

MOBIL APP DEVELOPMENET LAB

WEEK 5: Create “Send SMS” App

Objective: Design and Development of Send SMS App using implicit Intent.

PROCEDURE:

Step 1: Open Android Studio

Step 2: In the main Welcome to Android Studio window, click **New Project**

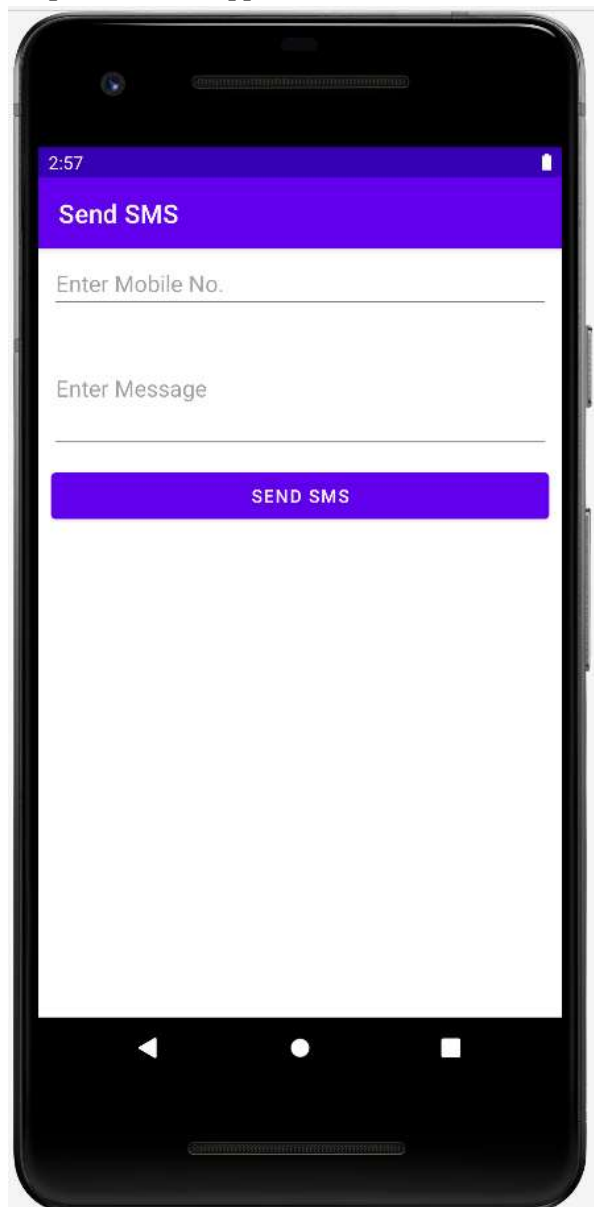
Step 3: choose Empty Activity

Step 4: Enter Project Details

Step 5: Design UI and Write Code for MainActivity

Step 6: Create and Select Android Virtual Device (Emulator)

Step 7: Run the App on the Virtual Device



Procedure:

Step 5: Design UI in MainActivity

Open `activity_main.xml` → Select Design View

```
<?xml version="1.0" encoding="utf-8" ?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:layout_margin="10dp"
    tools:context=".MainActivity">

    <EditText
        android:id="@+id/textMobileNo"
        android:hint="Enter Mobile No."
        android:layout_width="match_parent"
        android:inputType="phone"
        android:layout_height="40dp"></EditText>

    <EditText
        android:id="@+id/textMessage"
        android:hint="Enter Message"
        android:layout_width="match_parent"
        android:inputType="textMultiLine"
        android:layout_marginTop="10dp"
        android:layout_height="100dp"></EditText>

    <Button
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:onClick="SendSMS"
        android:text="SEND SMS"
        android:layout_marginTop="10dp"
    ></Button>

</LinearLayout>
```

6. Open `MainActivity.java` and write Code

```
package com.example.sendsmsdemo;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.net.Uri;
import android.os.Bundle;
import android.view.View;
import android.widget.EditText;

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
}
```

```
public void SendSMS(View view){

    EditText textMobileNo = findViewById(R.id.textMobileNo);
    EditText textMessage = findViewById(R.id.textMessage);

    String mobileNo = textMobileNo.getText().toString();
    String message = textMessage.getText().toString();

    Intent intent=new Intent(Intent.ACTION_VIEW,
Uri.fromParts("sms",mobileNo,null));
    intent.putExtra("sms_body",message);
    startActivity(intent);
}
}
```