# Develop a mobile application to send an email

<?xml version="1.0" encoding="utf-8"?>

<RelativeLayout xmlns:android="<http://schemas.android.com/apk/res/android>" xmlns:tools="<http://schemas.android.com/tools>" android:layout\_width="match\_parent"

android:layout\_height="match\_parent" tools:context=".MainActivity">

<EditText android:id="@+id/editTextRecipient" android:layout\_width="match\_parent" android:layout\_height="wrap\_content" android:hint="Recipient Email" android:layout\_margin="16dp"/>

<EditText android:id="@+id/editTextSubject" android:layout\_width="match\_parent" android:layout\_height="wrap\_content" android:hint="Subject"

android:layout\_below="@id/editTextRecipient" android:layout\_margin="16dp"/>

<EditText android:id="@+id/editTextMessage" android:layout\_width="match\_parent" android:layout\_height="wrap\_content" android:hint="Message"

android:layout\_below="@id/editTextSubject" android:layout\_margin="16dp"/>

<Button android:id="@+id/buttonSend"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Send Email" android:layout\_below="@id/editTextMessage" android:layout\_centerHorizontal="true" android:layout\_marginTop="32dp"/>

</RelativeLayout>

# Mainactivity

package com.example.myapplication; import android.os.Bundle;

import androidx.activity.EdgeToEdge;

import androidx.appcompat.app.AppCompatActivity; import androidx.core.graphics.Insets;

import androidx.core.view.ViewCompat;

import androidx.core.view.WindowInsetsCompat; import android.content.Intent;

import android.os.Bundle; import android.widget.Button; import android.widget.EditText;

import androidx.appcompat.app.AppCompatActivity; public class MainActivity extends AppCompatActivity {

// define objects for edit text and button Button button;

EditText sendto, subject, body;

@Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity\_main);

// Getting instance of edittext and button sendto = findViewById(R.id.editTextRecipient); subject = findViewById(R.id.editTextSubject); body = findViewById(R.id.editTextMessage);

button = findViewById(R.id.buttonSend);

// attach setOnClickListener to button with Intent object define in it button.setOnClickListener(view -> {

String emailSendTo = sendto.getText().toString().trim(); String emailSubject = subject.getText().toString().trim(); String emailBody = body.getText().toString().trim();

// Check if email fields are not empty

if (emailSendTo.isEmpty() || emailSubject.isEmpty() || emailBody.isEmpty()) {

// Show a toast message or handle empty fields as needed return;

}

// define Intent object with action attribute as ACTION\_SEND Intent intent = new Intent(Intent.ACTION\_SEND);

// add three fields to intent using putExtra function intent.putExtra(Intent.EXTRA\_EMAIL, new String[]{emailSendTo}); intent.putExtra(Intent.EXTRA\_SUBJECT, emailSubject); intent.putExtra(Intent.EXTRA\_TEXT, emailBody);

// set type of intent intent.setType("message/rfc822");

// startActivity with intent with chooser as Email client using createChooser function startActivity(Intent.createChooser(intent, "Choose an Email client :"));

});

}

}