

Manifest

```
<?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"/>
    <uses-permission android:name="android.permission.CALL_PHONE"/>
    <uses-feature android:name="android.hardware.telephony"/>
    <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.Mcagleg"
        tools:targetApi="31">
        <service
            android:name=".MyService2"
            android:enabled="true"
            android:exported="true"></service>
        <service
            android:name=".MyService"
            android:enabled="true"
            android:exported="true" />

        <activity
            android:name=".MainActivity2"
            android:exported="false" />
        <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>
    <queries>
        <package android:name="com.whatsapp" />
        <package android:name="com.whatsapp.w4b" />
    </queries>
</manifest>
```

XML

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical" android:layout_width="match_parent"
    android:layout_height="match_parent">

    <TextView
```

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    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:id="@+id/t"
    android:text="9362688752"
    android:textSize="30dp"/>
```

```
</LinearLayout>
```

Kotlin

```
package com.example.mcagleg

import android.Manifest
import android.content.Intent
import android.content.pm.PackageManager
import android.net.Uri
import android.os.Bundle
import android.view.ContextMenu
import android.view.MenuItem
import android.view.View
import android.widget.TextView
import android.widget.Toast
import androidx.appcompat.app.AppCompatActivity
import androidx.core.app.ActivityCompat
import androidx.core.content.ContextCompat

class MainActivity : AppCompatActivity() {
    val c = Intent(Intent.ACTION_CALL)
    private lateinit var t: TextView
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)
        c.data = Uri.parse("tel:+91-9362688752" )
        t= findViewById(R.id.t)
        registerForContextMenu(t)
    }

    override fun onCreateContextMenu(
        menu: ContextMenu?,
        v: View?,
        menuInfo: ContextMenu.ContextMenuInfo?
    ) {
        super.onCreateContextMenu(menu, v, menuInfo)

        menuInflater.inflate(R.menu.main_menu, menu)
        menu?.setHeaderTitle("Select")
    }

    override fun onContextItemSelected(item: MenuItem): Boolean {
        val i: Int = item.itemId
        when(i)
        {
            R.id.item1 ->
```

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        {
            start()
        }
        R.id.item2 ->
        {

        }

        R.id.item3 ->
        {
            whatsapp()
        }
    }

    return super.onContextItemSelected(item)
}

private fun whatsapp() {

    val installed: Boolean = appInstalledOrNot("com.whatsapp")
    if(installed)
    {
        val intent = Intent(Intent.ACTION_VIEW)
        intent.setData(Uri.parse("https://api.whatsapp.com/send?phone="+"+919362688752" + "&text=Hai!"));
        startActivity(intent)
    }
    else
    {
        Toast.makeText(applicationContext, "Not
        installed", Toast.LENGTH_LONG).show()
    }

}

private fun appInstalledOrNot(url: String): Boolean {
    val packageManager = packageManager
    val app_installed: Boolean
    app_installed = try {
        packageManager.getPackageInfo(url,
        PackageManager.GET_ACTIVITIES)
        true
    } catch (e: PackageManager.NameNotFoundException) {
        false
    }
    return app_installed
}

private fun start() {
    if (ContextCompat.checkSelfPermission(this@MainActivity,
        Manifest.permission.CALL_PHONE
    ) != PackageManager.PERMISSION_GRANTED
    ) {

        ActivityCompat.requestPermissions(this,
            Array(1) {Manifest.permission.CALL_PHONE}, 111)

    } else {

```

```

        startActivity(c)
    }
}

override fun onRequestPermissionsResult(
    requestCode: Int,
    permissions: Array<out String>,
    grantResults: IntArray
) {
    super.onRequestPermissionsResult(requestCode, permissions,
grantResults)

    if(requestCode==111 &&
grantResults[0]==PackageManager.PERMISSION_GRANTED)
        startActivity(c)
    }
}

```

main_menu.xml

```

<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android">
    <item android:id="@+id/item1"
        android:title="Call"/>
    <item android:id="@+id/item2"
        android:title="SMS" />
    <item android:id="@+id/item3"
        android:title="WhatsApp"/>
</menu>

```