**Ubiquitous Computing – Lab 2 (8 %)**

Q1 (2%). Expand the user details form lab 1 so that the message saying “Thank you <persons name>, your request is being processed” is on a new Screen, i.e. create a new Activity and start it using an Intent object. The person’s name should be sent as part of the Intent object.

Q2 (2%). Repeat Question 1 but this time use an implicit intent to send the message as an email to the recipient. You should have received their email address in the form. See the following link for example code:

https://developer.android.com/guide/components/intents-common.html#Email

Q3 (4%).

* Write an Android application that presents the user with an editable TextView where they can enter the URL of an image stored online.
* Give them a button on the same screen called “Retrieve Image”. When the user clicks this button the app should retrieve the image from the web. It should do this in a separate thread.
* When the image is downloaded it should be displayed on the same Screen (use an ImageView).
* Here is a method to download an image from the web (or you can use the BitmapFactory decodeStream):

//some imports

import java.io.InputStream;

import java.net.URL;

import android.graphics.drawable.Drawable;

Drawable loadImageFromNetwork(String url)

{

try

{

InputStream is = (InputStream) new URL(url).getContent();

Drawable d = Drawable.createFromStream(is, "src name");

return d;

} catch (Exception e)

{

System.out.println("Exc=" + e);

return null;

}

}