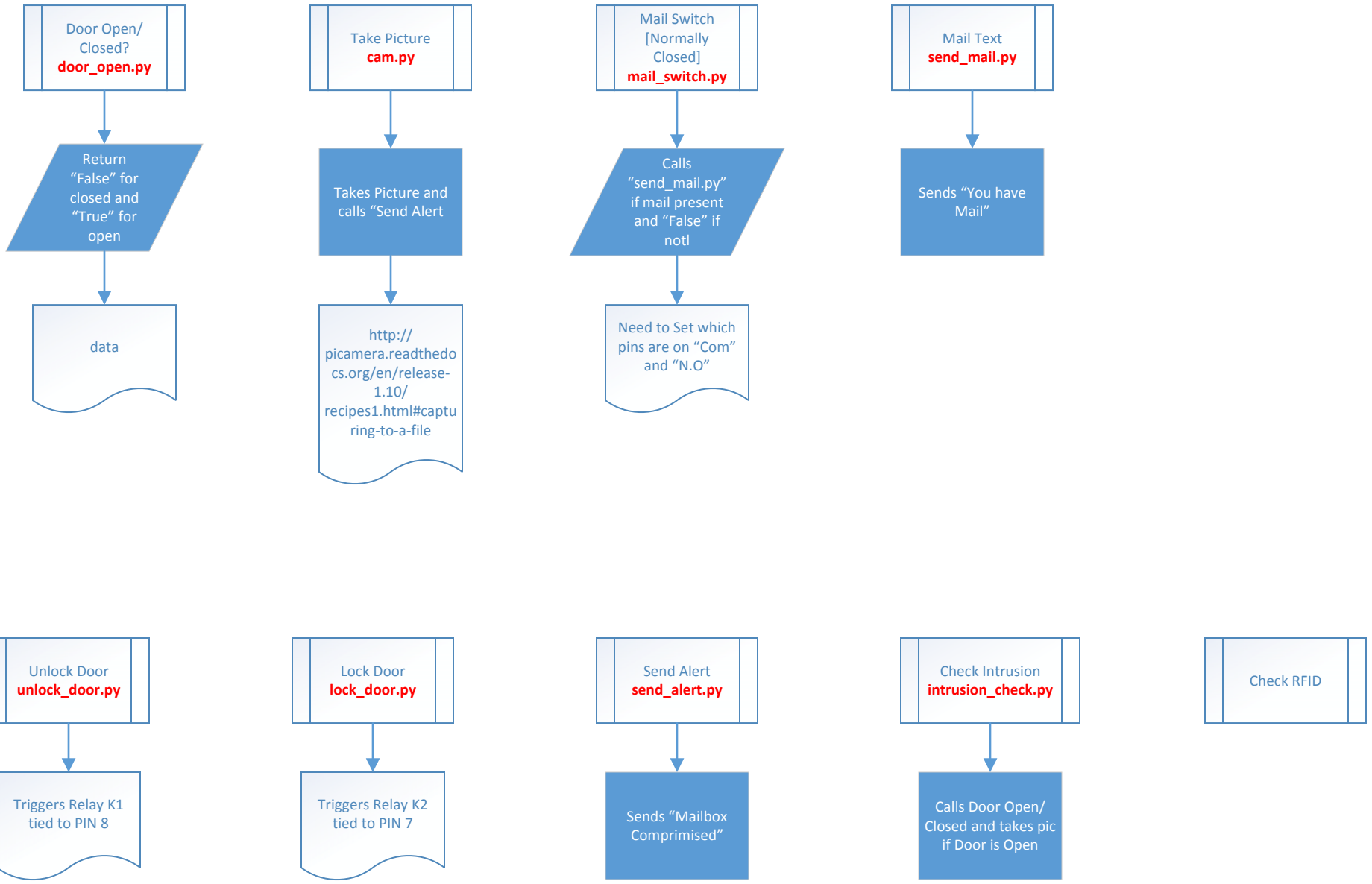
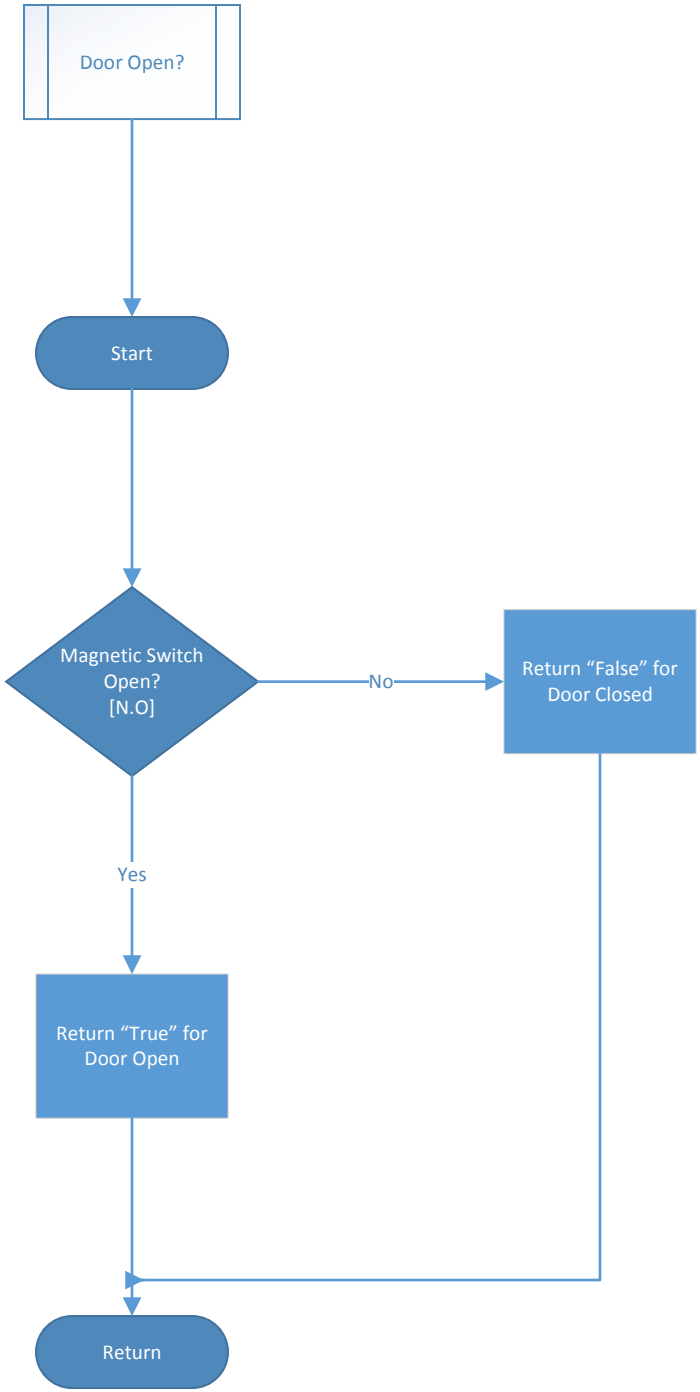
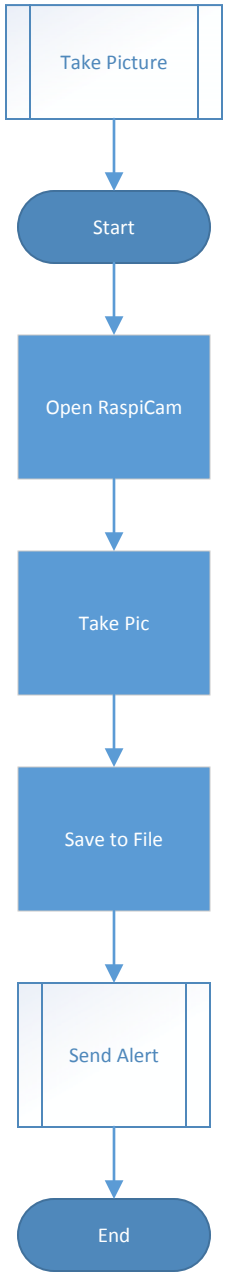
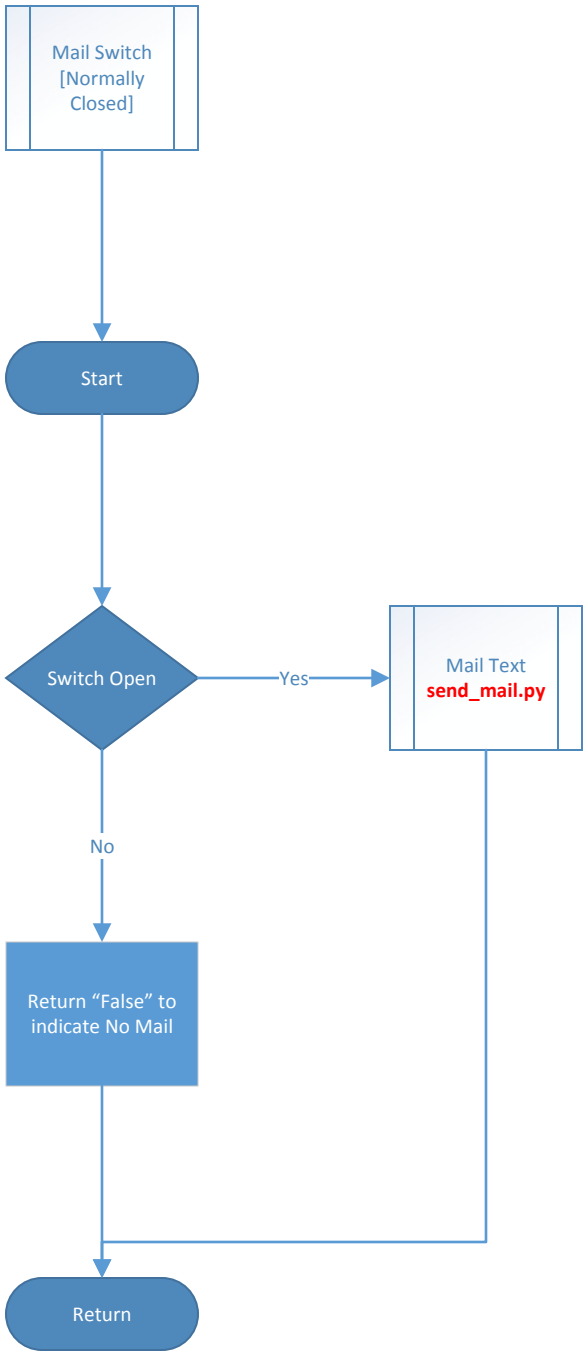
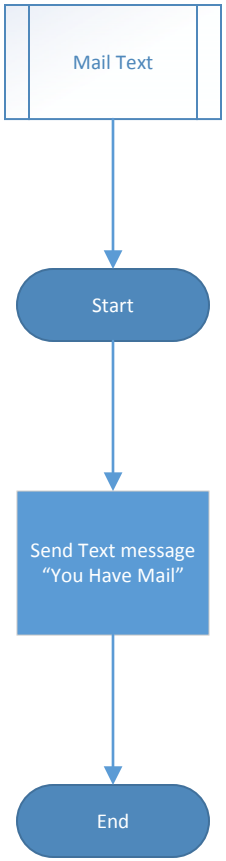
Subroutines

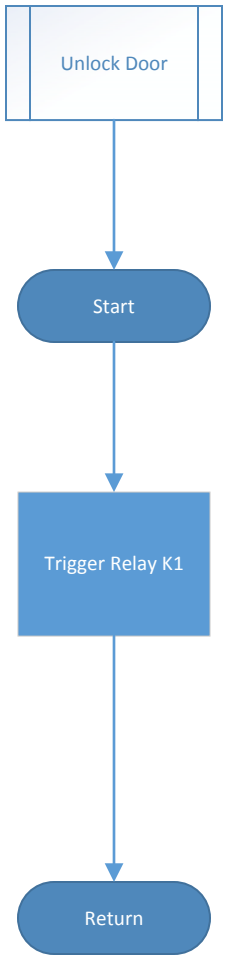


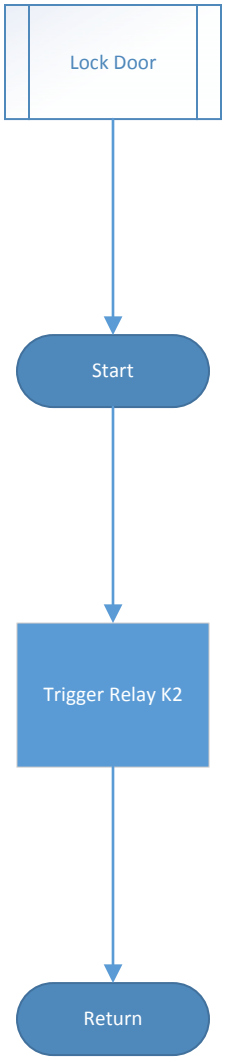

Door Open?
Start
Magnetic Switch Open? [N.O]
No
Return “False” for Door Closed
Yes
Return “True” for Door Open
Return

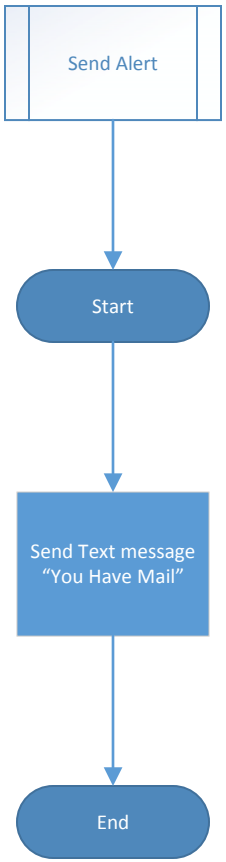

Take Picture
Start
Open RaspiCam
Take Pic
Save to File
Send Alert
End

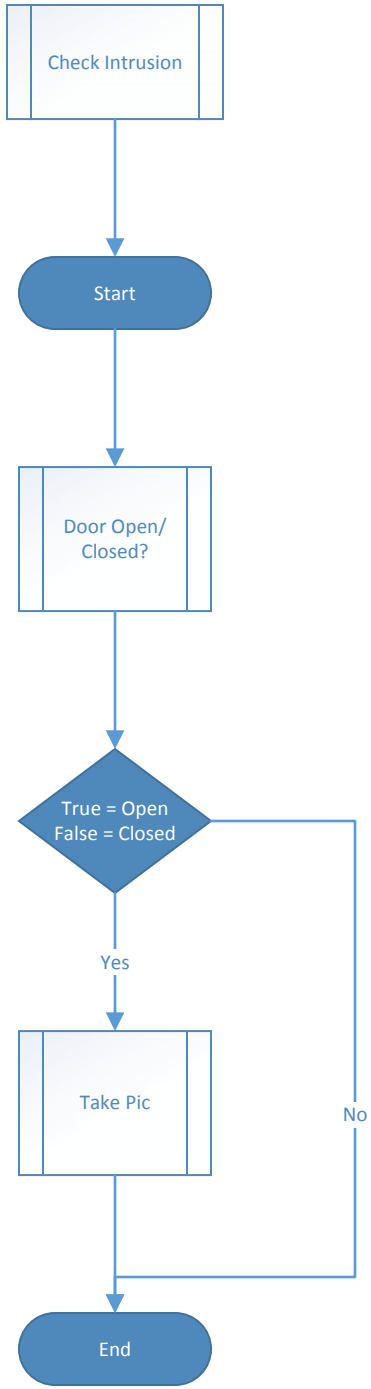

Mail Switch [Normally Closed]
Start
Switch Open
Yes
Mail Text
send_mail.py
No
Return “False” to indicate No Mail
Return


Mail Text
Start
Send Text message
“You Have Mail”
End


Unlock Door
Start
Trigger Relay K1
Return


Lock Door
Start
Trigger Relay K2
Return


Send Alert
Start
Send Text message
“You Have Mail”
End


Check Intrusion
Start
Door Open/
Closed?
True = Open
False = Closed
Yes
No
Take Pic
End

Check RFID