

COMPTE RENDU TP6

Ibrahim Taktak

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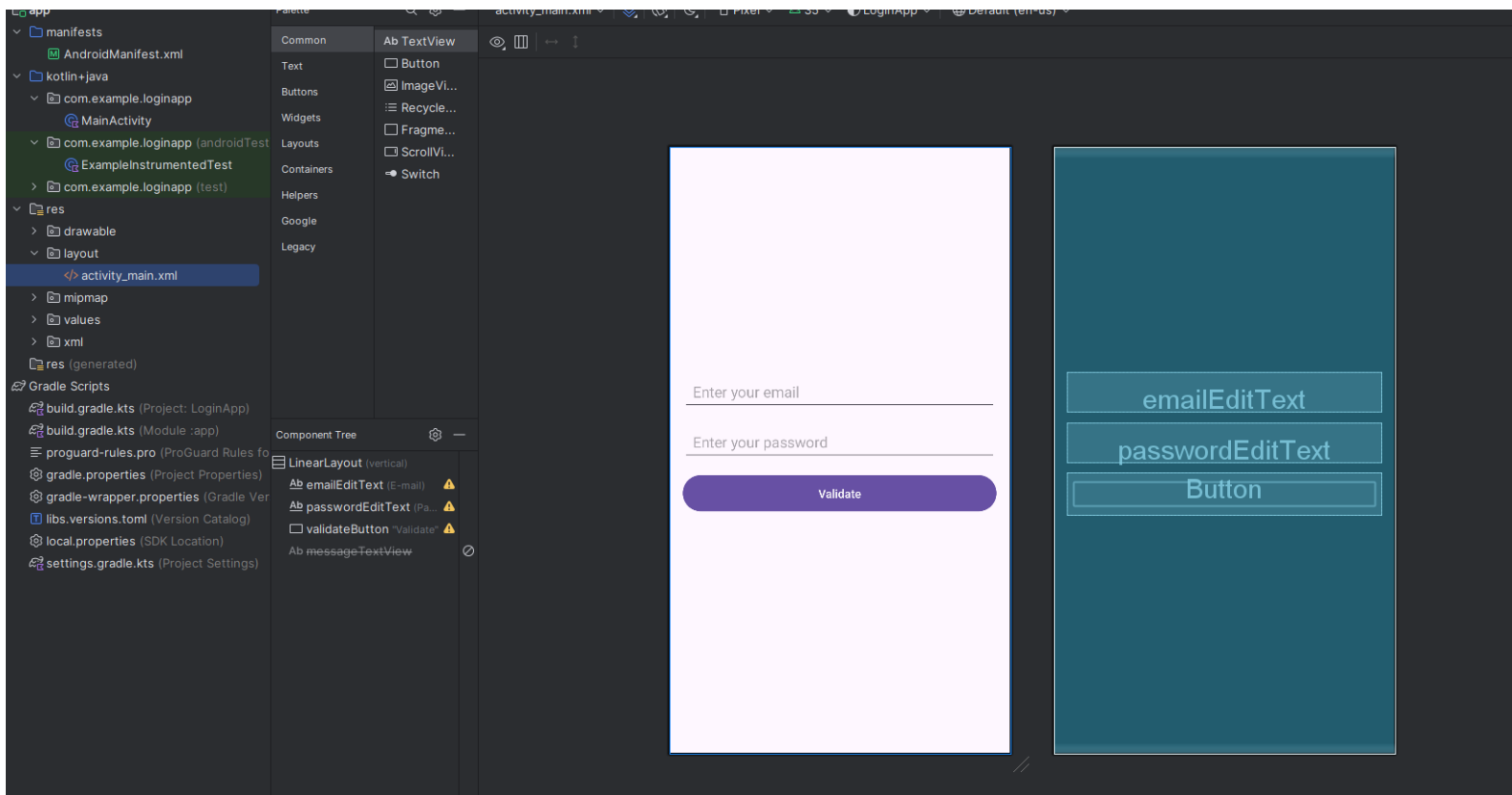
École Nationale d'Électronique et de
Télécommunication de Sfax

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EXERCICE 1

1. Ficher activiter_main.xml :



2. Ficher MainActivity.kt :

```
1 package com.example.loginapp
2
3 import android.os.Bundle
4 import android.widget.Button
5 import android.widget.EditText
6 import android.widget.TextView
7 import android.widget.Toast
8 import androidx.appcompat.app.AppCompatActivity
9
10 class MainActivity : AppCompatActivity() {
11     override fun onCreate(savedInstanceState: Bundle?) {
12         super.onCreate(savedInstanceState)
13         setContentView(R.layout.activity_main)
14         // Link UI elements with their IDs
15         val emailEditText = findViewById<EditText>(R.id.emailEditText)
16         val passwordEditText = findViewById<EditText>(R.id.passwordEditText)
17         val validateButton = findViewById<Button>(R.id.validateButton)
18         val messageTextView = findViewById<TextView>(R.id.messageTextView)
19         // Handle button click
20         validateButton.setOnClickListener {
21             val email = emailEditText.text.toString().trim()
22             val password = passwordEditText.text.toString().trim()
23             // Validate email
24             if (email.isEmpty() || !android.util.Patterns.EMAIL_ADDRESS.matcher(email).matches()) {
25                 Toast.makeText(this, text: "Please enter a valid email", Toast.LENGTH_SHORT).show()
26                 return@setOnClickListener
27             }
28             // Validate password
29             if (password.isEmpty() || password.length < 6) {
30                 Toast.makeText(this, text: "Password must be at least 6 characters long", Toast.LENGTH_SHORT).show()
31                 return@setOnClickListener
32             }
33             messageTextView.text = "Login Successful"
34             messageTextView.setTextColor(resources.getColor(android.R.color.holo_green_dark))
35             messageTextView.visibility = TextView.VISIBLE
36         }
37     }
38 }
```

3. Test et résultat de l'application :

