kt

package com.example.pertemuanlima.model

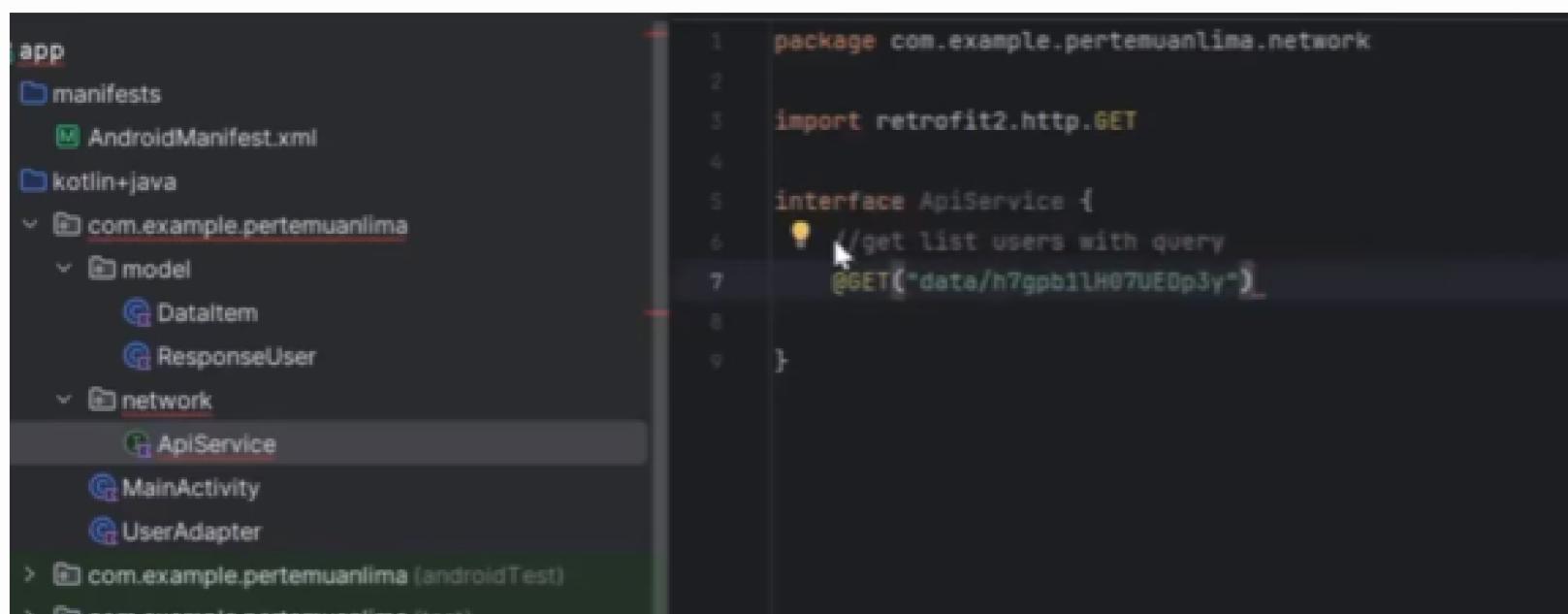
import com.google.gson.annotations.SerializedName

class ResponseUser {
    @SerializedName("page")
    val page: Int?
}
```

Buat ResponUser.Kt



Buat Package Network



```
app
manifests
AndroidManifest.xml
kotlin+java
com.example.pertemuanlima
model
Dataitem
ResponseUser
network
ApiService
MainActivity
UserAdapter
com.example.pertemuanlima (androidTest)
com.example.pertemuanlima (test)

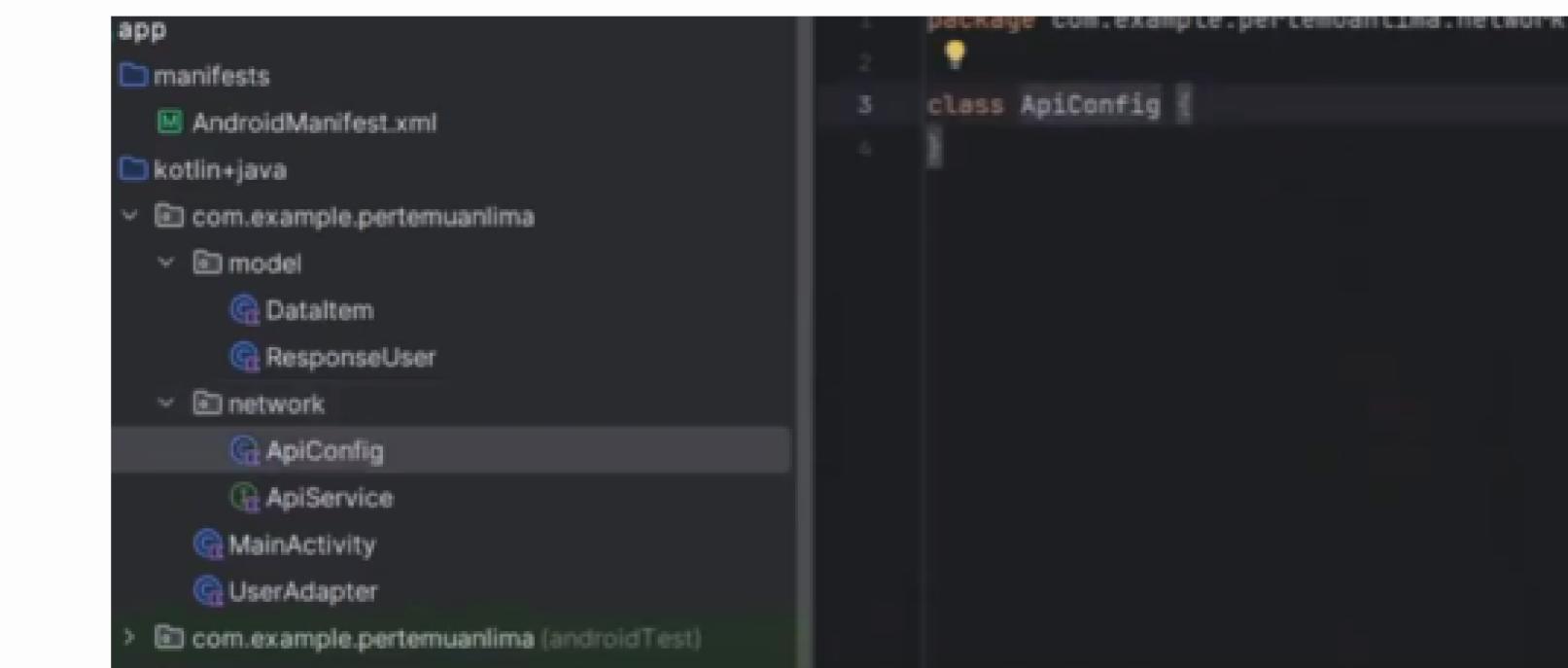
ApiService.kt

package com.example.pertemuanlima.network

import retrofit2.http.GET

interface ApiService {
    @GET("get list users with query")
    @GET("data/h7gpb1LH07UE0p3y")
}
```

Konfigurasi ApiService dalam Package Network

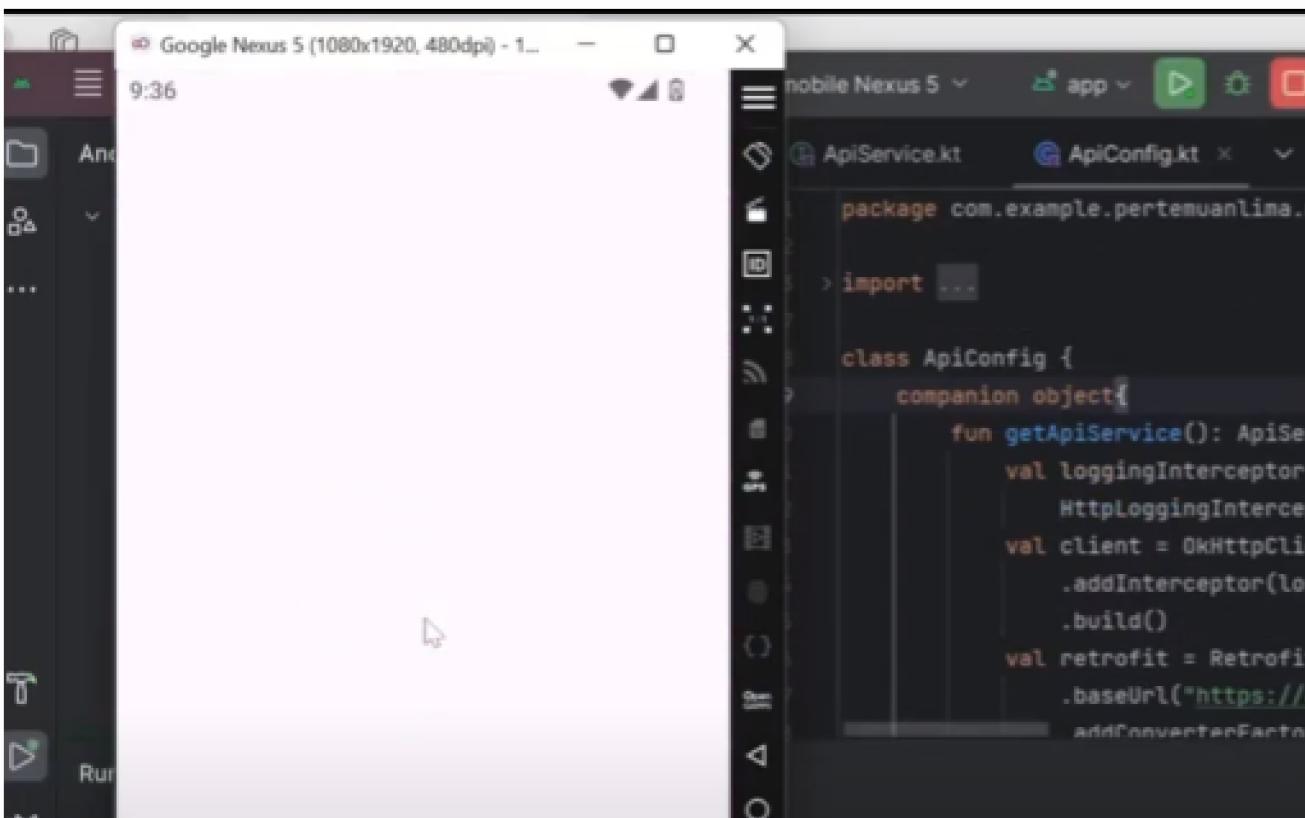
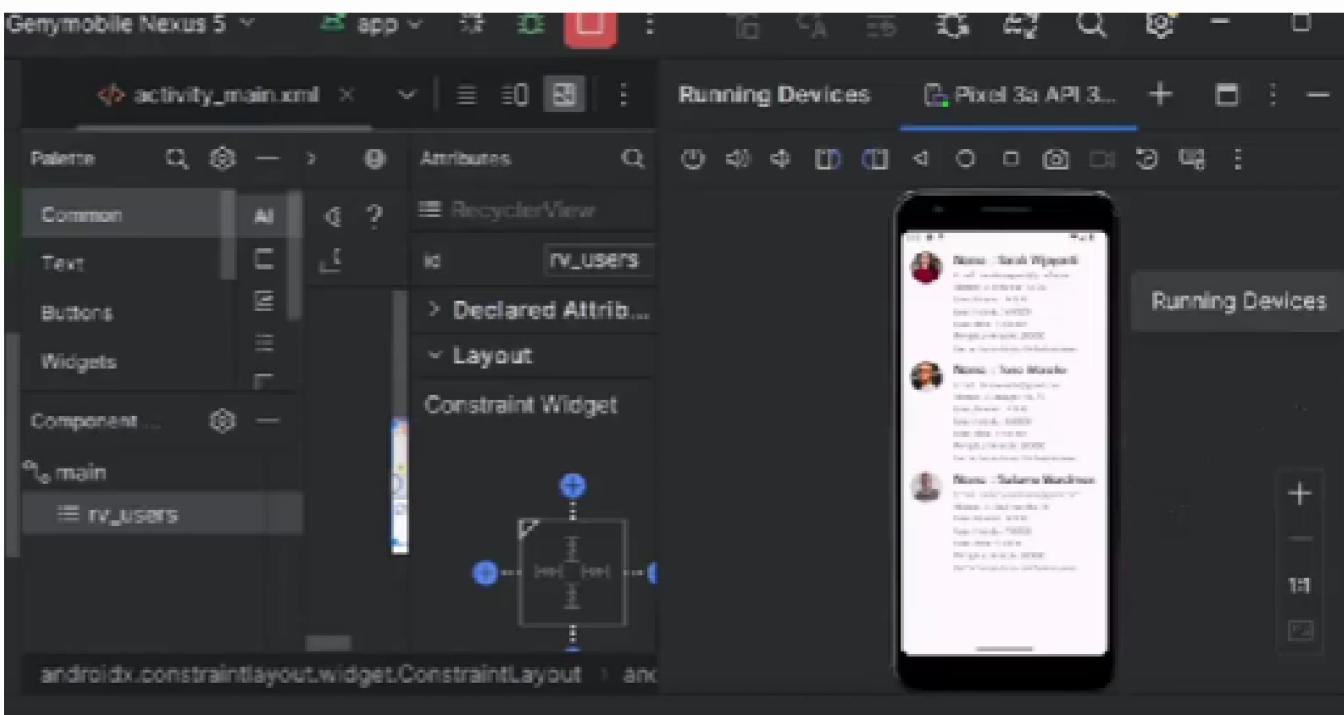
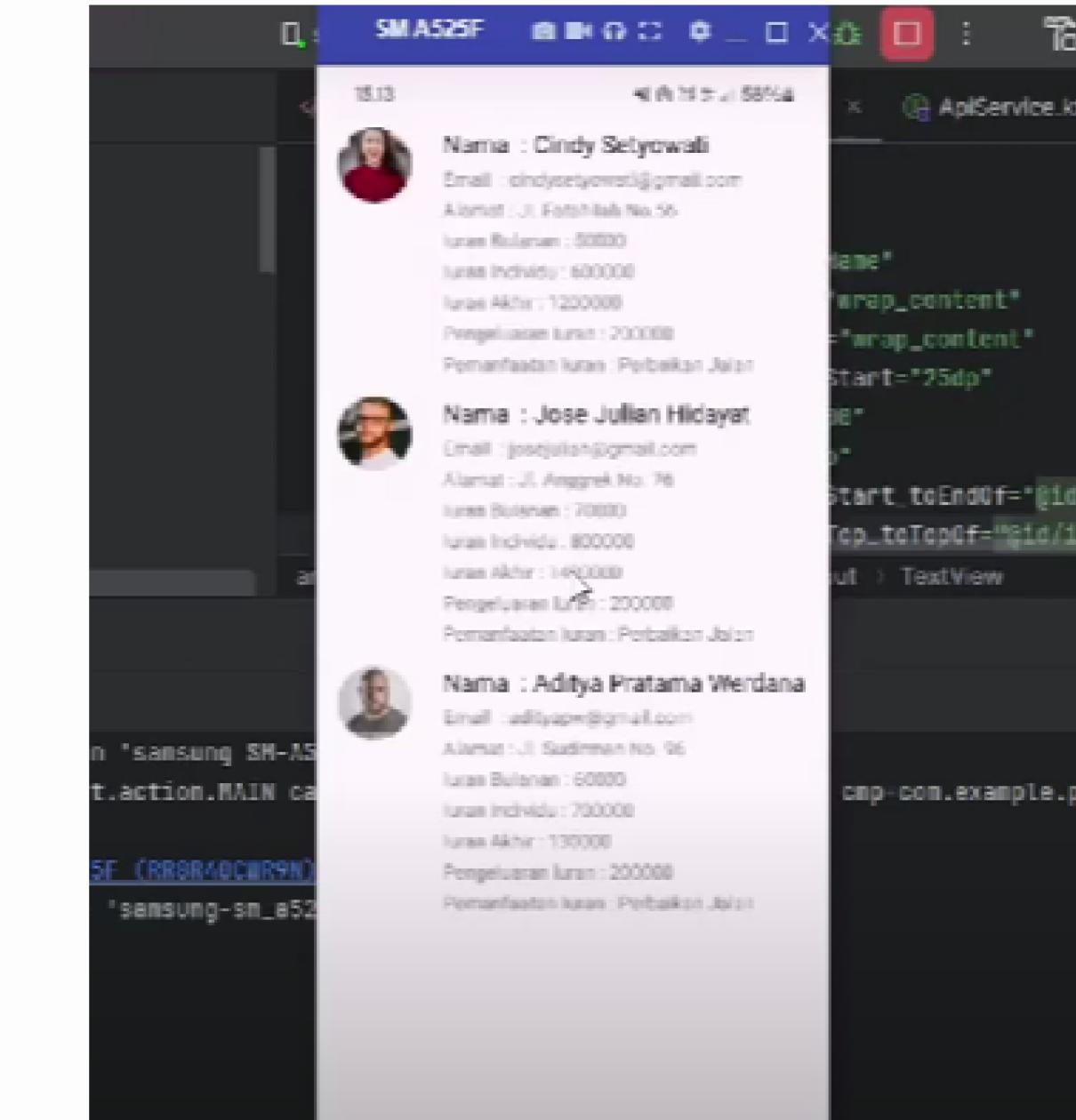


```
app
manifests
AndroidManifest.xml
kotlin+java
com.example.pertemuanlima
model
Dataitem
ResponseUser
network
ApiConfig
ApiService
MainActivity
UserAdapter
com.example.pertemuanlima (androidTest)

ApiConfig.kt

class ApiConfig { }
```

Konfigurasi ApiConfig

**Running With Emulator Genymotion****Running Device Manager at Android Studio****Running Real Device**



thank  
you

