**package** com.example.matrix;

**import** android.app.Activity;

**import** android.content.Intent;

**import** android.os.Bundle;

**import** android.view.Menu;

**import** android.view.View;

**import** android.widget.EditText;

**public** **class** MainActivity **extends** Activity {

**public** **final** **static** String *EXTRA\_MESSAGE* = "com.example.myfirstapp.MESSAGE";

//Main activity starts at beginning

@Override

**protected** **void** onCreate(Bundle savedInstanceState) {

**super**.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main*);

//SensorManager sMgr;

//sMgr = (SensorManager)this.getSystemService(SENSOR\_SERVICE);

}

@Override

**public** **boolean** onCreateOptionsMenu(Menu menu) {

// Inflate the menu; this adds items to the action bar if it is present.

getMenuInflater().inflate(R.menu.*main*, menu);

**return** **true**;

}

/\*\* Called when the user clicks the Send button \*/

**public** **void** sendMessage (View view)

{

Intent intent = **new** Intent(**this**, DisplayMessageActivity.**class**);

EditText editText = (EditText) findViewById(R.id.*edit\_message*);

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

intent.putExtra(*EXTRA\_MESSAGE*, message);

startActivity(intent);

}

}

Xml

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

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

android:orientation=*"horizontal"*

android:layout\_width=*"match\_parent"*

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

tools:context=*".MainActivity"* >

<EditText

android:id=*"@+id/edit\_message"*

android:layout\_weight=*"1"*

android:layout\_width=*"0dp"*

android:layout\_height=*"wrap\_content"*

android:hint=*"@string/edit\_message"*

/>

<Button

android:layout\_width=*"wrap\_content"*

android:layout\_height=*"wrap\_content"*

android:text=*"@string/button\_send"*

android:onClick=*"sendMessage"*

/>

</LinearLayout>