

Mastering Embedded System Online Diploma

www.learn-in-depth.com

First Term (Final Project 1)

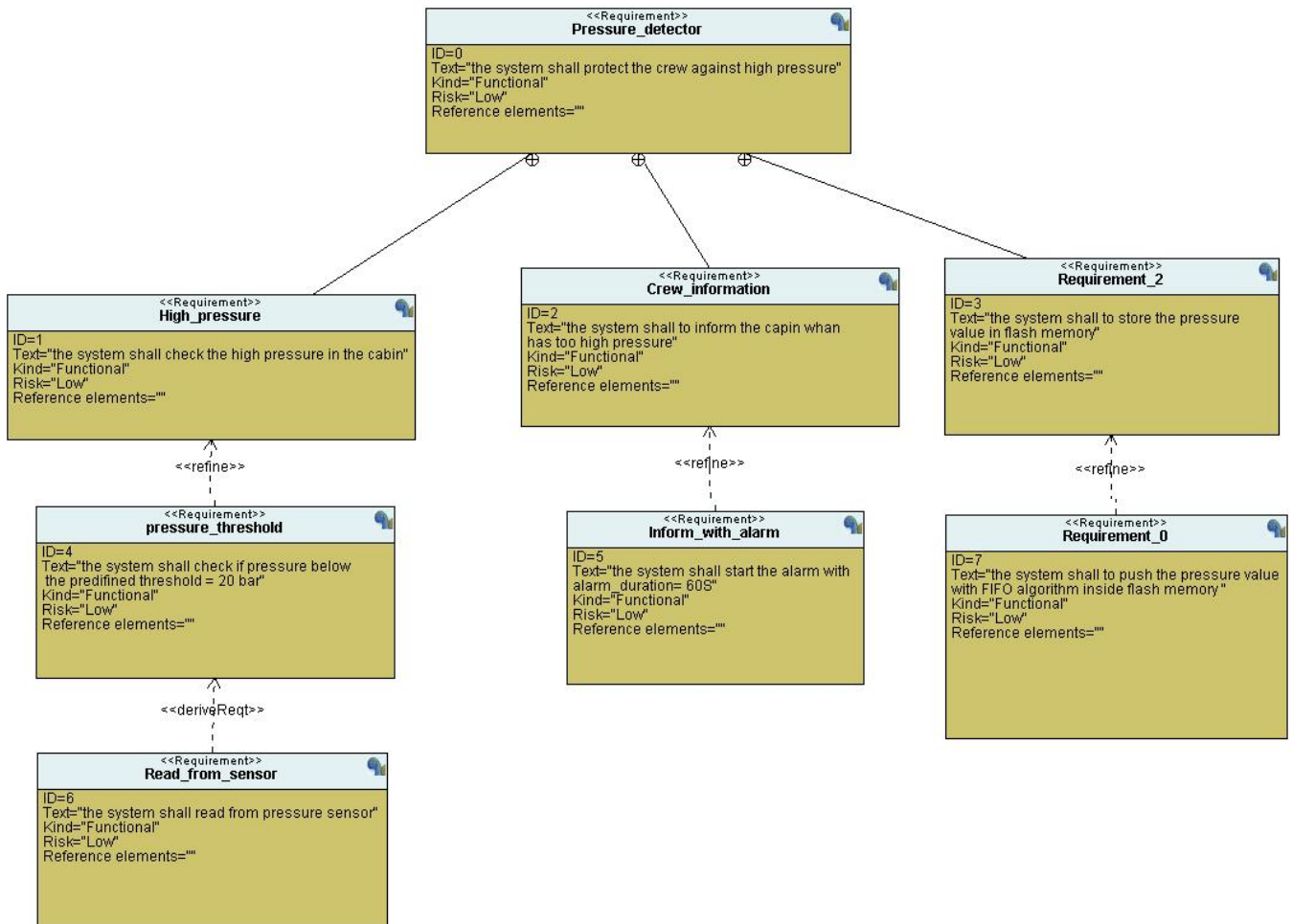
Eng. Omar adel shahin

My Profile:

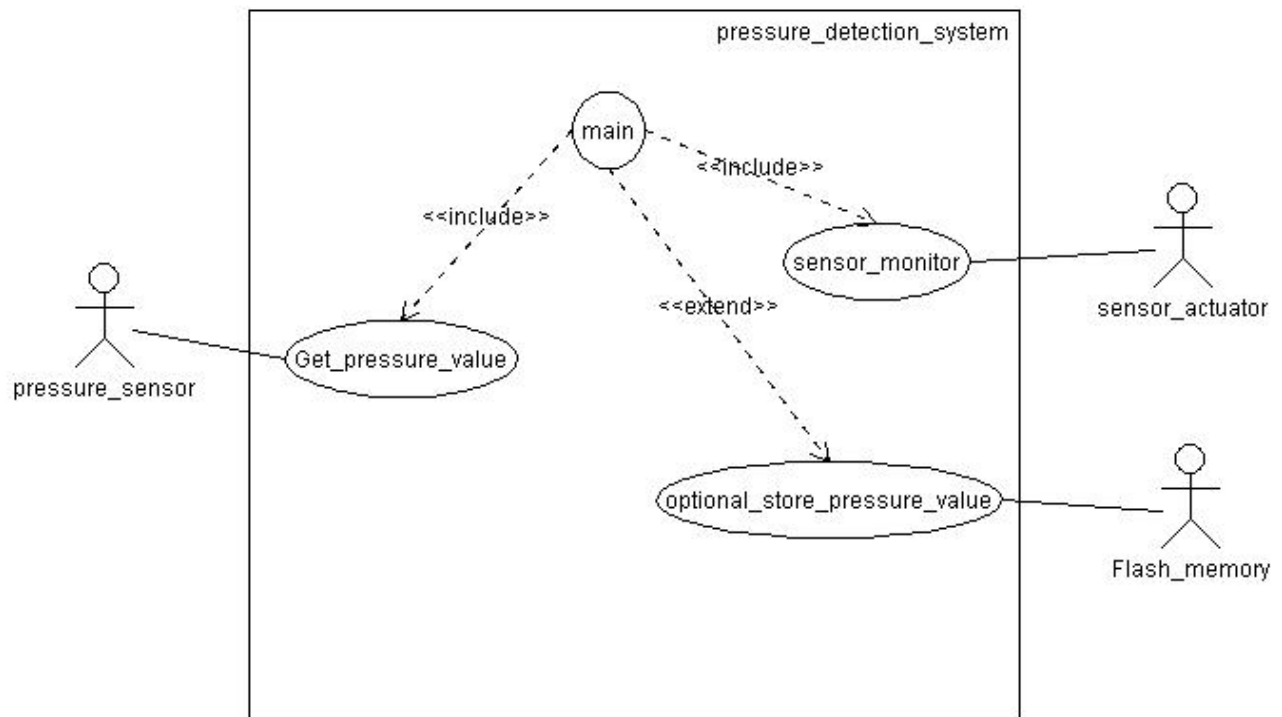
<<https://www.learn-in-depth.com/online-diploma/omarmiamia235%40gmail.com>>

REPORT

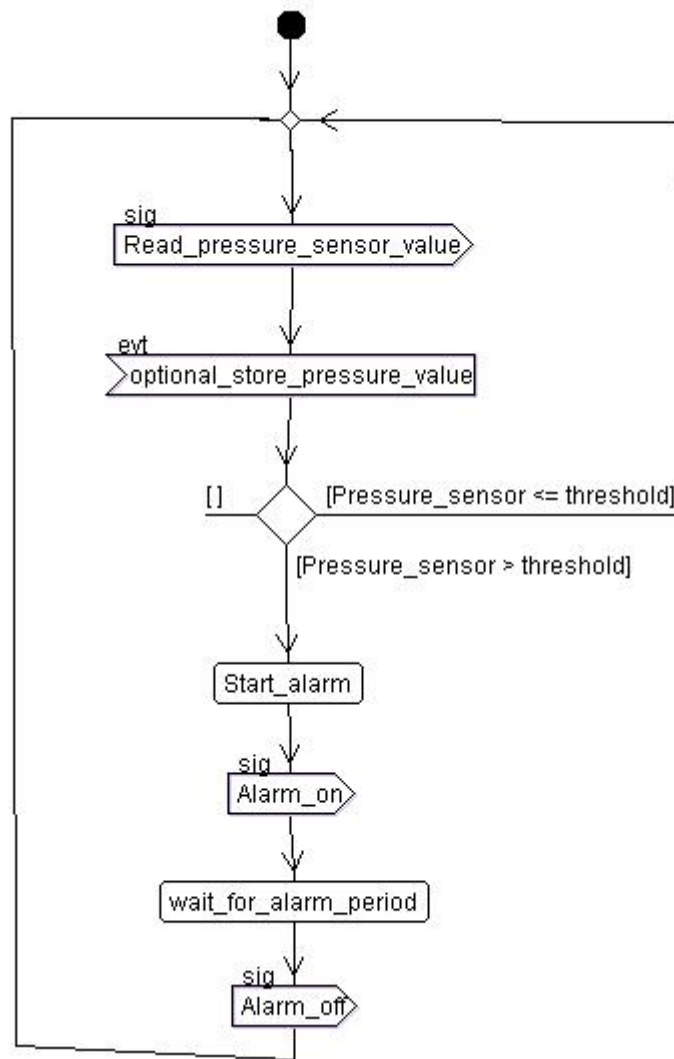
REQUIREMENT DIAGRAM



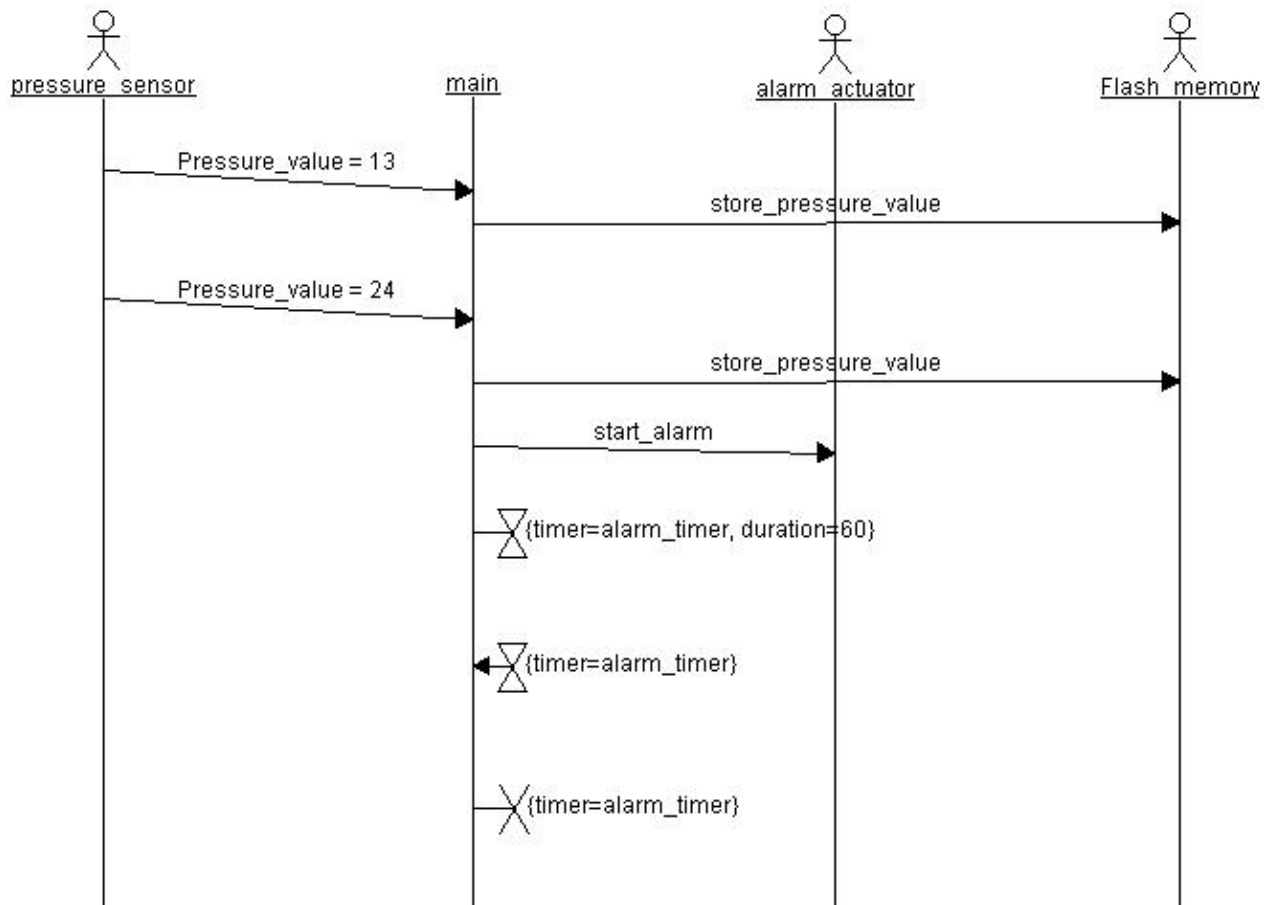
SYSTEM ANALYSES : USE CASE DIAGRAM



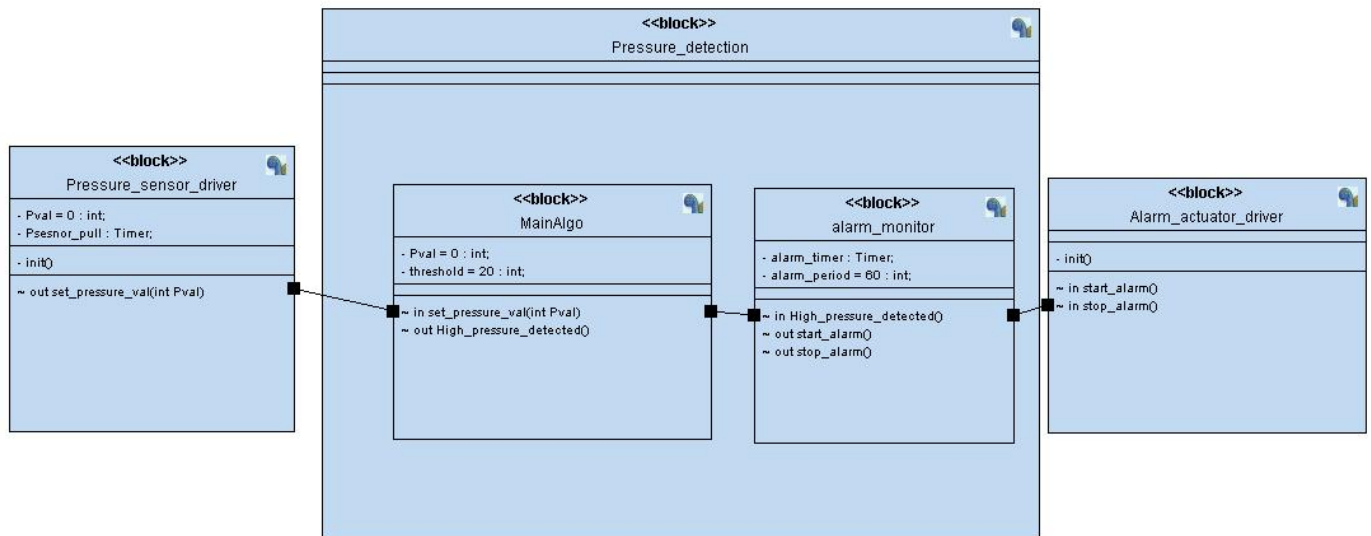
SYSTEM ANALYSES : ACTIVITY DIAGRAM



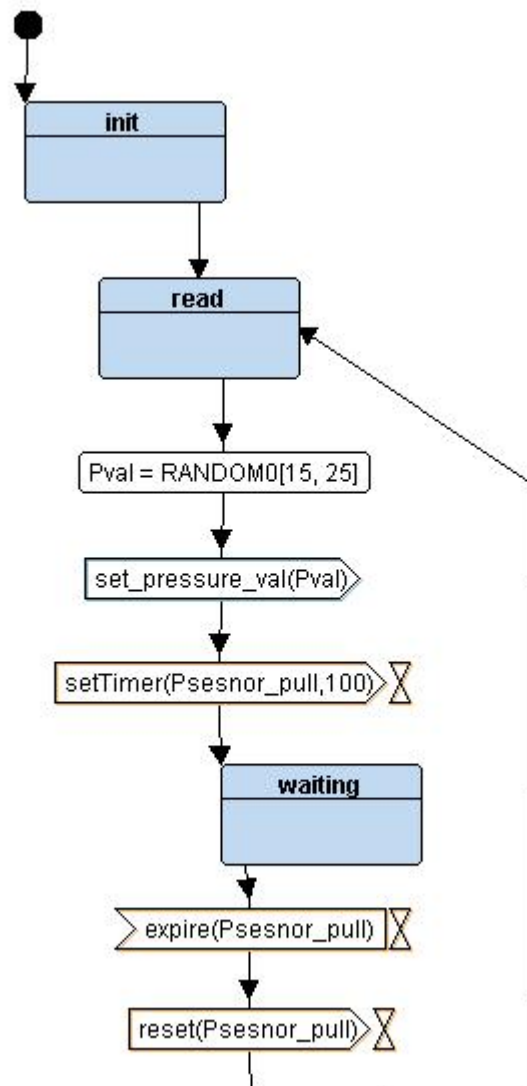
SYSTEM ANALYSES : SEQUENCE DIAGRAM



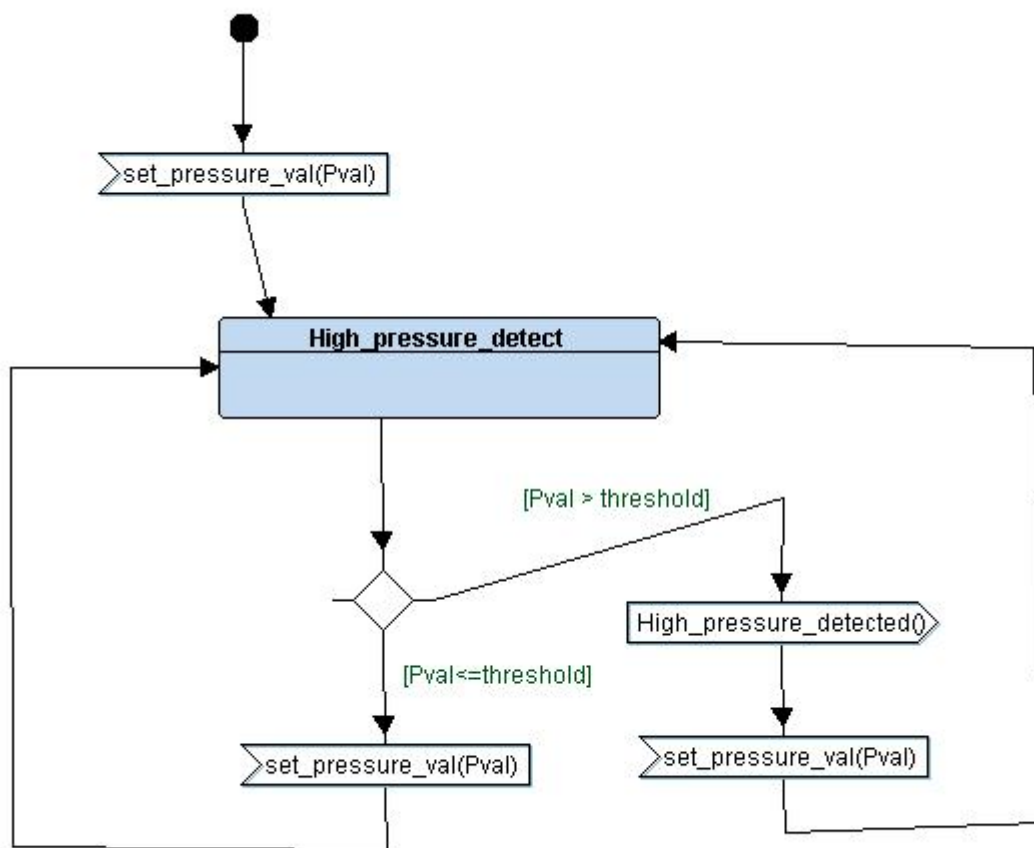
SYSTEM DESIGN



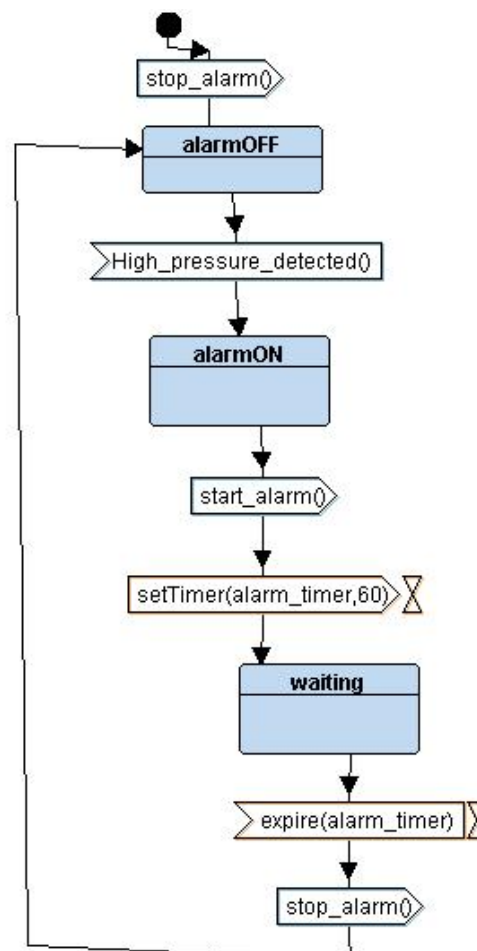
Pressure sensor driver block:



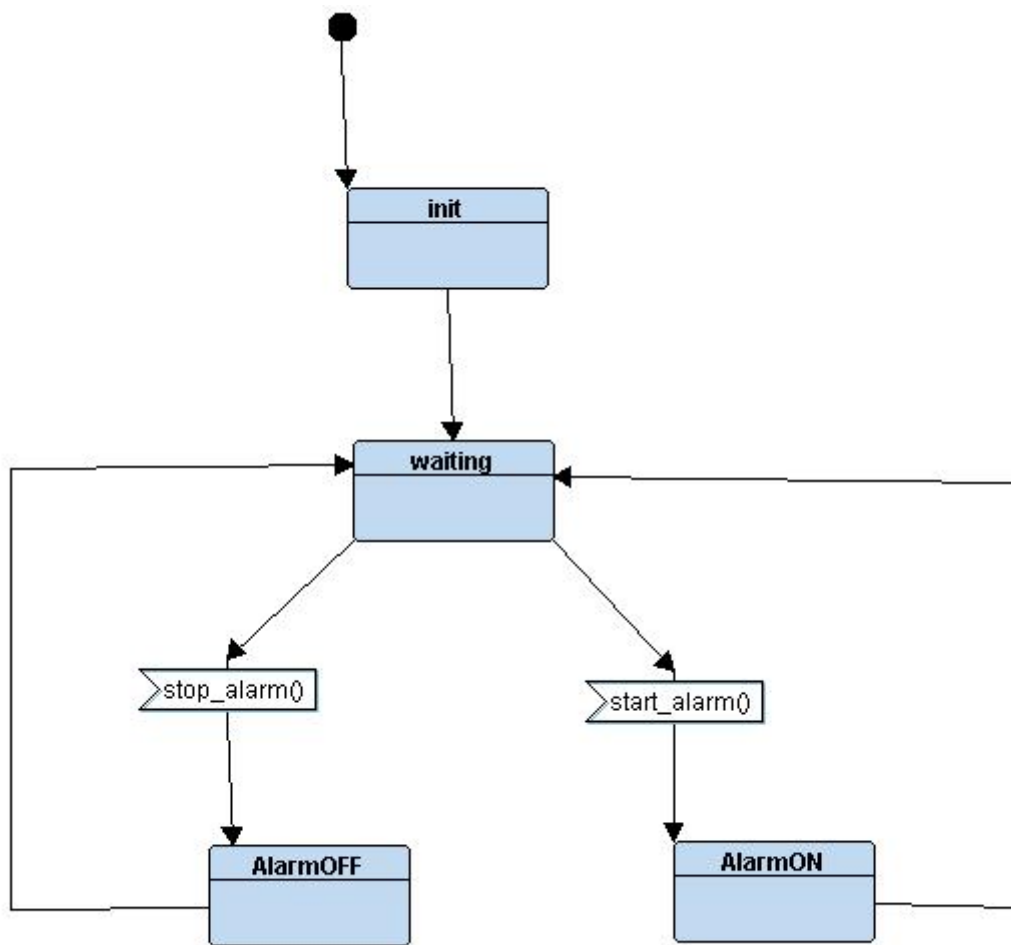
MainALG block:



Alarm monitor block:

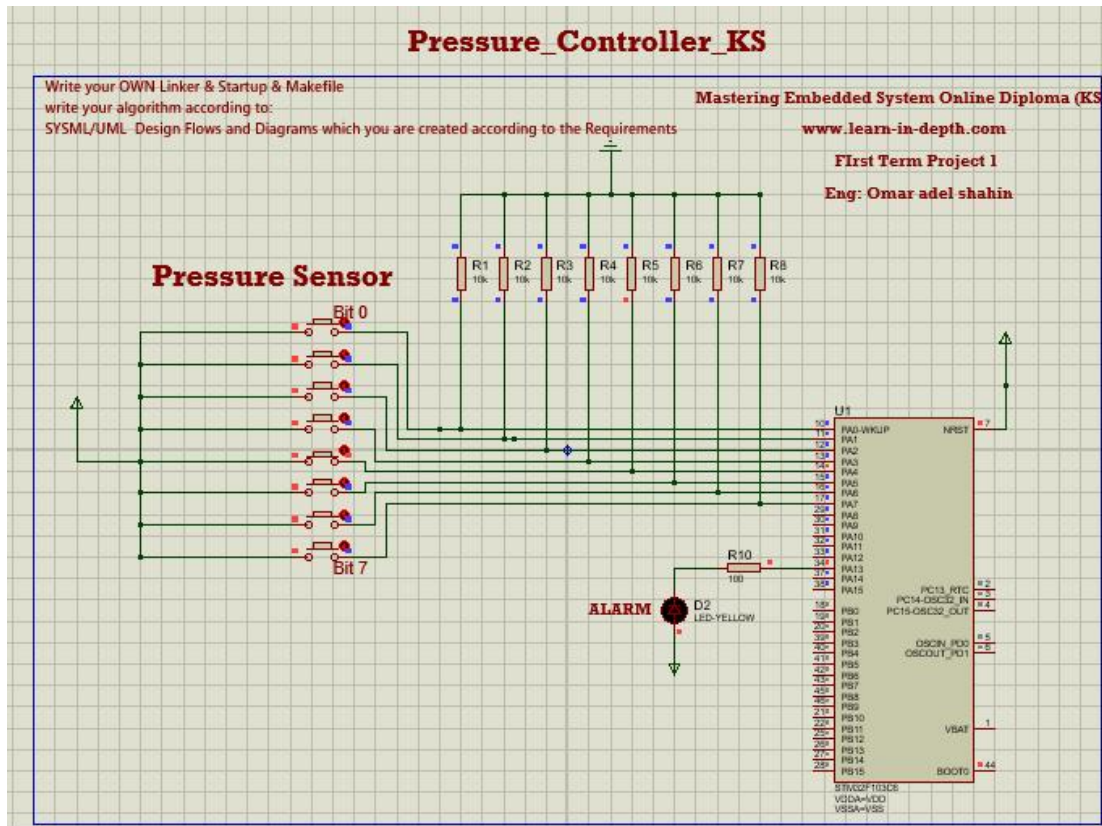


Alarm actuator block:



PROTEUS

- pressure = 16 ---> alarm off



pressure = 24 ---> alarm on

