

# OkHttp Android

exemplu Google translate API

Search endpoints

POST Translate Text with POST

GET Get Supported Languages

GET Translate Text

POST Translate Text with POST

Translate Text with POST method

S

Personal Account

StudAnd Roid

RapidAPI App

default-application\_5807556

REQUIRED

Request URL

rapidapi.com

REQUIRED

Header Parameters

X-RapidAPI-Host

google-translate20.p.rapidapi.com

REQUIRED

X-RapidAPI-Key

cf26dd3c73mshdd5e0ce40dc73f9p173d45jsn8

REQUIRED

Request Body

text

The POST method has several advantages over C

Required Parameters

Code Snippets

Example Responses

Results

(Java) OkHttpClient

Copy Code

OkHttpClient client = new OkHttpClient();  
  
MediaType mediaType = MediaType.parse("application/x-www-form-urlencoded");  
RequestBody body = RequestBody.create(mediaType, "text=The%20POST%20method%20has%20several%20advantages%20over%20GET%3A%20it%20is%20more%20secure%20because%20most%20of%20the%20request%20is%20hidden%20from%20the%20user%3B%20Suitable%20for%20big%20data%20operations.&tl=ro&sl=en");  
Request request = new Request.Builder()  
 .url("https://google-translate20.p.rapidapi.com/translate")  
 .post(body)  
 .addHeader("content-type", "application/x-www-form-urlencoded")  
 .addHeader("x-rapidapi-host", "google-translate20.p.rapidapi.com")  
 .addHeader("x-rapidapi-key", "cf26dd3c73mshdd5e0ce40dc73f9p173d45jsn8d4ef6944414")  
 .build();  
  
Response response = client.newCall(request).execute();

<https://rapidapi.com/googlecloud/api/google-translate1/>

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="cc.cunbm.android.bravecryptonews">

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

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportRtl="true"
        android:theme="@style/Theme.BraveCryptoNews">
        <activity android:name=".MainActivity">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>
</manifest>
```

```
plugins {
    id 'com.android.application'
}

android {
    compileSdkVersion 31
    buildToolsVersion "30.0.0"

    defaultConfig {
        applicationId "cc.cunbm.android.bravecryptonews"
        minSdkVersion 27
        targetSdkVersion 31
        versionCode 1
        versionName "1.0"

        testInstrumentationRunner "androidx.test.runner.AndroidJUnitRunner"
    }

    buildTypes {
        release {
            minifyEnabled false
            proguardFiles getDefaultProguardFile('proguard-android-optimize.txt'), 'proguard-rules.pro'
        }
    }
    compileOptions {
        sourceCompatibility JavaVersion.VERSION_1_8
        targetCompatibility JavaVersion.VERSION_1_8
    }
}

dependencies {

    implementation 'androidx.appcompat:appcompat:1.3.1'
    implementation 'com.google.android.material:material:1.4.0'
    implementation 'androidx.constraintlayout:constraintlayout:2.1.1'

    implementation 'com.squareup.okhttp3:okhttp:3.12.0'

    testImplementation 'junit:junit:4.+'
    androidTestImplementation 'androidx.test.ext:junit:1.1.3'
    androidTestImplementation 'androidx.test.espresso:espresso-core:3.4.0'
}
```

```

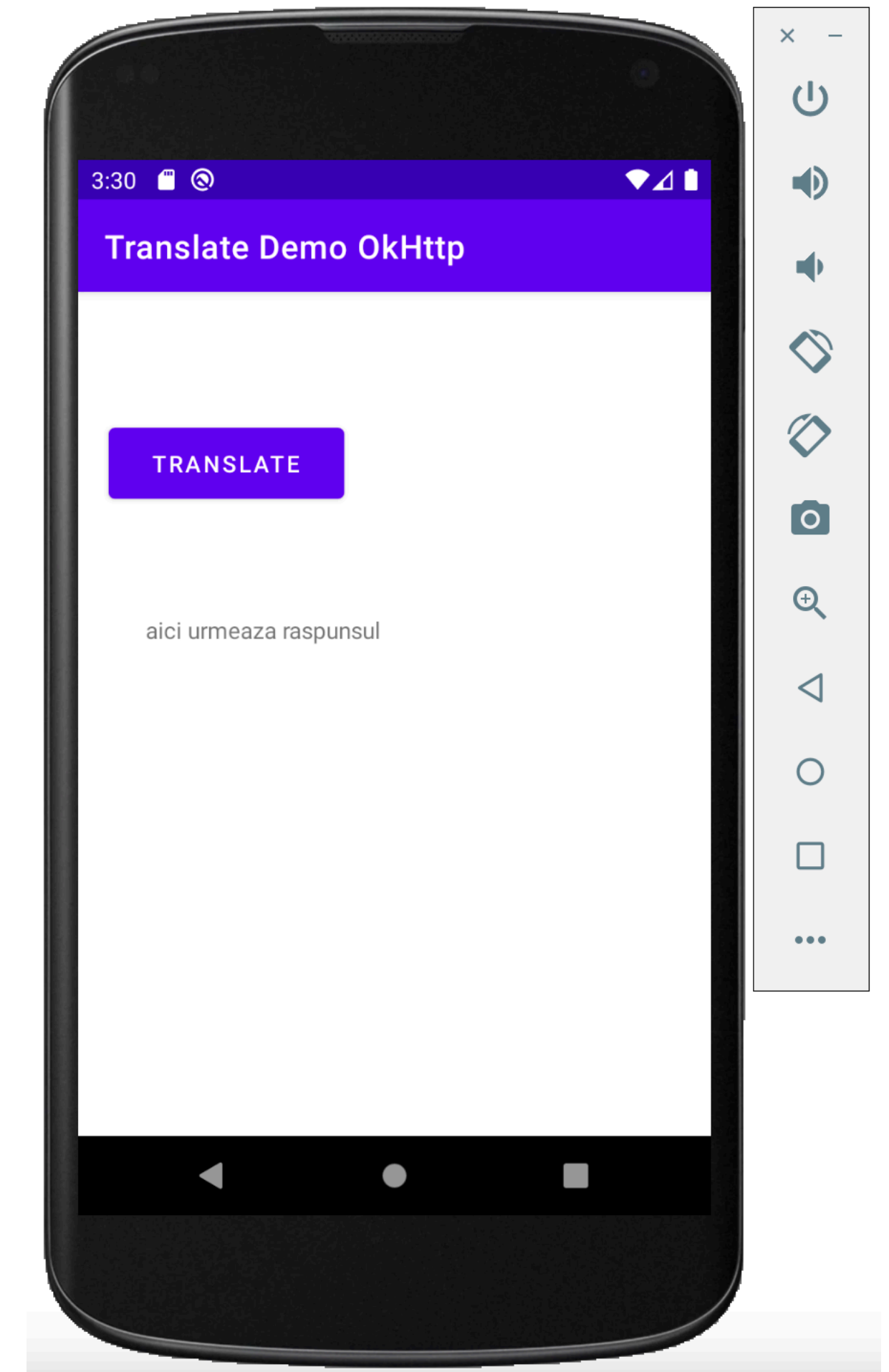
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <Button
        android:id="@+id/button"
        android:layout_width="143dp"
        android:layout_height="55dp"
        android:layout_marginStart="32dp"
        android:layout_marginTop="136dp"
        android:layout_marginEnd="236dp"
        android:layout_marginBottom="32dp"
        android:text="Translate"
        app:layout_constraintBottom_toTopOf="@+id/textView"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <TextView
        android:id="@+id/textView"
        android:layout_width="318dp"
        android:layout_height="368dp"
        android:layout_marginStart="32dp"
        android:layout_marginTop="32dp"
        android:layout_marginEnd="16dp"
        android:layout_marginBottom="8dp"
        android:text="aici urmeaza raspunsul"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/button" />

</androidx.constraintlayout.widget.ConstraintLayout>

```



```
package cc.cunbm.android.bravecryptonews;

import androidx.appcompat.app.AppCompatActivity;
import android.os.AsyncTask;
import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
import java.io.IOException;
import okhttp3.MediaType;
import okhttp3.OkHttpClient;
import okhttp3.Request;
import okhttp3.RequestBody;
import okhttp3.Response;

public class MainActivity extends AppCompatActivity {
    TextView txtView;
    Button button;

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

        button = (Button) findViewById(R.id.button);
        txtView = (TextView) findViewById(R.id.textView);

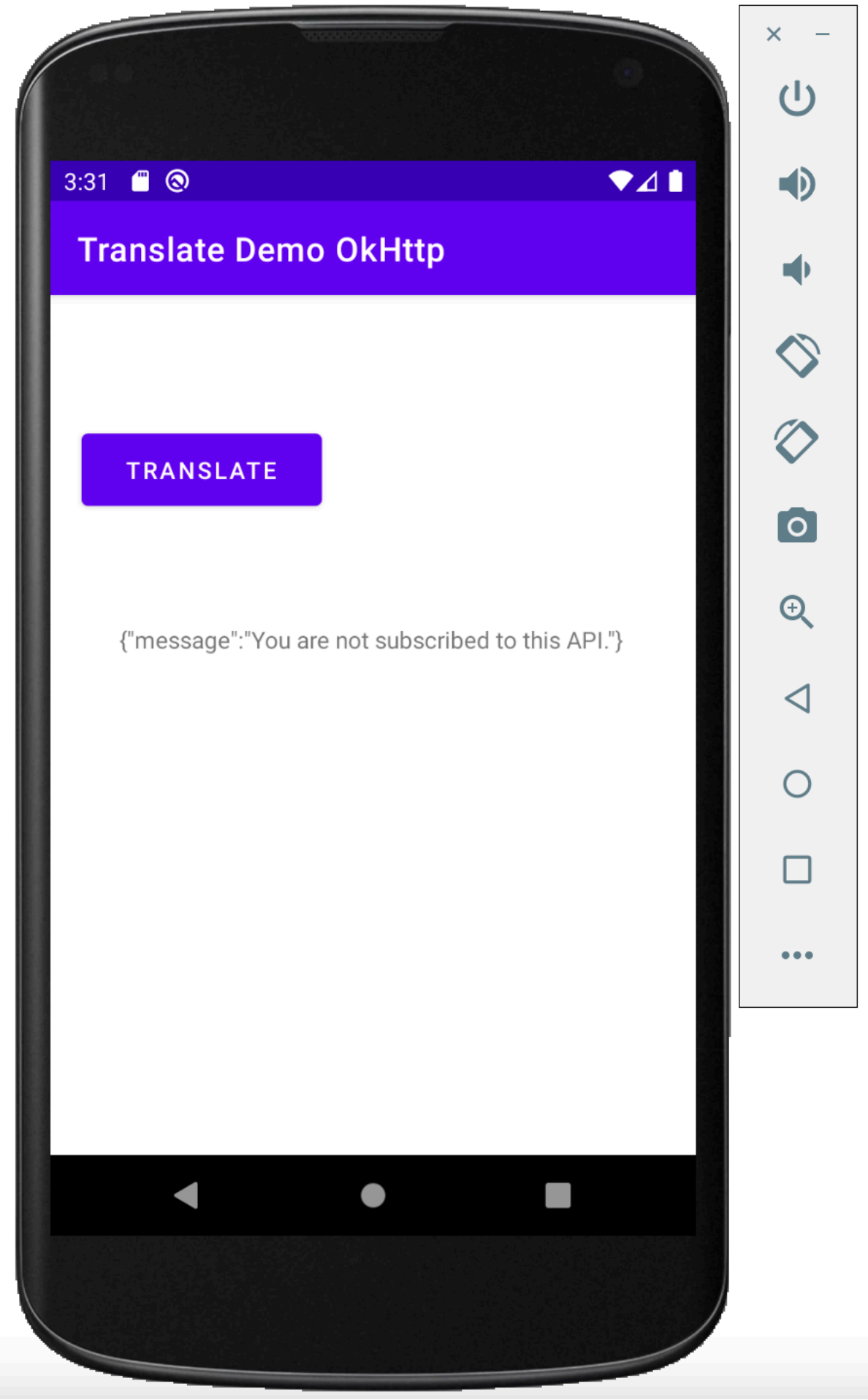
        button.setOnClickListener(new View.OnClickListener(){
            @Override
            public void onClick(View v) {
                new AsyncCaller().execute();
            } });
    }

    private class AsyncCaller extends AsyncTask<Void, Void, String>
    {
        @Override
        protected void onPreExecute() {
            super.onPreExecute();
            //this method will be running on UI thread
        }

        @Override
        protected String doInBackground(Void... params) {
            //this method will be running on background thread so don't update UI frome here
            //do your long running http tasks here,you dont want to pass argument and u can access the parent class' variable url over here
            . . .

            return r;
        }

        @Override
        protected void onPostExecute(String result) {
            super.onPostExecute(result);
            txtView.setText(result);
            //this method will be running on UI thread
        }
    }
}
```





```

private class AsyncCaller extends AsyncTask<Void, Void, String>
{
    @Override
    protected void onPreExecute() {
        super.onPreExecute();
        //this method will be running on UI thread
    }

    @Override
    protected String doInBackground(Void... params) {
        //this method will be running on background thread so don't update UI from here
        //do your long running http tasks here,you dont want to pass argument and u can access the parent class' variable url over here

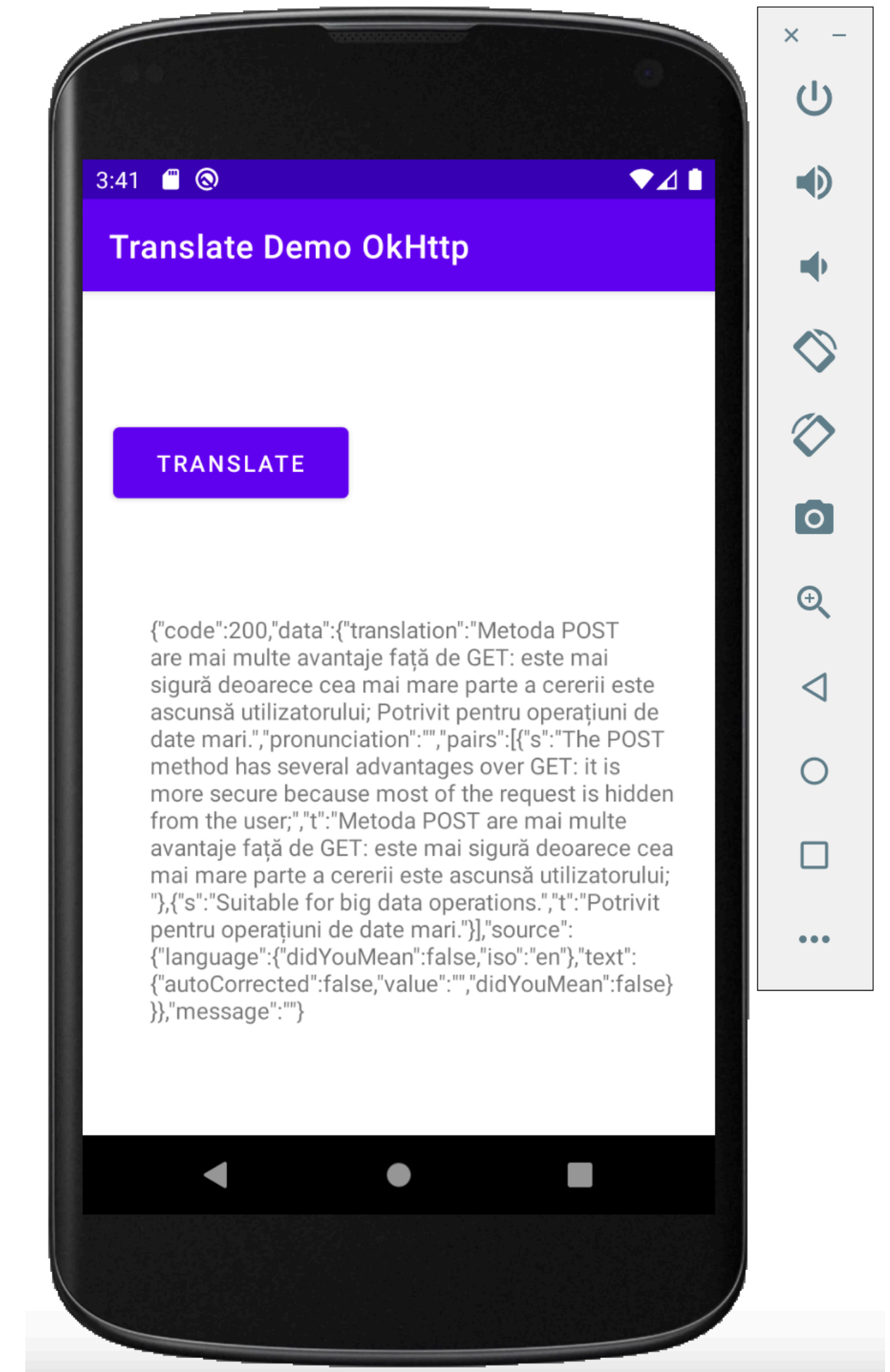
        Log.d("###","starting test ...");
        OkHttpClient client = new OkHttpClient();

        MediaType mediaType = MediaType.parse("application/x-www-form-urlencoded");
        RequestBody body = RequestBody.create(mediaType,
"text=The%20POST%20method%20has%20several%20advantages%20over%20GET%3A%20it%20is%20more%20secure%20because%20most%20of%20the%20request%20is%20hidden%20from%20the%20user%3B%20Suitable%20for%20big%20data%20operations.&tl=ro&sl=en");
        Request request = new Request.Builder()
            .url("https://google-translate20.p.rapidapi.com/translate")
            .post(body)
            .addHeader("content-type", "application/x-www-form-urlencoded")
            .addHeader("x-rapidapi-host", "google-translate20.p.rapidapi.com")
            .addHeader("x-rapidapi-key", "cf26dd3c73mshdd5e0ce40dc73f9p173d45jsn8d4ef6944414")
            .build();

        Response response = null;
        String r=null;
        try {
            response = client.newCall(request).execute();
            r = response.body().string();
        } catch (IOException e) {
            e.printStackTrace();
        }
        return r;
    }

    @Override
    protected void onPostExecute(String result) {
        super.onPostExecute(result);
        //this method will be running on UI thread
        txtView.setText(result);
    }
}
}

```



<https://rapidapi.com/googlecloud/api/google-translate1/>