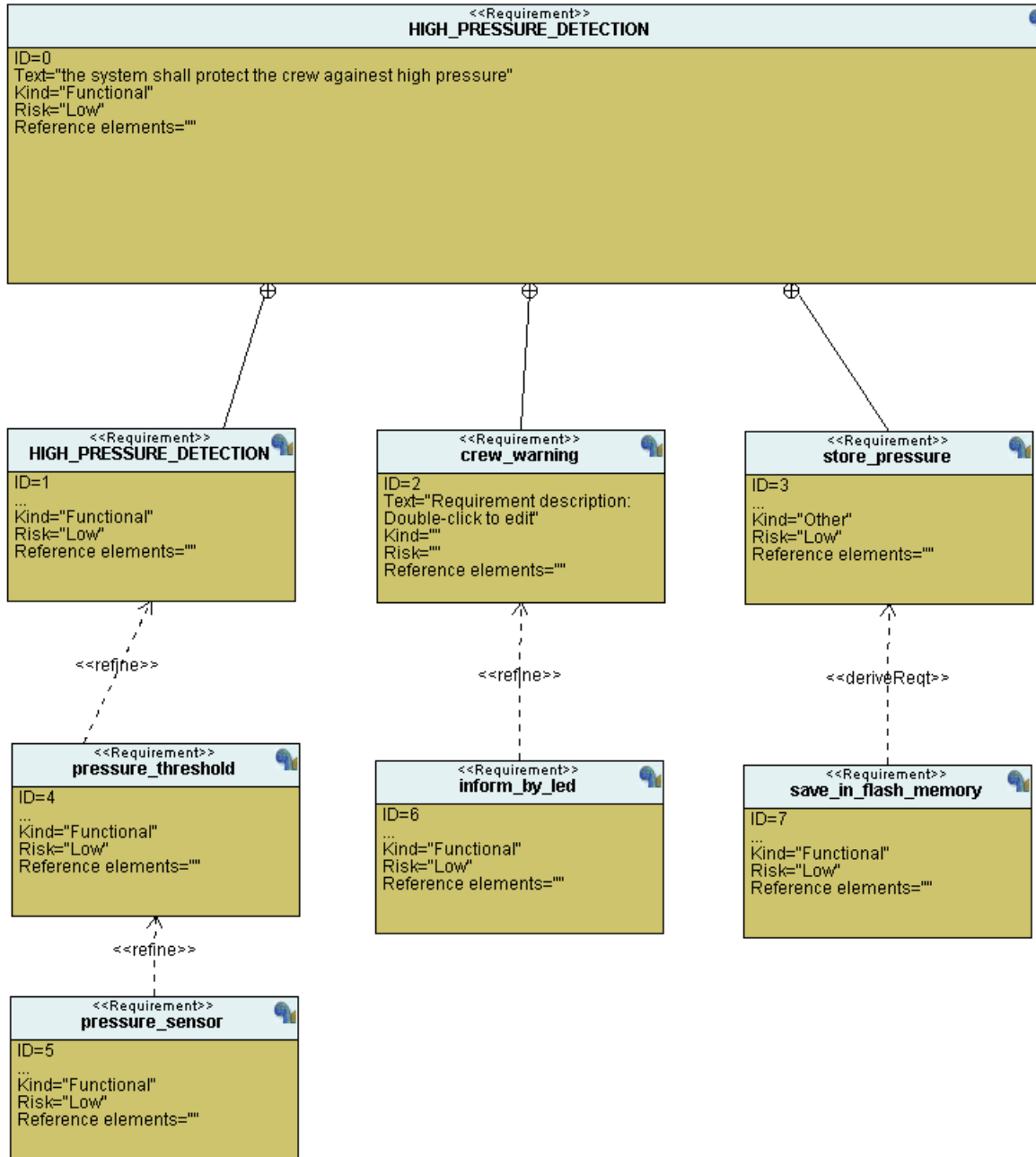


Pressure Controlling System

Abdulrahman Mahmoud Abutalib

Learn-In-Depth

● System Requirements :

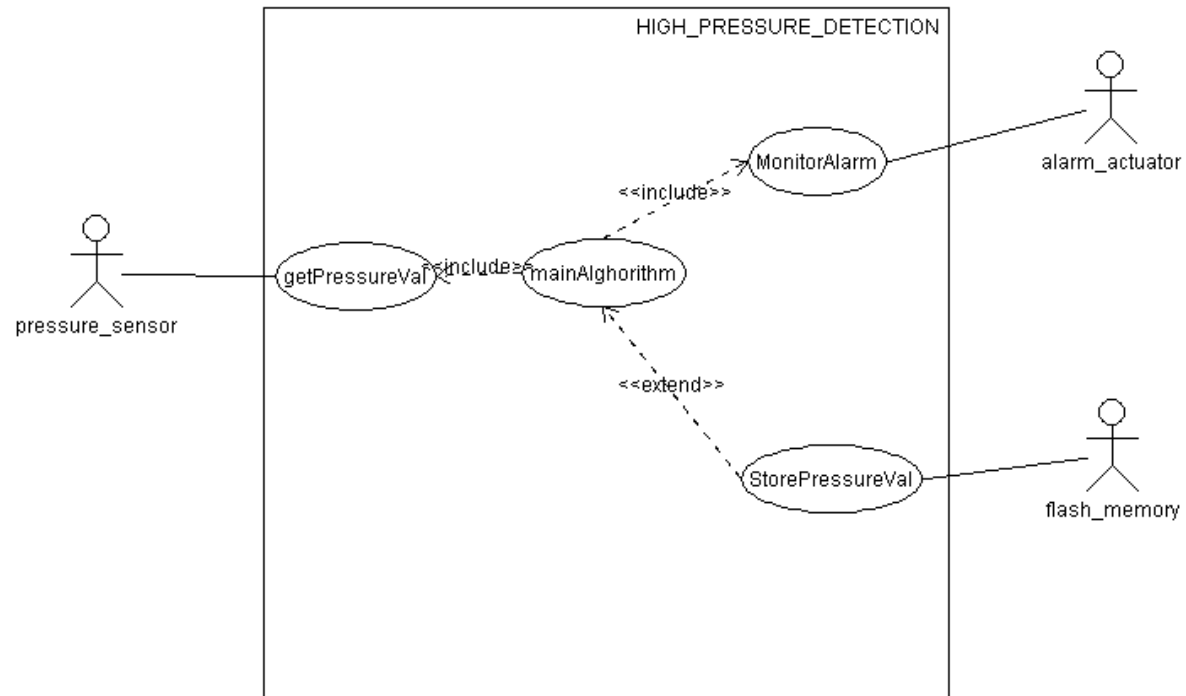


● System hardware partitioning :

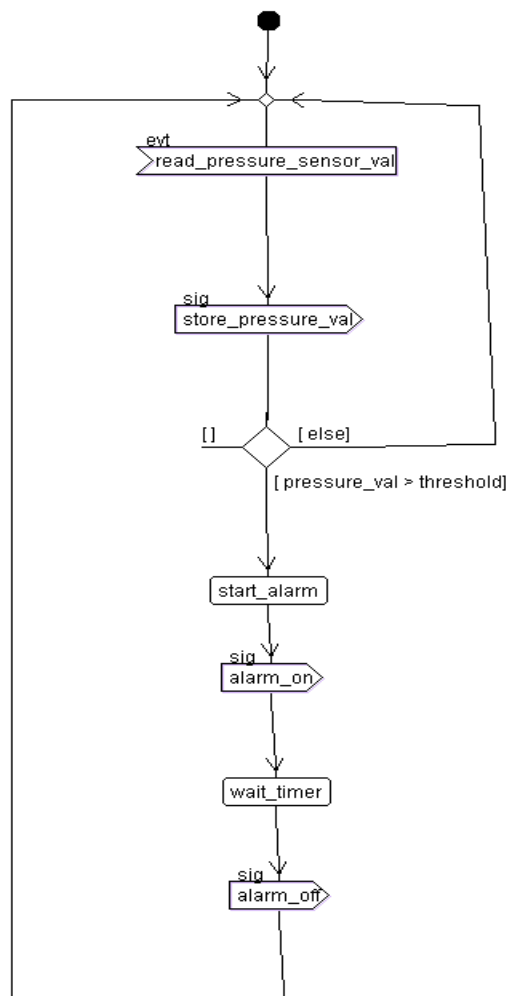
Stm32f103c6 (cortex-m3)

System Analysis :

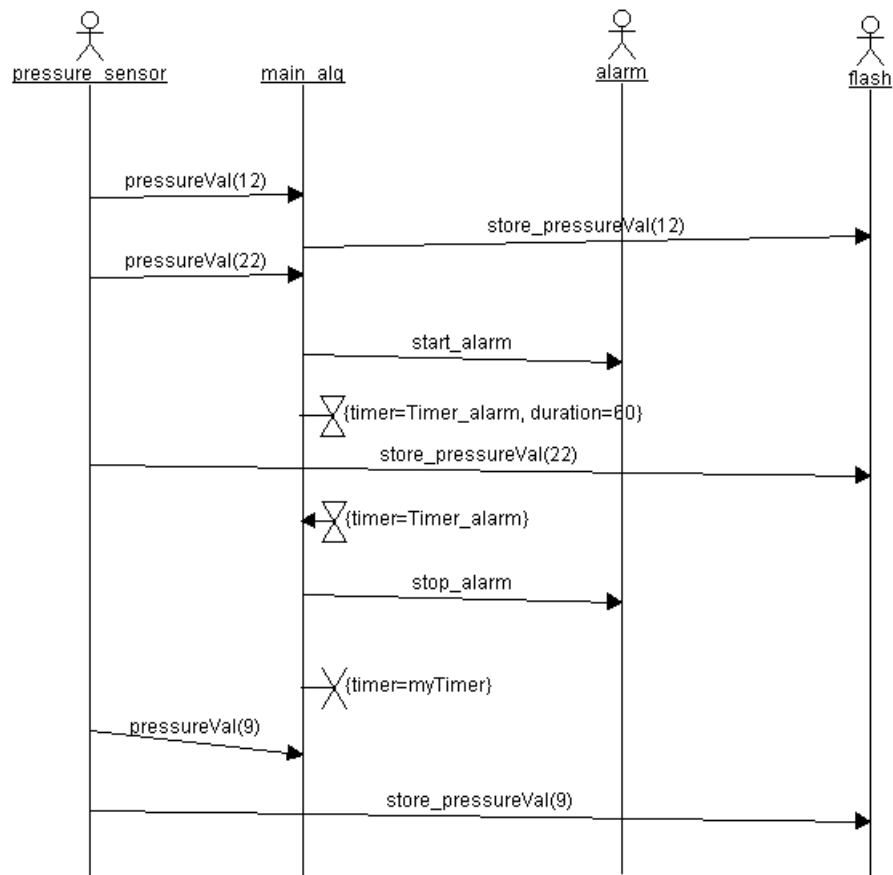
- use case study



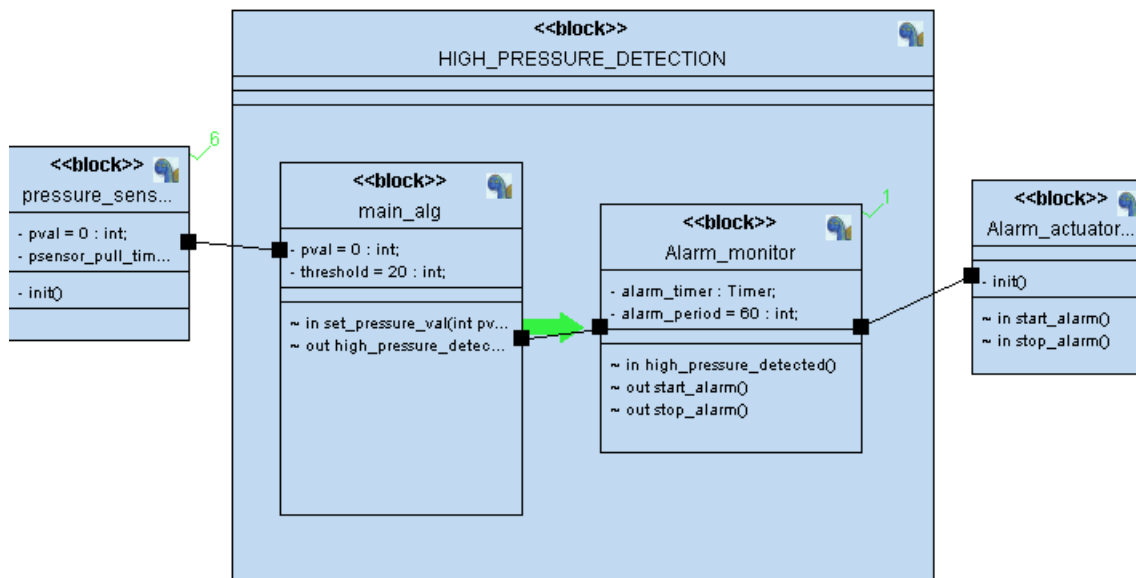
Activity diagram :



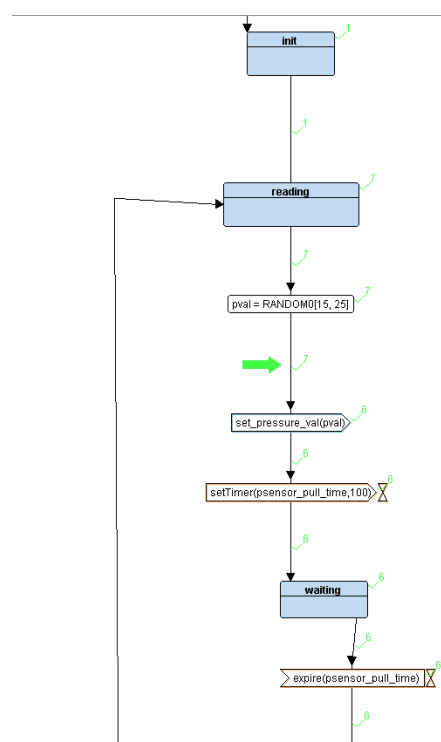
- Sequence diagram :



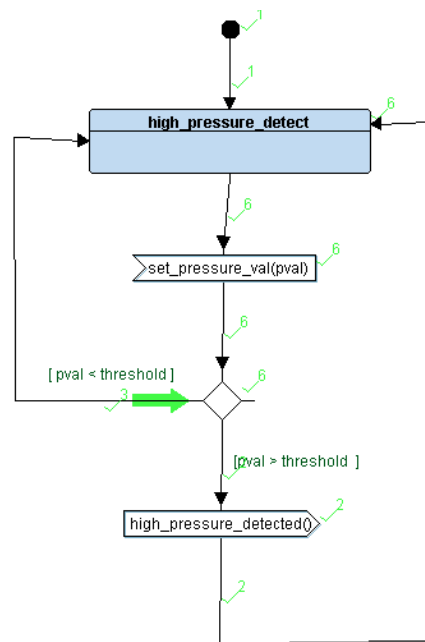
System design :



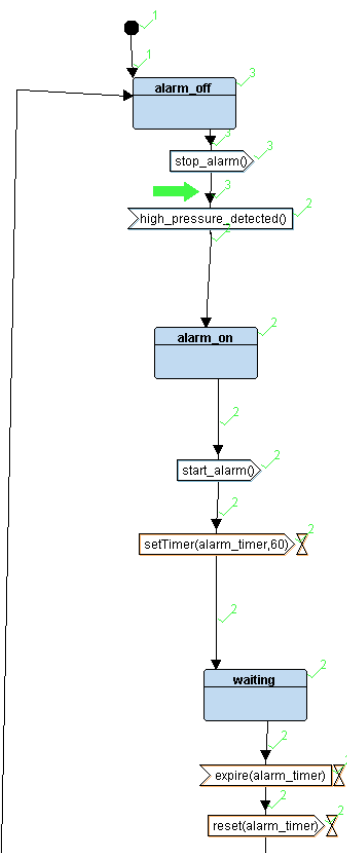
- pressure sensor diagram :



- Algorithm :



- Alarm monitor :



- Alarm actuator :

