

**Q. Implicit Intent Send SMS, dial a Telephone number, Open a web page, Send text to second application.**

**Code: First Application**

Activity\_main.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:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <EditText
        android:id="@+id/edt1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:ems="10"
        android:hint="Send a Message"
        android:inputType="text"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.507"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.155" />

    <Button
        android:id="@+id/btnweb"
        android:layout_width="208dp"
        android:layout_height="47dp"
        android:text="Open a Web Page"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/edt1"
        app:layout_constraintVertical_bias="0.063" />

    <Button
        android:id="@+id/btnmsg"
        android:layout_width="211dp"
        android:layout_height="47dp"
        android:layout_marginTop="4dp"
        android:text="Send a Message"
```

```

        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.505"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/btnweb"
        app:layout_constraintVertical_bias="0.033" />

<Button
    android:id="@+id/btnntel"
    android:layout_width="205dp"
    android:layout_height="46dp"
    android:text="Dial a Phone Number"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.495"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/btnmsg"
    app:layout_constraintVertical_bias="0.065" />

<Button
    android:id="@+id/btnsend"
    android:layout_width="211dp"
    android:layout_height="48dp"
    android:text="Send to another App"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.51"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/btnntel"
    app:layout_constraintVertical_bias="0.047" />
</androidx.constraintlayout.widget.ConstraintLayout>

```

#### MainActivity.java

```

package com.example.implicitactivity_1;

import androidx.appcompat.app.AppCompatActivity;

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

public class MainActivity extends AppCompatActivity {

```

```

Button btn,btnweb,btnmsg,btnstel,btnsend;

EditText edt;

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

    edt = findViewById(R.id.edt1);
    btnweb = findViewById(R.id.btnweb);
    btnmsg = findViewById(R.id.btnmsg);
    btnstel = findViewById(R.id.btnstel);
    btnsend = findViewById(R.id.btnsend);

    btnweb.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            Intent webIntent = new Intent(Intent.ACTION_VIEW);
            webIntent.setData(Uri.parse("https://chatgpt.com/"));
            startActivity(webIntent);
        }
    });
    btnmsg.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            Intent sms = new Intent();
            sms.setAction(Intent.ACTION_SEND);
            String s = edt.getText().toString();
            sms.putExtra(Intent.EXTRA_TEXT,s);
            sms.setType("text/plain");
            startActivity(sms);
        }
    });
    btnstel.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            Intent stelIntent = new Intent(Intent.ACTION_DIAL);
            stelIntent.setData(Uri.parse("tel:201254"));
            startActivity(stelIntent);
        }
    });
    btnsend.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            Intent sms=new Intent();
            sms.setAction(Intent.ACTION_SEND);

```

```
        String s=edt.getText().toString();
        sms.putExtra(Intent.EXTRA_TEXT,s);
        sms.setType("text/plain");
        startActivity(sms);
    }
});

}
}
```

### Code: Second Application

Activity\_main.xml

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:padding="16dp">

    <TextView
        android:id="@+id/tvr"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="No text received yet"
        android:textSize="18sp"
        android:padding="16dp" />
</LinearLayout>
```

MainActivity.java

```
package com.example.implicitintent2;

import androidx.appcompat.app.AppCompatActivity;
```

```

import android.content.Intent;
import android.os.Bundle;
import android.widget.TextView;

public class RecieveActivity extends AppCompatActivity {

    TextView tv;

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

        tv=findViewById(R.id.tvr);
        Intent i=getIntent();
        String str =i.getStringExtra(Intent.EXTRA_TEXT);
        tv.setText(str);
    }
}

```

#### AndroidManifest.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">

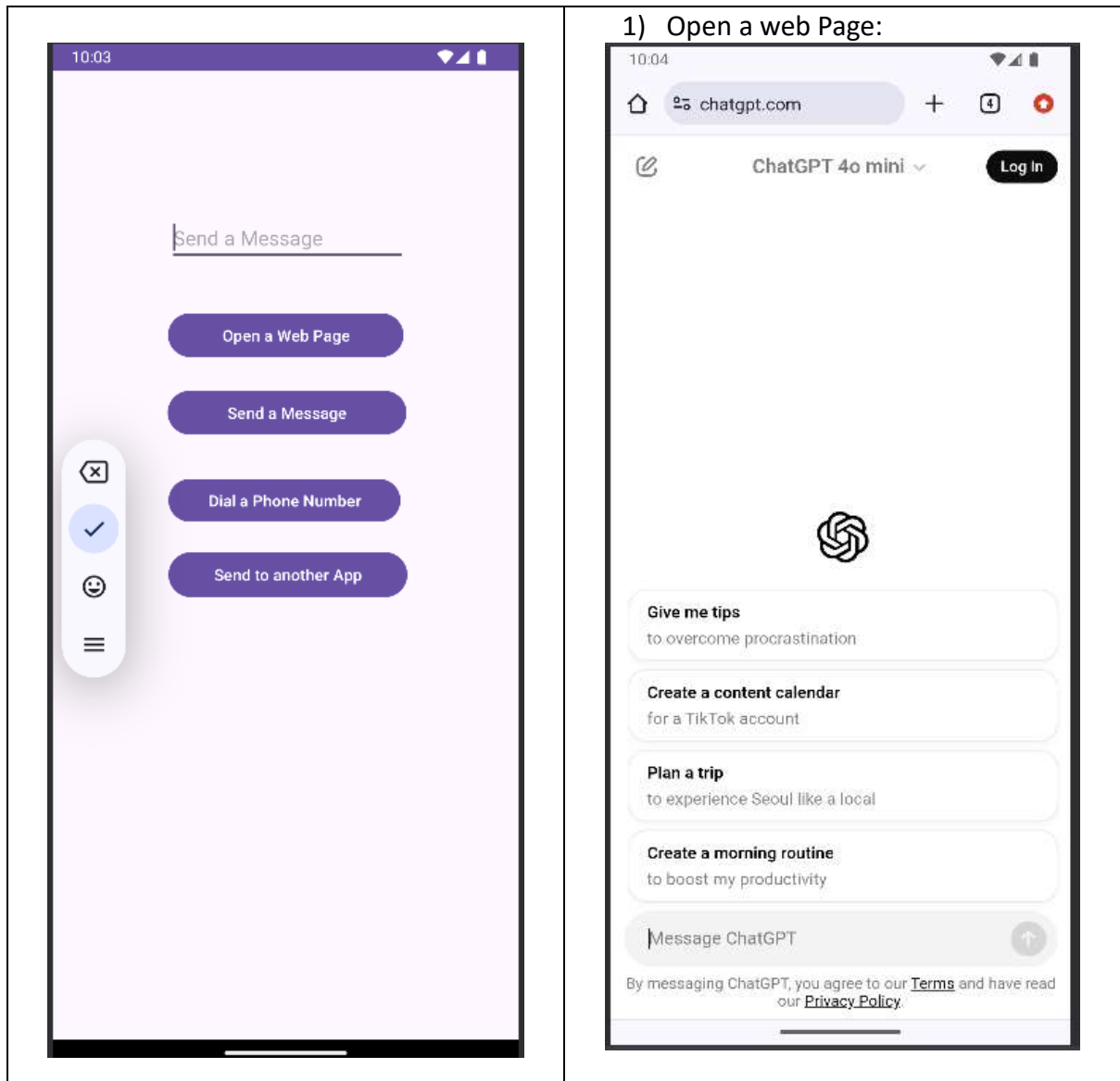
    <application
        android:allowBackup="true"
        android:dataExtractionRules="@xml/data_extraction_rules"
        android:fullBackupContent="@xml/backup_rules"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/Theme.ImplicitIntent2"
        tools:targetApi="31">
        <activity
            android:name=".RecieveActivity"
            android:exported="true">
            <intent-filter>
                <action android:name="android.intent.action.SEND" />
                <category android:name="android.intent.category.DEFAULT" />
                <data android:mimeType="text/plain" />
            </intent-filter>
        </activity>
    </application>

```

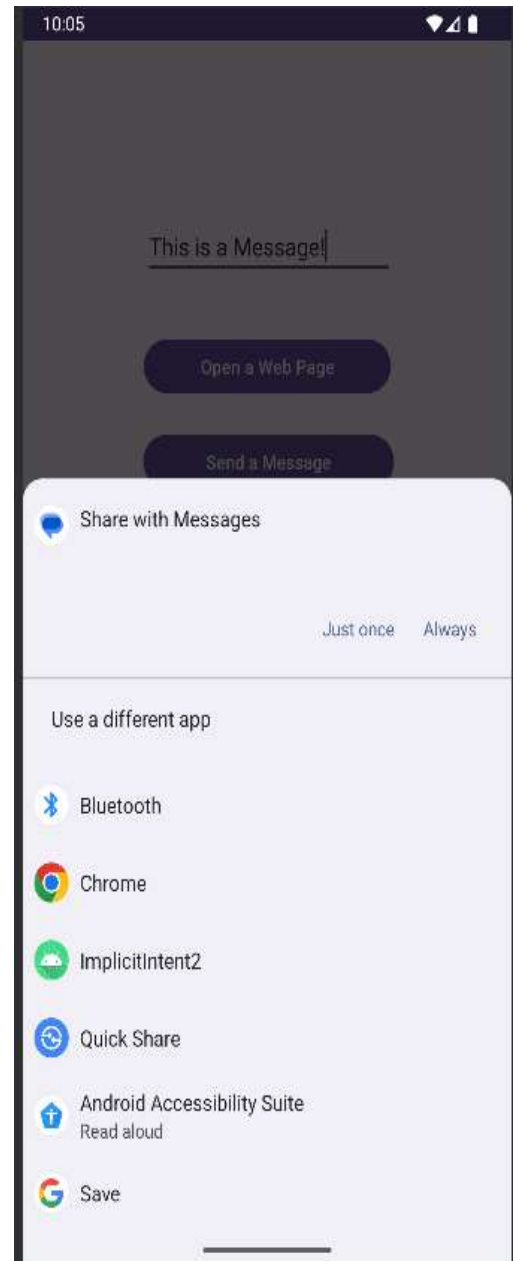
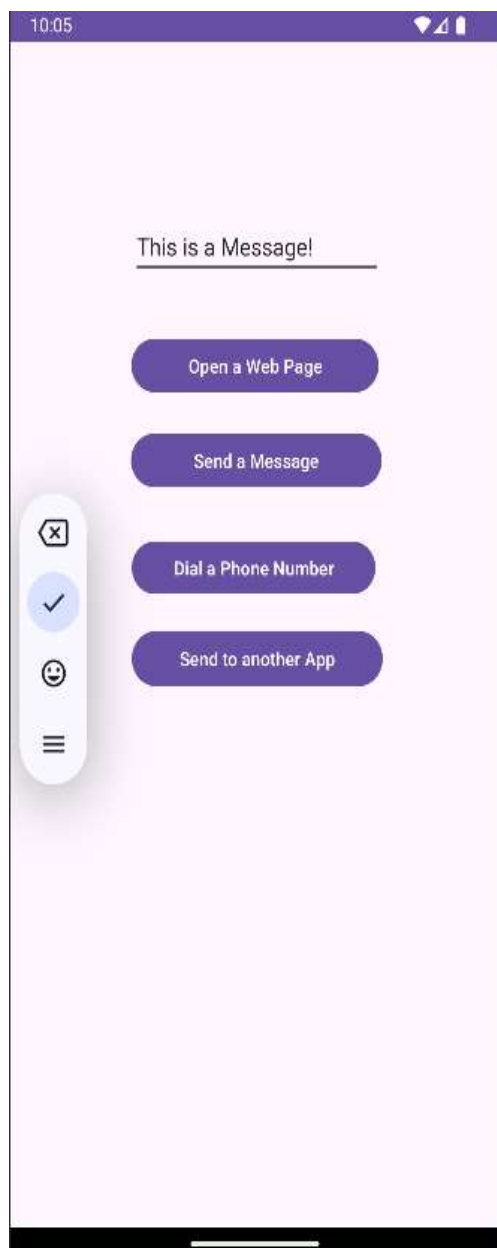
</application>

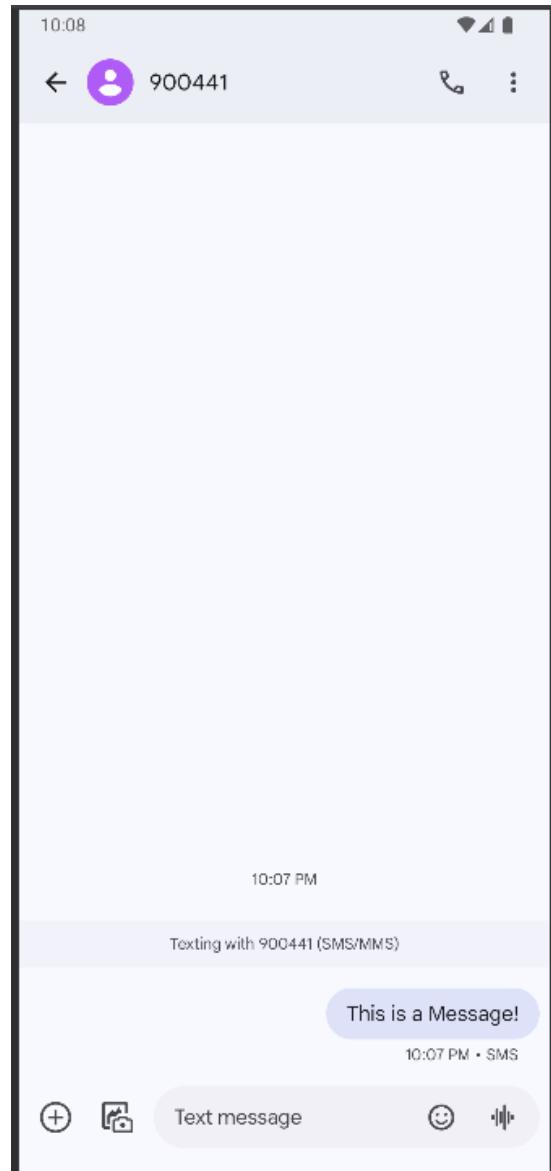
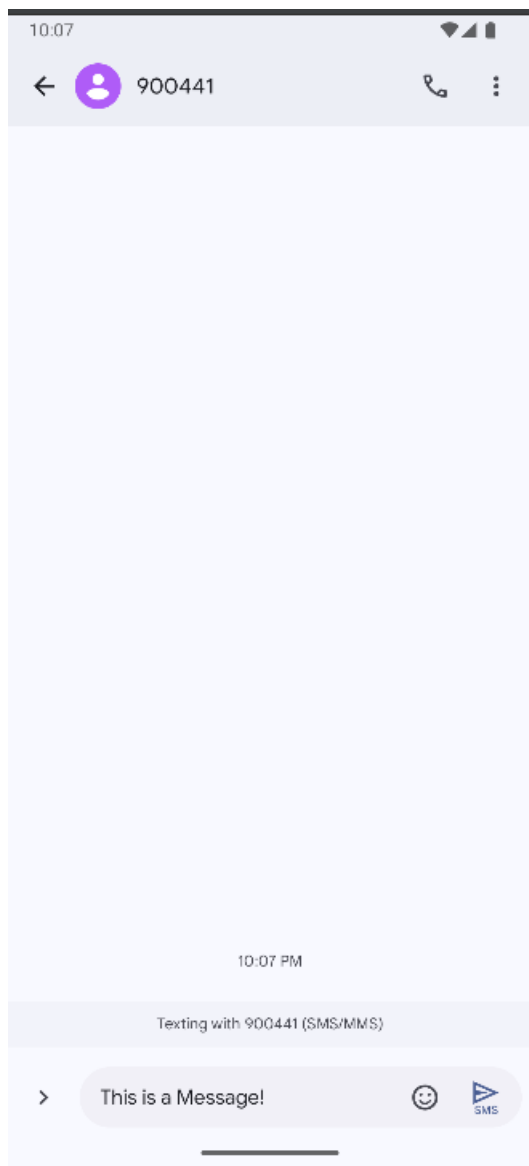
</manifest>

Output:



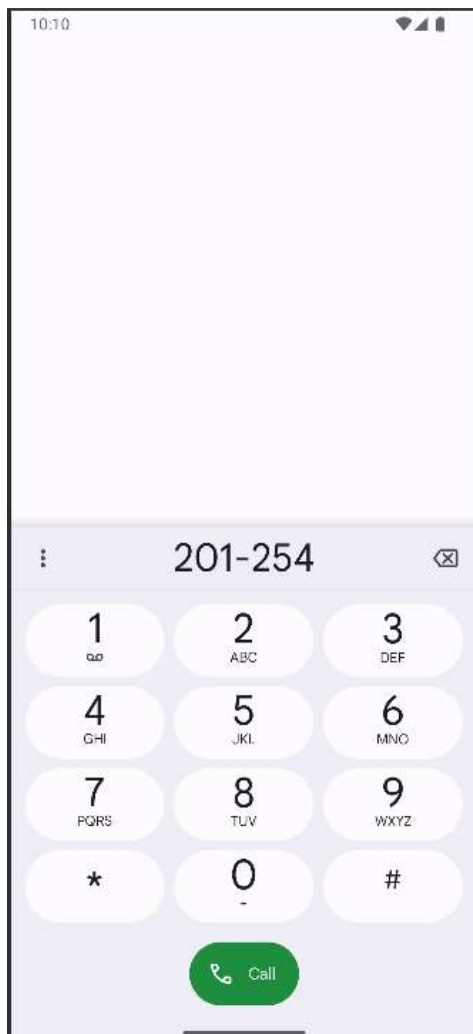
## 2) Send a Message



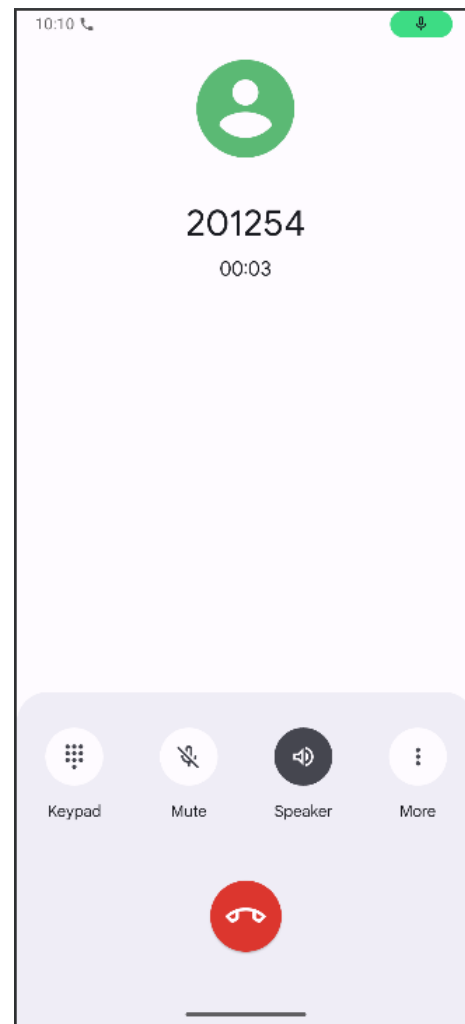




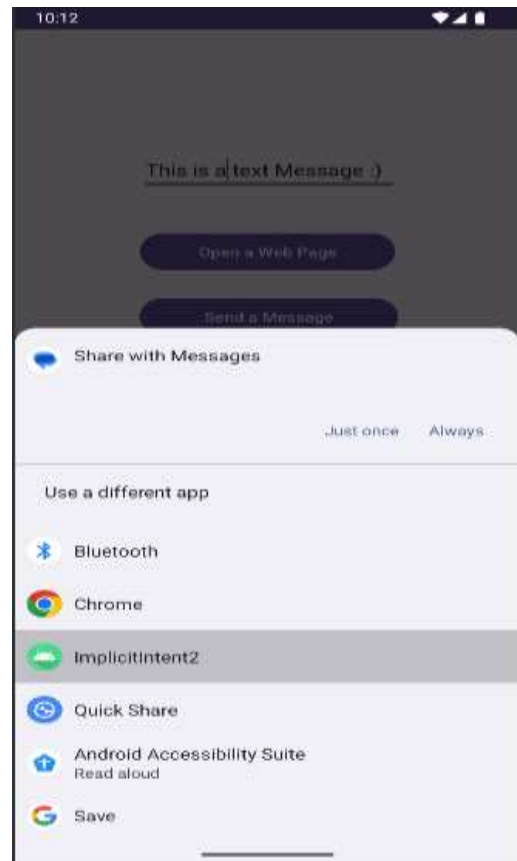
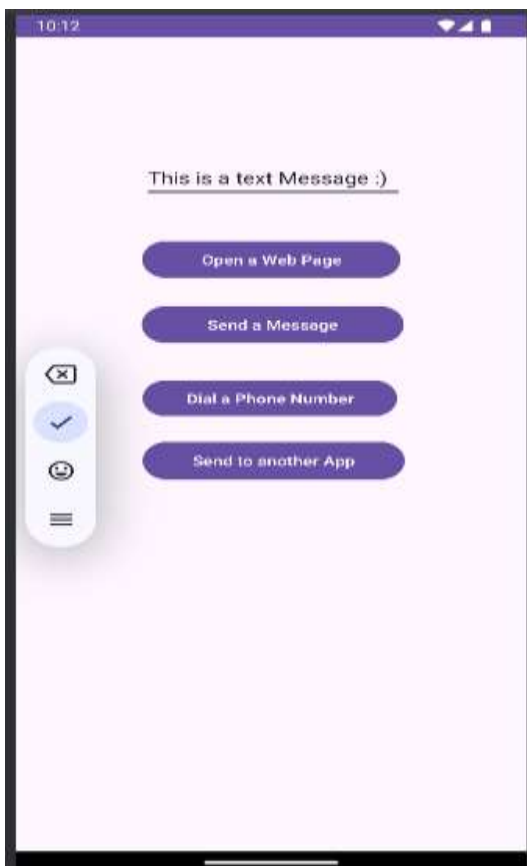
### 3) Dial a Phone Number



SSS



#### 4) Send a Text to another application



#### 5) Message received on Second Application.

