Your Job Today: Communication Geek: Program a simple E-mail System
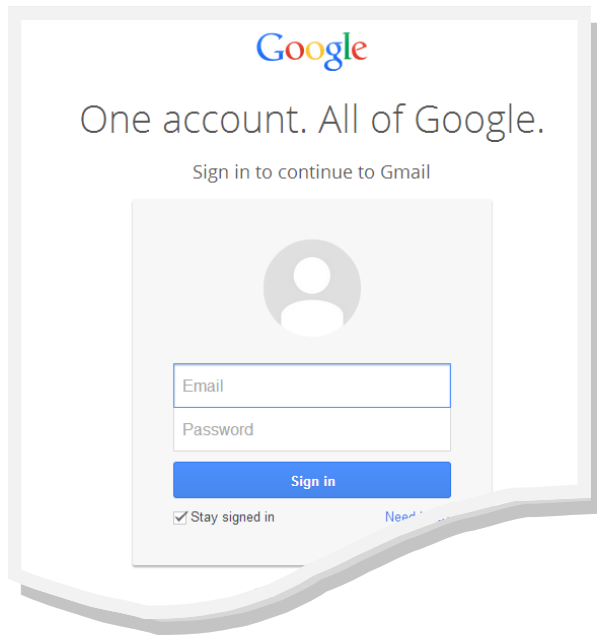
Today you are going to create a simple Email system. This will use a **Gmail account** that you will need to sign up for first— Log on and sign up:

Next step is to boot up the Raspberry Pi and load IDLE to create your Python program.

The program uses Python's **smtplib**.

The **smtp library**, **S**imple **M**ail **T**ransfer **P**rotocol controls the sending and receiving of the emails.

Load Python and enter the following code:

```
import smtplib
#This is Gmail's Email server details
server = smtplib.SMTP('smtp.gmail.com', 587)
#Identifies the features of the email server
server.ehlo()
#A method of upgrading plain text connection to an encrypted one
server.starttls()
#Identifies the features of the email server
server.ehlo()
#message is the variable where you enter the content of you email
message = "Enter your message here"
#Use server.login to log into Gmail's
server.login("your_email_address_here", "your_password_here")
#Use server.sendmail to send the Email
server.sendmail("your_email_address_here", "their_adresss", message)
```

- Well done you have created the code, now test it

- Send a test email to check the code

- Did it work? Debug as required

Extension Activities:

1) Add a line of code to create a variable that will allow the user to enter any message

2) Add a line of code to create a variable that will allow the user to enter any email address and send to any user

3) Use the **time.sleep()** code to delay the message being sent

4) Create a definition / function for the whole program

5) Create a variable for storing the email addresses of recipient so that you can email by entering their nickname and not their whole email address.

Well done ,

Good Job!