# GPS

Manifest.xml

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

<manifest xmlns:android="http://schemas.android.com/apk/res/android"

    xmlns:tools="http://schemas.android.com/tools" >

    <uses-permission android:name="android.permission.ACCESS\_COARSE\_LOCATION"/>

    <uses-permission android:name="android.permission.ACCESS\_FINE\_LOCATION"/>

    <application

        android:allowBackup="true"

        android:dataExtractionRules="@xml/data\_extraction\_rules"

        android:fullBackupContent="@xml/backup\_rules"

        android:icon="@mipmap/ic\_launcher"

        android:label="@string/app\_name"

        android:roundIcon="@mipmap/ic\_launcher\_round"

        android:supportsRtl="true"

        android:theme="@style/Theme.MyApplication"

        tools:targetApi="31" >

        <activity

            android:name=".MainActivity2"

            android:exported="false"

            android:label="@string/title\_activity\_main2"

            android:theme="@style/Theme.MyApplication.NoActionBar" />

        <activity

            android:name=".MainActivity"

            android:exported="true" >

            <intent-filter>

                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER" />

            </intent-filter>

        </activity>

    </application>

</manifest>

Activitymain.xml

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

<androidx.constraintlayout.widget.ConstraintLayout 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"

    tools:context=".MainActivity">

    <TextView

        android:id="@+id/textView2"

        android:layout\_width="wrap\_content"

        android:layout\_height="wrap\_content"

        android:text="SMS App"

        android:textAppearance="@style/TextAppearance.AppCompat.Display1" android:textColor="#067A6A"

        app:layout\_constraintBottom\_toBottomOf="parent"

        app:layout\_constraintLeft\_toLeftOf="parent"

        app:layout\_constraintRight\_toRightOf="parent"

        app:layout\_constraintTop\_toTopOf="parent"

        app:layout\_constraintVertical\_bias="0.096" />

    <TextView

        android:id="@+id/textView"

        android:layout\_width="wrap\_content"

        android:layout\_height="wrap\_content"

        android:layout\_marginTop="28dp"

        android:layout\_marginEnd="140dp"

        android:text="Send an SMS"

        android:textAppearance="@style/TextAppearance.AppCompat.Large"

        android:textColor="#0C675A"

        app:layout\_constraintEnd\_toEndOf="parent"

        app:layout\_constraintTop\_toBottomOf="@+id/textView2" />

    <TextView

        android:id="@+id/phno"

        android:layout\_width="wrap\_content"

        android:layout\_height="wrap\_content"

        android:layout\_marginStart="44dp"

        android:layout\_marginTop="44dp"

        android:text="Phone Number:"

        android:textAppearance="@style/TextAppearance.AppCompat.Medium"

        android:textColor="#304FFE"

        app:layout\_constraintStart\_toStartOf="parent"

        app:layout\_constraintTop\_toBottomOf="@+id/textView" />

    <TextView

        android:id="@+id/smstv"

        android:layout\_width="wrap\_content"

        android:layout\_height="wrap\_content"

        android:layout\_marginStart="44dp"

        android:layout\_marginTop="104dp"

        android:text="SMS Content:"

        android:textAppearance="@style/TextAppearance.AppCompat.Medium" android:textColor="#304FFE"

        app:layout\_constraintStart\_toStartOf="parent"

        app:layout\_constraintTop\_toBottomOf="@+id/textView" />

    <EditText

        android:id="@+id/etPhone"

        android:layout\_width="199dp"

        android:layout\_height="39dp"

        android:layout\_marginStart="12dp"

        android:layout\_marginTop="36dp"

        android:ems="10"

        android:inputType="phone"

        android:textAppearance="@style/TextAppearance.AppCompat.Body1" app:layout\_constraintStart\_toEndOf="@+id/phno"

        app:layout\_constraintTop\_toBottomOf="@+id/textView" />

    <EditText

        android:id="@+id/content"

        android:layout\_width="341dp"

        android:layout\_height="123dp"

        android:layout\_marginTop="68dp"

        android:layout\_marginEnd="32dp"

        android:ems="10"

        android:gravity="start|top"

        android:hint="Type here"

        android:inputType="textMultiLine"

        android:textAppearance="@style/TextAppearance.AppCompat.Body1" app:layout\_constraintEnd\_toEndOf="parent"

        app:layout\_constraintTop\_toBottomOf="@+id/etPhone" />

    <Button

        android:id="@+id/sendbtn"

        android:layout\_width="wrap\_content"

        android:layout\_height="wrap\_content"

        android:layout\_marginTop="48dp"

        android:layout\_marginEnd="160dp"

        android:backgroundTint="#00BFA5"

        android:text="SEND"

        app:layout\_constraintEnd\_toEndOf="parent"

        app:layout\_constraintTop\_toBottomOf="@+id/content" />

</androidx.constraintlayout.widget.ConstraintLayout>

MainActivity.java

// Package declaration

package com.example.myapplication;

// Import statements for necessary Android and Java classes

import android.content.pm.PackageManager;

import android.location.Address;

import android.location.Geocoder;

import android.location.Location;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.TextView;

import android.widget.Toast;

import androidx.annotation.NonNull;

import androidx.appcompat.app.AppCompatActivity;

import androidx.core.app.ActivityCompat;

import androidx.core.content.ContextCompat;

import com.google.android.gms.location.FusedLocationProviderClient;

import com.google.android.gms.location.LocationServices;

import com.google.android.gms.tasks.OnSuccessListener;

import java.io.IOException;

import java.util.List;

import java.util.Locale;

// Class declaration for MainActivity, which extends AppCompatActivity

public class MainActivity extends AppCompatActivity {

    // Constant for location permission request code

    // Instance variables for UI elements

    private FusedLocationProviderClient fusedLocationProviderClient;

    private EditText locationNameEditText;

    private Button searchLocationButton;

    private TextView latitudeTextView, longitudeTextView, searchLatitudeTextView, searchLongitudeTextView;

    // Overridden method called when the activity is created

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        // Set the content view to the layout defined in activity\_main.xml

        setContentView(R.layout.activity\_main);

        // Initialize UI elements

        fusedLocationProviderClient = LocationServices.getFusedLocationProviderClient(this);

        locationNameEditText = findViewById(R.id.locationNameEditText);

        searchLocationButton = findViewById(R.id.searchLocationButton);

        latitudeTextView = findViewById(R.id.latitudeTextView);

        longitudeTextView = findViewById(R.id.longitudeTextView);

        searchLatitudeTextView = findViewById(R.id.searchLatitudeTextView);

        searchLongitudeTextView = findViewById(R.id.searchLongitudeTextView);

        // Set click listeners for buttons using lambda expressions

        findViewById(R.id.getLocationButton).setOnClickListener(view -> getLocation());

        searchLocationButton.setOnClickListener(view -> searchLocation());

    }

    // Method to get the device's current location

    private void getLocation() {

        // Check if the app has the necessary location permission

        if (ContextCompat.checkSelfPermission(this,

                android.Manifest.permission.ACCESS\_FINE\_LOCATION) == PackageManager.PERMISSION\_GRANTED) {

            // If permission is granted, attempt to get the last known location

            fusedLocationProviderClient.getLastLocation().addOnSuccessListener(this, location -> {

                // Check if a location is obtained

                if (location != null) {

                    // Update UI with the obtained location

                    updateLocationInfo(location.getLatitude(), location.getLongitude());

                } else {

                    // Display a message if the location is not available

                    showToast("Location not available");

                }

            });

        } else {

            // If permission is not granted, request location permission

            requestLocationPermission();

        }

    }

    // Method to search for a location based on a user-entered name

    private void searchLocation() {

        // Get the location name entered by the user

        String locationName = locationNameEditText.getText().toString().trim();

        // Check if the location name is not empty

        if (!locationName.isEmpty()) {

            // Use Geocoder to convert the location name to coordinates

            Geocoder geocoder = new Geocoder(this, Locale.getDefault());

            try {

                // Attempt to get a list of addresses for the location name

                List<Address> addresses = geocoder.getFromLocationName(locationName, 1);

                // Check if addresses are obtained

                if (!addresses.isEmpty()) {

                    // Get the first address and update UI with its coordinates

                    Address address = addresses.get(0);

                    updateLocationInfo(address.getLatitude(), address.getLongitude());

                } else {

                    // Display a message if the location is not found

                    showToast("Location not found");

                }

            } catch (IOException e) {

                // Handle geocoding error and display a message

                e.printStackTrace();

                showToast("Geocoding error");

            }

        } else {

            // Display a message if the location name is empty

            showToast("Please enter a location name");

        }

    }

    // Method to request location permission

    private void requestLocationPermission() {

        ActivityCompat.requestPermissions(this, new String[] {

                android.Manifest.permission.ACCESS\_FINE\_LOCATION

        }, 1);

    }

    // Overridden method called when permission request result is received

    @Override

    public void onRequestPermissionsResult(int requestCode, @NonNull String[] permissions,

            @NonNull int[] grantResults) {

        super.onRequestPermissionsResult(requestCode, permissions, grantResults);

        // Check if the permission request is for location and if it's granted

        if (requestCode == 1 && grantResults.length > 0 &&

                grantResults[0] == PackageManager.PERMISSION\_GRANTED) {

            // If permission is granted, attempt to get the location again

            getLocation();

        } else {

            // Display a message if location permission is denied

            showToast("Location permission denied");

        }

    }

    // Method to display a Toast message

    private void showToast(String message) {

        Toast.makeText(this, message, Toast.LENGTH\_SHORT).show();

    }

    // Method to update the UI with latitude and longitude information

    private void updateLocationInfo(double latitude, double longitude) {

        latitudeTextView.setText("Latitude: " + latitude);

        longitudeTextView.setText("Longitude: " + longitude);

    }

}

SMS:

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

<manifest xmlns:android="http://schemas.android.com/apk/res/android"

    xmlns:tools="http://schemas.android.com/tools">

    <uses-feature

        android:name="android.hardware.telephony"

        android:required="false" />

    <uses-permission android:name="android.permission.ACCESS\_COARSE\_LOCATION" />

    <uses-permission android:name="android.permission.ACCESS\_FINE\_LOCATION" />

    <uses-permission android:name="android.permission.SEND\_SMS" />

    <uses-permission android:name="android.permission.RECEIVE\_SMS" />

    <uses-permission android:name="android.permission.READ\_SMS" />

    <uses-permission android:name="android.permission.INTERNET" />

    <uses-permission android:name="android.permission.NOTIFICATION\_POLICY\_ACCESS\_PACKAGES" />

    <uses-permission android:name="android.permission.POST\_NOTIFICATIONS" />

    <application

        android:allowBackup="true"

        android:dataExtractionRules="@xml/data\_extraction\_rules"

        android:fullBackupContent="@xml/backup\_rules"

        android:icon="@mipmap/ic\_launcher"

        android:label="@string/app\_name"

        android:roundIcon="@mipmap/ic\_launcher\_round"

        android:supportsRtl="true"

        android:theme="@style/Theme.MyApplication"

        tools:targetApi="31">

        <receiver

            android:name=".SmsReceiver"

            android:enabled="true"

            android:exported="true">

            <intent-filter>

                <action android:name="android.provider.Telephony.SMS\_RECEIVED" />

            </intent-filter>

        </receiver>

        <activity

            android:name=".MainActivity2"

            android:exported="false"

            android:label="@string/title\_activity\_main2"

            android:theme="@style/Theme.MyApplication.NoActionBar" />

        <activity

            android:name=".MainActivity"

            android:exported="true">

            <intent-filter>

                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER" />

            </intent-filter>

        </activity>

    </application>

</manifest>

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

<androidx.constraintlayout.widget.ConstraintLayout 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"

    tools:context=".MainActivity">

    <TextView

        android:id="@+id/textView2"

        android:layout\_width="wrap\_content"

        android:layout\_height="wrap\_content"

        android:text="SMS App"

        android:textAppearance="@style/TextAppearance.AppCompat.Display1" android:textColor="#067A6A"

        app:layout\_constraintBottom\_toBottomOf="parent"

        app:layout\_constraintLeft\_toLeftOf="parent"

        app:layout\_constraintRight\_toRightOf="parent"

        app:layout\_constraintTop\_toTopOf="parent"

        app:layout\_constraintVertical\_bias="0.096" />

    <TextView

        android:id="@+id/textView"

        android:layout\_width="wrap\_content"

        android:layout\_height="wrap\_content"

        android:layout\_marginTop="28dp"

        android:layout\_marginEnd="140dp"

        android:text="Send an SMS"

        android:textAppearance="@style/TextAppearance.AppCompat.Large"

        android:textColor="#0C675A"

        app:layout\_constraintEnd\_toEndOf="parent"

        app:layout\_constraintTop\_toBottomOf="@+id/textView2" />

    <TextView

        android:id="@+id/phno"

        android:layout\_width="wrap\_content"

        android:layout\_height="wrap\_content"

        android:layout\_marginStart="44dp"

        android:layout\_marginTop="44dp"

        android:text="Phone Number:"

        android:textAppearance="@style/TextAppearance.AppCompat.Medium"

        android:textColor="#304FFE"

        app:layout\_constraintStart\_toStartOf="parent"

        app:layout\_constraintTop\_toBottomOf="@+id/textView" />

    <TextView

        android:id="@+id/smstv"

        android:layout\_width="wrap\_content"

        android:layout\_height="wrap\_content"

        android:layout\_marginStart="44dp"

        android:layout\_marginTop="104dp"

        android:text="SMS Content:"

        android:textAppearance="@style/TextAppearance.AppCompat.Medium" android:textColor="#304FFE"

        app:layout\_constraintStart\_toStartOf="parent"

        app:layout\_constraintTop\_toBottomOf="@+id/textView" />

    <EditText

        android:id="@+id/etPhone"

        android:layout\_width="199dp"

        android:layout\_height="39dp"

        android:layout\_marginStart="12dp"

        android:layout\_marginTop="36dp"

        android:ems="10"

        android:inputType="phone"

        android:textAppearance="@style/TextAppearance.AppCompat.Body1" app:layout\_constraintStart\_toEndOf="@+id/phno"

        app:layout\_constraintTop\_toBottomOf="@+id/textView" />

    <EditText

        android:id="@+id/content"

        android:layout\_width="341dp"

        android:layout\_height="123dp"

        android:layout\_marginTop="68dp"

        android:layout\_marginEnd="32dp"

        android:ems="10"

        android:gravity="start|top"

        android:hint="Type here"

        android:inputType="textMultiLine"

        android:textAppearance="@style/TextAppearance.AppCompat.Body1" app:layout\_constraintEnd\_toEndOf="parent"

        app:layout\_constraintTop\_toBottomOf="@+id/etPhone" />

    <Button

        android:id="@+id/sendbtn"

        android:layout\_width="wrap\_content"

        android:layout\_height="wrap\_content"

        android:layout\_marginTop="48dp"

        android:layout\_marginEnd="160dp"

        android:backgroundTint="#00BFA5"

        android:text="SEND"

        app:layout\_constraintEnd\_toEndOf="parent"

        app:layout\_constraintTop\_toBottomOf="@+id/content" />

</androidx.constraintlayout.widget.ConstraintLayout>

package com.example.myapplication;

import android.Manifest;

import android.content.pm.PackageManager;

import android.os.Bundle;

import android.telephony.SmsManager;

import android.util.Log;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

import androidx.annotation.NonNull;

import androidx.appcompat.app.AppCompatActivity;

import androidx.core.app.ActivityCompat;

import androidx.core.content.ContextCompat;

public class MainActivity extends AppCompatActivity {

    // Request code for sending SMS permission

    private static final int MY\_PERMISSIONS\_REQUEST\_SEND\_SMS = 0;

    // UI elements

    private Button sendBtn;

    private EditText txtPhoneNo;

    private EditText txtMessage;

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity\_main);

        // Check if RECEIVE\_SMS permission is granted

        if (ContextCompat.checkSelfPermission(this,

                Manifest.permission.RECEIVE\_SMS) == PackageManager.PERMISSION\_GRANTED) {

            // Display a message if permission is granted

            Toast.makeText(this, "Received SMS permission granted", Toast.LENGTH\_SHORT).show();

        } else {

            // If not granted, request RECEIVE\_SMS permission

            ActivityCompat.requestPermissions(this, new String[] { Manifest.permission.RECEIVE\_SMS }, 100);

        }

        // Initialize UI elements

        sendBtn = findViewById(R.id.sendbtn);

        txtPhoneNo = findViewById(R.id.etPhone);

        txtMessage = findViewById(R.id.content);

        // Set click listener for the send button

        sendBtn.setOnClickListener(view -> sendSMSMessage());

    }

    // Method to initiate sending an SMS

    private void sendSMSMessage() {

        // Retrieve phone number and message from UI

        String phoneNo = txtPhoneNo.getText().toString();

        String message = txtMessage.getText().toString();

        // Check if the app has the SEND\_SMS permission

        if (ContextCompat.checkSelfPermission(this,

                Manifest.permission.SEND\_SMS) != PackageManager.PERMISSION\_GRANTED) {

            // If not, request the permission

            requestSmsPermission();

        } else {

            // If permission is granted, proceed to send the SMS

            sendSms(phoneNo, message);

        }

    }

    // Method to request SEND\_SMS permission

    private void requestSmsPermission() {

        ActivityCompat.requestPermissions(

                this,

                new String[] { Manifest.permission.SEND\_SMS },

                MY\_PERMISSIONS\_REQUEST\_SEND\_SMS);

    }

    // Method to send an SMS

    private void sendSms(String phoneNo, String message) {

        // Use SmsManager to send the SMS

        SmsManager smsManager = SmsManager.getDefault();

        smsManager.sendTextMessage(phoneNo, null, message, null, null);

        // Display a Toast message indicating that the SMS was sent

        showToast("SMS sent.");

    }

    // Callback for handling permission request results

    @Override

    public void onRequestPermissionsResult(int requestCode, @NonNull String[] permissions,

            @NonNull int[] grantResults) {

        super.onRequestPermissionsResult(requestCode, permissions, grantResults);

        // Check if the permission request is for SEND\_SMS

        if (requestCode == MY\_PERMISSIONS\_REQUEST\_SEND\_SMS) {

            if (grantResults.length > 0 && grantResults[0] == PackageManager.PERMISSION\_GRANTED) {

                // If permission is granted, proceed to send the SMS

                sendSMSMessage();

            } else {

                // If permission is denied, display a Toast message

                showToast("SMS permission denied. Cannot send SMS.");

            }

        }

        // Check if the permission request is for RECEIVE\_SMS

        if (requestCode == 100) {

            if (grantResults.length > 0 && grantResults[0] == PackageManager.PERMISSION\_GRANTED) {

                // Permission granted, perform necessary actions

                Toast.makeText(this, "Received SMS permission granted", Toast.LENGTH\_SHORT).show();

            } else {

                // Permission denied, inform the user

                Toast.makeText(this, "Received SMS permission denied", Toast.LENGTH\_SHORT).show();

            }

        }

    }

    // Method to display a Toast message

    private void showToast(String message) {

        Toast.makeText(getApplicationContext(), message, Toast.LENGTH\_LONG).show();

    }

}

Notification

package com.example.myapplication;

import android.app.NotificationChannel;

import android.app.NotificationManager;

import android.content.BroadcastReceiver;

import android.content.Context;

import android.content.Intent;

import android.content.pm.PackageManager;

import android.os.Build;

import android.os.Bundle;

import android.provider.Telephony;

import android.telephony.SmsMessage;

import android.widget.Toast;

import androidx.core.app.ActivityCompat;

import androidx.core.app.NotificationCompat;

import androidx.core.app.NotificationManagerCompat;

// Create a new class for the BroadcastReceiver

public class SmsReceiver extends BroadcastReceiver {

    private static final String CHANNEL\_ID = "SMS\_CHANNEL\_ID";

    @Override

    public void onReceive(Context context, Intent intent) {

        // Display a Toast message when an SMS is received

        Toast.makeText(context, "Received SMS", Toast.LENGTH\_SHORT).show();

        // Check if the received intent is an SMS

        if (Telephony.Sms.Intents.SMS\_RECEIVED\_ACTION.equals(intent.getAction())) {

            // Process the received SMS

            Bundle bundle = intent.getExtras();

            if (bundle != null) {

                // Extract SMS messages from the intent

                Object[] pdus = (Object[]) bundle.get("pdus");

                if (pdus != null) {

                    for (Object pdu : pdus) {

                        SmsMessage smsMessage = SmsMessage.createFromPdu((byte[]) pdu);

                        // Extract sender and message content

                        String sender = smsMessage.getDisplayOriginatingAddress();

                        String message = smsMessage.getMessageBody();

                        // Create and show a notification

                        createNotification(context, "New SMS from " + sender, message);

                    }

                }

            }

        }

    }

    // Method to create and show a notification

    private void createNotification(Context context, String title, String content) {

        // Create a notification channel for devices running Android Oreo and above

        if (Build.VERSION.SDK\_INT >= Build.VERSION\_CODES.O) {

            NotificationChannel channel = new NotificationChannel(

                    CHANNEL\_ID,

                    "SMS Channel",

                    NotificationManager.IMPORTANCE\_DEFAULT

            );

            NotificationManager notificationManager = context.getSystemService(NotificationManager.class);

            notificationManager.createNotificationChannel(channel);

        }

        // Build the notification

        NotificationCompat.Builder builder = new NotificationCompat.Builder(context, CHANNEL\_ID)

                .setSmallIcon(android.R.drawable.ic\_dialog\_info) // Set the notification icon

                .setContentTitle(title) // Set the notification title

                .setContentText(content) // Set the notification content

                .setPriority(NotificationCompat.PRIORITY\_DEFAULT); // Set the notification priority

        // Show the notification

        NotificationManagerCompat notificationManager = NotificationManagerCompat.from(context);

        notificationManager.notify(1, builder.build()); // Use a unique notification ID (1 in this case)

    }

}

WebView

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

<manifest xmlns:android="http://schemas.android.com/apk/res/android"

    xmlns:tools="http://schemas.android.com/tools">

    <uses-permission android:name="android.permission.INTERNET"/>

    <application

        android:allowBackup="true"

        android:dataExtractionRules="@xml/data\_extraction\_rules"

        android:fullBackupContent="@xml/backup\_rules"

        android:icon="@mipmap/ic\_launcher"

        android:label="@string/app\_name"

        android:roundIcon="@mipmap/ic\_launcher\_round"

        android:supportsRtl="true"

        android:theme="@style/Theme.MyApplication"

        tools:targetApi="31">

        <activity

            android:name=".MainActivity"

            android:exported="true">

            <intent-filter>

                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER" />

            </intent-filter>

        </activity>

    </application>

</manifest>

<?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:padding="10dp"

    tools:context=".MainActivity">

    <LinearLayout

        android:layout\_width="match\_parent"

        android:layout\_height="match\_parent"

        android:orientation="vertical">

        <LinearLayout

            android:layout\_width="match\_parent"

            android:layout\_height="wrap\_content"

            android:orientation="horizontal">

            <TextView

                android:id="@+id/textView"

                android:layout\_width="60dp"

                android:layout\_height="wrap\_content"

                android:paddingBottom="10dp"

                android:paddingLeft="15dp"

                android:textStyle="bold"

                android:text="URL:" />

            <EditText

                android:id="@+id/url"

                android:layout\_width="237dp"

                android:layout\_height="wrap\_content"

                android:layout\_weight="1"

                android:ems="10"

                android:inputType="text" />

            <Button

                android:id="@+id/load"

                android:layout\_width="wrap\_content"

                android:layout\_height="wrap\_content"

                android:layout\_weight="1"

                android:text="GET" />

        </LinearLayout>

        <WebView

            android:id="@+id/webView"

            android:layout\_width="match\_parent"

            android:layout\_height="match\_parent">

        </WebView>

    </LinearLayout>

</LinearLayout>

package com.example.myapplication;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.webkit.WebView;

import android.webkit.WebViewClient;

import android.widget.Button;

import android.widget.EditText;

public class MainActivity extends AppCompatActivity {

    private WebView webView;

    private EditText url;

    private Button getButton;

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity\_main);

        webView = findViewById(R.id.webView);

        url = findViewById(R.id.url);

        getButton = findViewById(R.id.load);

        webView.getSettings().setJavaScriptEnabled(true);

        String staticHtml = "<html>\n" +

                "<body>\n" +

                "\n" +

                "<h1 style=\"color:red; font-family:sans-serif\">This is a HTML Site</h1>\n" +

                "\n" +

                "<p style=\"color:blue;\">A blue paragraph.</p>\n" +

                "\n" +

                "<h2>An Unordered HTML List</h2>\n" +

                "\n" +

                "<ul>\n" +

                " <li>Coffee</li>\n" +

                " <li>Tea</li>\n" +

                " <li>Milk</li>\n" +

                "</ul>\n" +

                "\n" +

                "</body>\n" +

                "</html>";

        webView.loadData(staticHtml, "text/html", "UTF-8");

        webView.setWebViewClient(new WebViewClient() {

            @Override

            public boolean shouldOverrideUrlLoading(WebView view, String url) {

                // view.loadUrl(url);

                return false;

            }

        });

        getButton.setOnClickListener(new View.OnClickListener() {

            @Override

            public void onClick(View v) {

                webView.loadUrl("https://" + url.getText().toString());

            }

        });

    }

}