Main Activity

package com.abdullah.tp3\_twoactivities;

import android.content.Intent;

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

import android.util.Log;

import android.view.View;

import android.widget.EditText;

import android.widget.TextView;

public class MainActivity extends AppCompatActivity {

// Class name for Log tag

private static final String LOG\_TAG = MainActivity.class.getSimpleName();

// Unique tag required for the intent extra

public static final String EXTRA\_MESSAGE = "com.example.android.tp3\_twoactivities.extra.MESSAGE";

// Unique tag for the intent reply

public static final int TEXT\_REQUEST = 1;

// EditText view for the message

private EditText mMessageEditText;

// TextView for the reply header

private TextView mReplyHeadTextView;

// TextView for the reply body

private TextView mReplyTextView;

/\*\*

\* Initializes the activity.

\*

\* @param savedInstanceState The current state data.

\*/

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

// Initialize all the view variables.

mMessageEditText = (EditText) findViewById(R.id.editText\_main);

mReplyHeadTextView = (TextView) findViewById(R.id.text\_header\_reply);

mReplyTextView = (TextView) findViewById(R.id.text\_message\_reply);

}

/\*\*

\* Handle the onClick for the "Send" button. Gets the value of the main EditText,

\* creates an intent, and launches the second activity with that intent.

\*

\* The return intent from the second activity is onActivityResult().

\* @param view The view (Button) that was clicked.

\*/

public void launchSecondActivity(View view) {

Log.d(LOG\_TAG, "Button clicked!");

Intent intent = new Intent(this, SecondActivity.class);

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

intent.putExtra(EXTRA\_MESSAGE, message);

startActivityForResult(intent, TEXT\_REQUEST);

}

/\*\*

\* Handle the data in the return intent from SecondActivity.

\*

\* @param requestCode Code for the SecondActivity request.

\* @param resultCode Code that comes back from SecondActivity.

\* @param data Intent data sent back from SecondActivity.

\*/

@Override

public void onActivityResult(int requestCode, int resultCode, Intent data) {

super.onActivityResult(requestCode, resultCode, data);

// Test for the right intent reply

if (requestCode == TEXT\_REQUEST) {

// Test to make sure the intent reply result was good.

if (resultCode == RESULT\_OK) {

String reply = data.getStringExtra(SecondActivity.EXTRA\_REPLY);

// Make the reply head visible.

mReplyHeadTextView.setVisibility(View.VISIBLE);

// Set the reply and make it visible.

mReplyTextView.setText(reply);

mReplyTextView.setVisibility(View.VISIBLE);

}

}

}

}

Second Activity

package com.abdullah.tp3\_twoactivities;

import android.content.Intent;

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.EditText;

import android.widget.TextView;

/\*\*

\* SecondActivity defines the second activity in the app. It is launched from an intent

\* with a message, and sends an intent back with a second message.

\*/

public class SecondActivity extends AppCompatActivity {

// Unique tag for the intent reply.

public static final String EXTRA\_REPLY = "com.example.android.tp3\_twoactivities.extra.REPLY";

// EditText for the reply.

private EditText mReply;

/\*\*

\* Initializes the activity.

\*

\* @param savedInstanceState The current state data

\*/

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_second);

// Initialize view variables.

mReply = (EditText) findViewById(R.id.editText\_second);

// Get the intent that launched this activity, and the message in

// the intent extra.

Intent intent = getIntent();

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

// Put that message into the text\_message TextView

TextView textView = (TextView) findViewById(R.id.text\_message);

if (textView != null) {

textView.setText(message);

}

}

/\*\*

\* Handle the onClick for the "Reply" button. Gets the message from the second EditText,

\* creates an intent, and returns that message back to the main activity.

\*

\* @param view The view (Button) that was clicked.

\*/

public void returnReply(View view) {

// Get the reply message from the edit text.

String reply = mReply.getText().toString();

// Create a new intent for the reply, add the reply message to it as an extra,

// set the intent result, and close the activity.

Intent replyIntent = new Intent();

replyIntent.putExtra(EXTRA\_REPLY, reply);

setResult(RESULT\_OK, replyIntent);

finish();

}

}