

MainActivity.java

```
package com.example.sms;

import android.content.Intent;
import android.os.Bundle;
import android.support.v7.app.ActionBarActivity;
import android.view.View;

public class MainActivity extends ActionBarActivity {

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

    public void goToInbox(View view) {
        Intent intent = new Intent(MainActivity.this, ReceiveSmsActivity.class);
        startActivity(intent);
    }

    public void goToCompose(View view) {
        Intent intent = new Intent(MainActivity.this, SendSmsActivity.class);
        startActivity(intent);
    }

    protected void sendSMS() {
        String toPhoneNumber = toPhoneNumberET.getText().toString();
        String smsMessage = smsMessageET.getText().toString();
        try {
            SmsManager smsManager = SmsManager.getDefault();
            smsManager.sendTextMessage(toPhoneNumber, null, smsMessage, null, null);
            Toast.makeText(getApplicationContext(), "SMS sent.",
                Toast.LENGTH_LONG).show();
        } catch (Exception e) {
            Toast.makeText(getApplicationContext(),
                "Sending SMS failed.",
                Toast.LENGTH_LONG).show();
            e.printStackTrace();
        }
    }

    public void refreshSmsInbox() {
        ContentResolver contentResolver = getContentResolver();
    }
```

```

        Cursor smsInboxCursor = contentResolver.query(Uri.parse("content://sms/inbox"), null,
null, null, null);
        int indexBody = smsInboxCursor.getColumnIndex("body");
        int indexAddress = smsInboxCursor.getColumnIndex("address");
        long timeMillis = smsInboxCursor.getColumnIndex("date");
        Date date = new Date(timeMillis);
        SimpleDateFormat format = new SimpleDateFormat("dd/MM/yy");
        String dateText = format.format(date);

        if (indexBody < 0 || !smsInboxCursor.moveToFirst()) return;
        arrayAdapter.clear();
        do {
            String str = smsInboxCursor.getString(indexAddress) + " at " +
                "\n" + smsInboxCursor.getString(indexBody) + dateText + "\n";
            arrayAdapter.add(str);
        } while (smsInboxCursor.moveToNext());
    }
}

```

Activity_main.xml

```

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    android:paddingBottom="@dimen/activity_vertical_margin"
    tools:context=".MainActivity"
    android:background="#ffff8d7a">

    <TextView android:text="@string/androidSMS" android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/textView2"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="101dp"
        android:capitalize="characters"
        android:textSize="34dp" />

```

<Button

```
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Inbox"
    android:id="@+id/btnInbox"
    android:layout_centerVertical="true"
    android:layout_alignParentStart="true"
    android:onClick="goToInbox" />
```

<Button

```
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Compose"
    android:id="@+id/btnCompose"
    android:layout_alignTop="@+id/btnInbox"
    android:layout_alignParentEnd="true"
    android:onClick="goToCompose" />
```

</RelativeLayout>

