**package** com.example.matrix;

**import** android.os.Bundle;

**import** android.app.Activity;

**import** android.view.Menu;

**import** android.view.MenuItem;

**import** android.widget.TextView;

**import** android.support.v4.app.NavUtils;

**import** android.annotation.TargetApi;

**import** android.content.Intent;

**import** android.os.Build;

**public** **class** DisplayMessageActivity **extends** Activity {

@Override

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

**super**.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_display\_message*);

// Show the Up button in the action bar.

setupActionBar();

// Get the message from the intent

Intent intent = getIntent();

String message = intent.getStringExtra(MainActivity.*EXTRA\_MESSAGE*);

// Create the text view

TextView textView = **new** TextView(**this**);

textView.setTextSize(40);

textView.setText(message);

// Set the text view as the activity layout

setContentView(textView);

}

/\*\*

\* Set up the {@link android.app.ActionBar}, if the API is available.

\*/

@TargetApi(Build.VERSION\_CODES.*HONEYCOMB*)

**private** **void** setupActionBar() {

**if** (Build.VERSION.*SDK\_INT* >= Build.VERSION\_CODES.*HONEYCOMB*) {

getActionBar().setDisplayHomeAsUpEnabled(**true**);

}

}

@Override

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

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

getMenuInflater().inflate(R.menu.*display\_message*, menu);

**return** **true**;

}

@Override

**public** **boolean** onOptionsItemSelected(MenuItem item) {

**switch** (item.getItemId()) {

**case** android.R.id.*home*:

// This ID represents the Home or Up button. In the case of this

// activity, the Up button is shown. Use NavUtils to allow users

// to navigate up one level in the application structure. For

// more details, see the Navigation pattern on Android Design:

//

// http://developer.android.com/design/patterns/navigation.html#up-vs-back

//

NavUtils.*navigateUpFromSameTask*(**this**);

**return** **true**;

}

**return** **super**.onOptionsItemSelected(item);

}

}

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:paddingBottom=*"@dimen/activity\_vertical\_margin"*

android:paddingLeft=*"@dimen/activity\_horizontal\_margin"*

android:paddingRight=*"@dimen/activity\_horizontal\_margin"*

android:paddingTop=*"@dimen/activity\_vertical\_margin"*

tools:context=*".DisplayMessageActivity"* >

<TextView

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

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

android:text=*"@string/hello\_world"* />

</RelativeLayout>