

# UNIVERSITY MALAYSIA TERENGGANU FACULTY OF COMPUTER SCIENCE & MATHEMATICS

# NATIVE MOBILE PROGRAMMING CSM 3123

LAB REPORT 5

https://github.com/arfhnfh/CSM3123-Arifah-S66428-Lab5

Prepared by:

NUR ARIFAH BINTI MOHD HANAFIAH S66428

Prepared for:

DR RABIEI BIN MAMAT

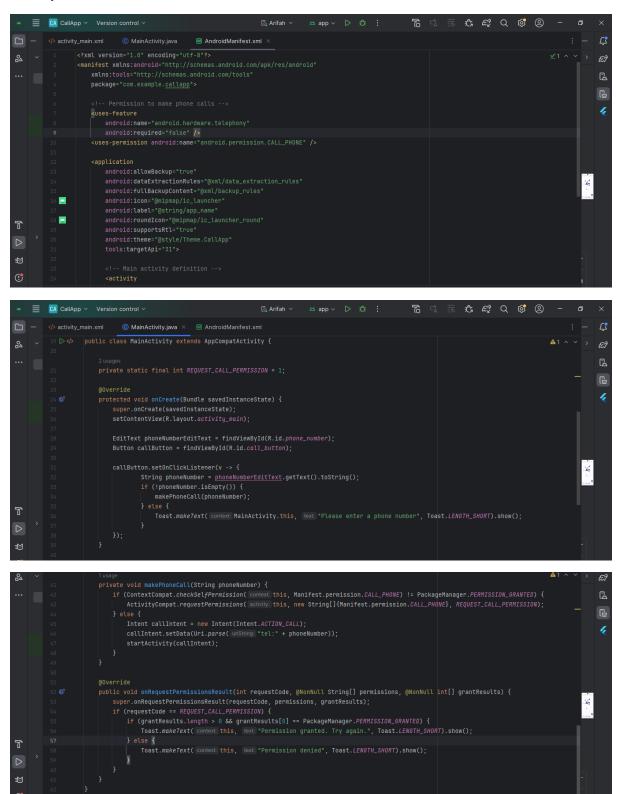
BACHELOR OF COMPUTER SCIENCE (MOBILE COMPUTING) WITH HONORS
SEMESTER I 2024/2025

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■ CS DialApp
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                                                                                          import android.widget.Button;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (<u>L</u>
                                                                                                        protected void onCreate(Bundle savedInstanceState) {
   super.onCreate(savedInstanceState);
                                                                                                                       Button dialButton = findViewById(R.id.dial_button);
                                                                                                                         dialButton.setOnClickListener( v -> {
                                                                                                                                                      String phoneNumber = <a href="mailto:phoneNumber = phoneNumberEditText">phoneNumber = phoneNumber = 
T
                                                                                                                                                                     Intent dialIntent = new Intent(Intent.ACTION_DIAL);
dialIntent.setData(Uri.parse( uriString: "tel:" + phoneNumber));
                  ■ CS DialApp ~
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ■ 10 20 | : -
                                                                                <?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.Constraintlayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
                                                                                               xmlns:tools="http://schemas.android.com/tools"
android:id="@+id/main"
                                                                                               android:layout_width="match_parent"
android:layout_height="match_parent"
                                                                                                                android:layout_height="match_parent"
android:orientation="vertical"
                                                                                                                android:padding="16dp"
app:layout_constraintTop_toTopOf="parent"
T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (0)
                                                                                                                               android:id="@+id/dial_button"
android:layout_width="wrap_content"
                                                                                                                               android:layout_gravity="center_horizontal"
android:layout_marginTop="16dp" />
```

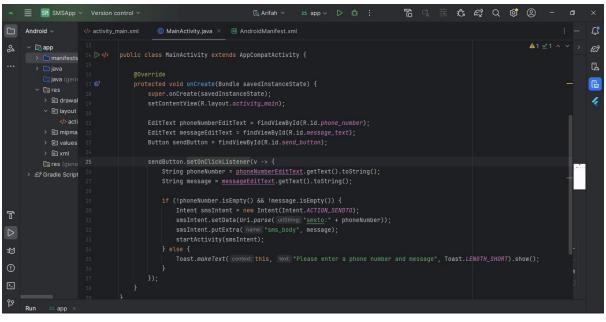


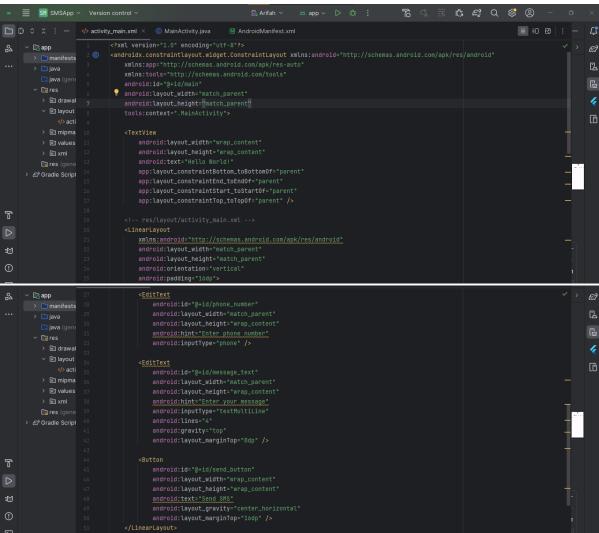
























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■ SM SMSManagerApp 

✓ Version control

           ∨ Capp 17 ▷♦ public class MainActivity extends AppCompatActivity {
84
                                                                                                                                                                                                                                                                                                                                     E?
                                                                                                                                                                                                                                                                                                                                     (<u>L</u>
                                                             protected void onCreate(Bundle savedInstanceState) {
   super.onCreate(savedInstanceState);
                                                                    EditText messageEditText = findViewById(R.id.message_text);
Button sendButton = findViewById(R.id.send_button);
                                                                    sendButton.setOnClickListener(v -> {
   String phoneNumber = <u>phoneNumberEditText</u>.getText().toString();
   String message = <u>messageEditText</u>.getText().toString();
T
                                                                             if (!phoneNumber.isEmpty() && !message.isEmpty()) {
    if (ContextCompat.checkSelfPermission(context this, Manifest.permission.SEND_SMS) != PackageManager.PERMISSION_GRANTE(
                                                                                                                                                                                                                                                                                                                                    E?
                  > 🖹 c
                                                                    SmsManager smsManager = SmsManager.getUefquIt();
smsManager.sendTextMessage(phoneNumber, scAddress.null, message, sendintent null, deliveryIntent null);
Toast.makeText(context this, text: "SMS sent successfully", Toast.LENGTH_SHORT).show();
} catch (Exception e) {
Toast.makeText(context this, text: "Failed to send SMS: " + e.getMessage(), Toast.LENGTH_SHORT).show();
                   📭 java
                                                                     super.onRequestPermissionsResult(requestCode, permissions, grantResults);
if (requestCode == SMS_PERMISSION_CODE) {
   if (grantResults.length > 0 && grantResults[0] == PackageManager.PERMISSION_GRANTED) {
```

