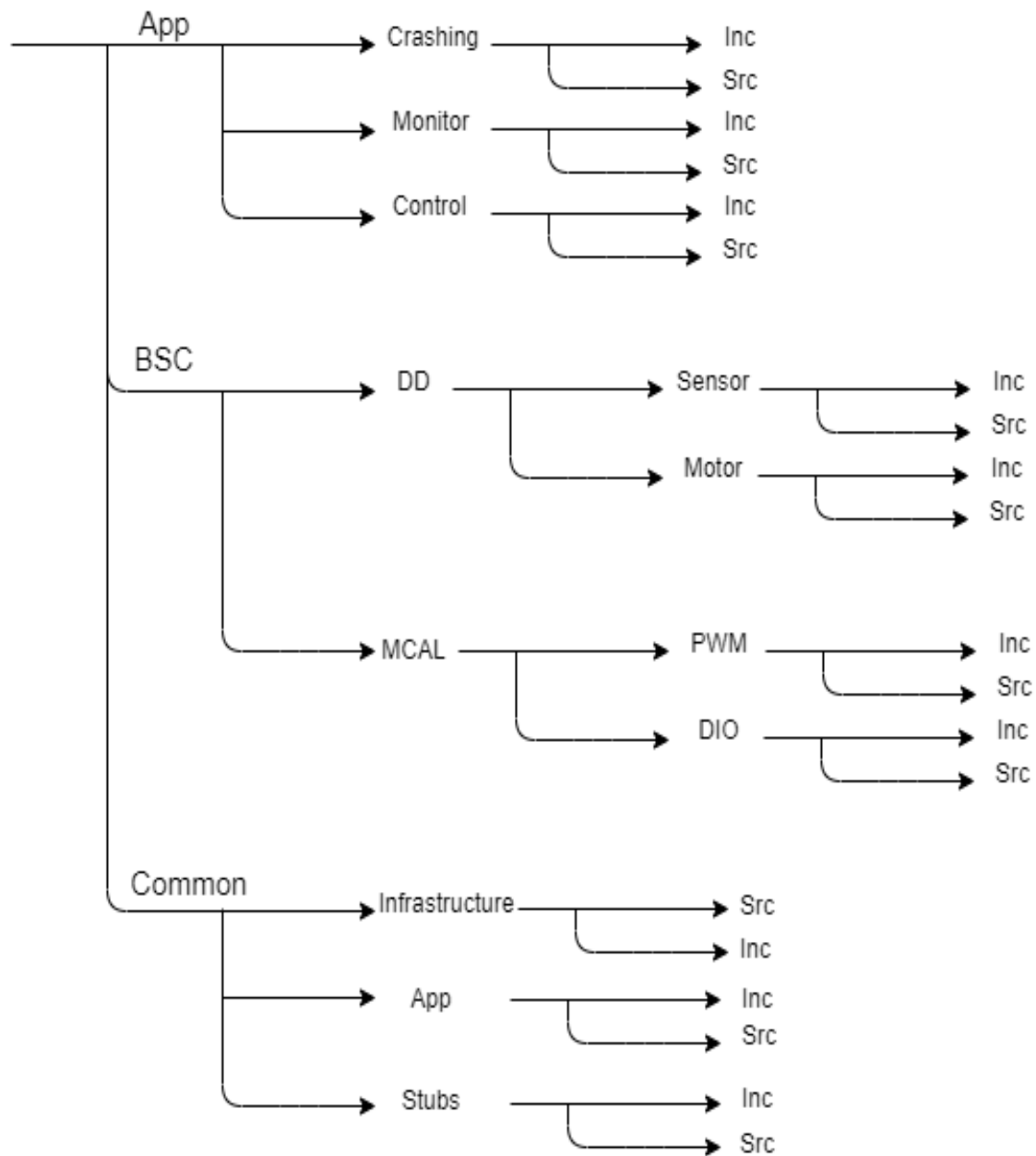


Crashing Avoidance robot (Design)

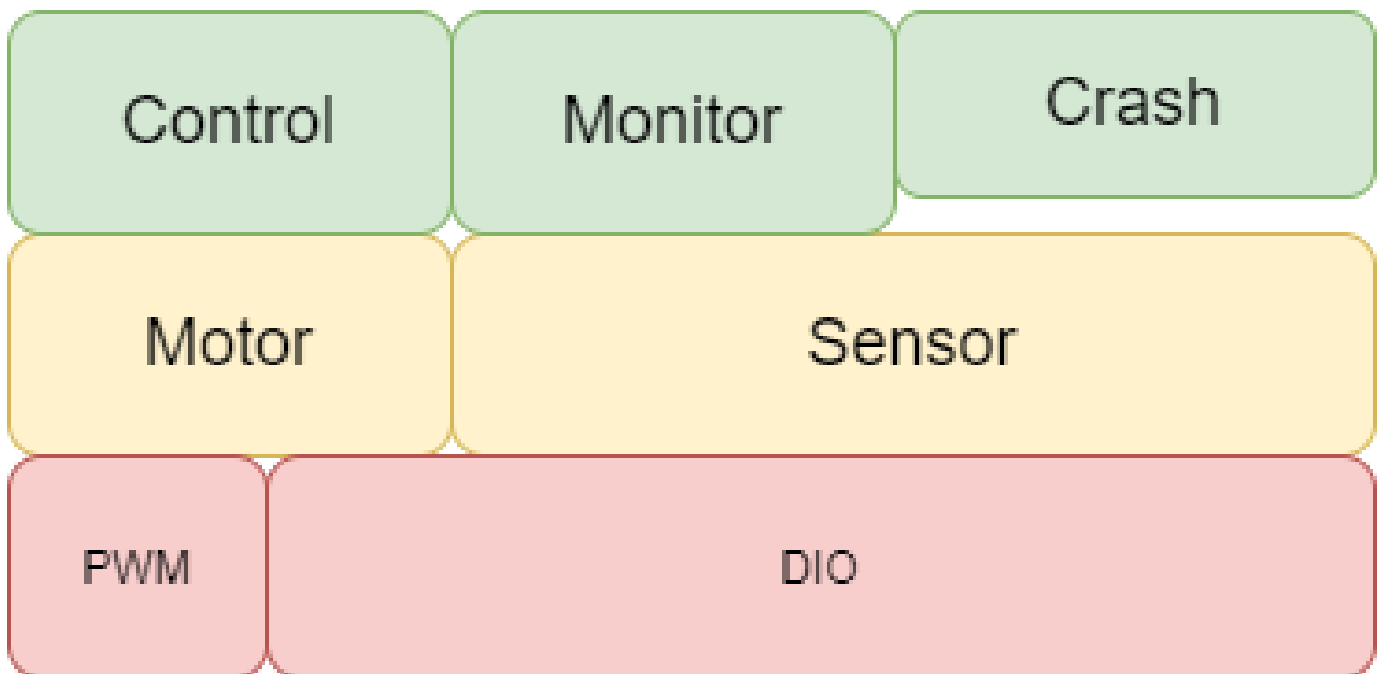
By/ [Ahmed Maged](#)

1 – Folder Structure



2 – Static Design

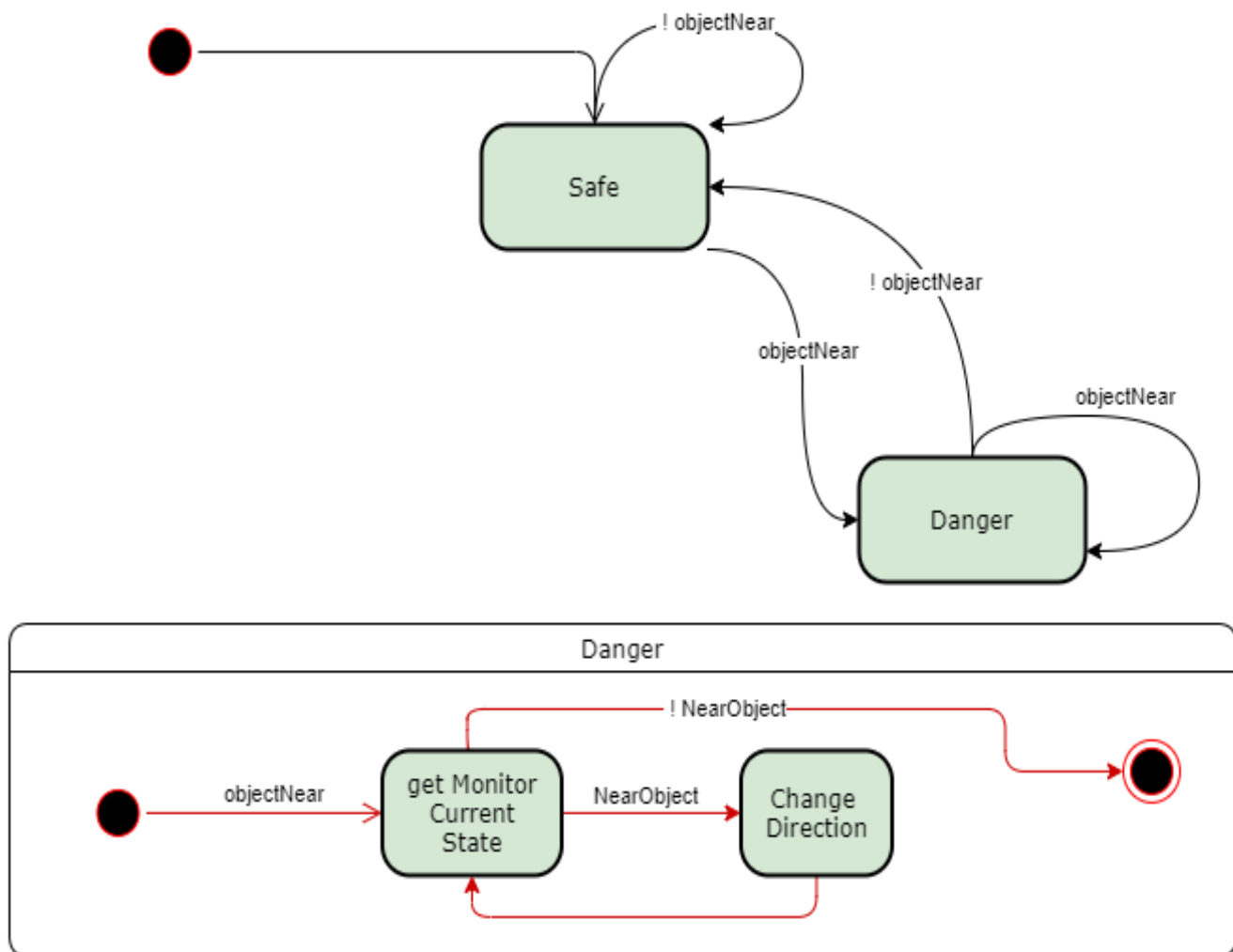
Layered Architecture.



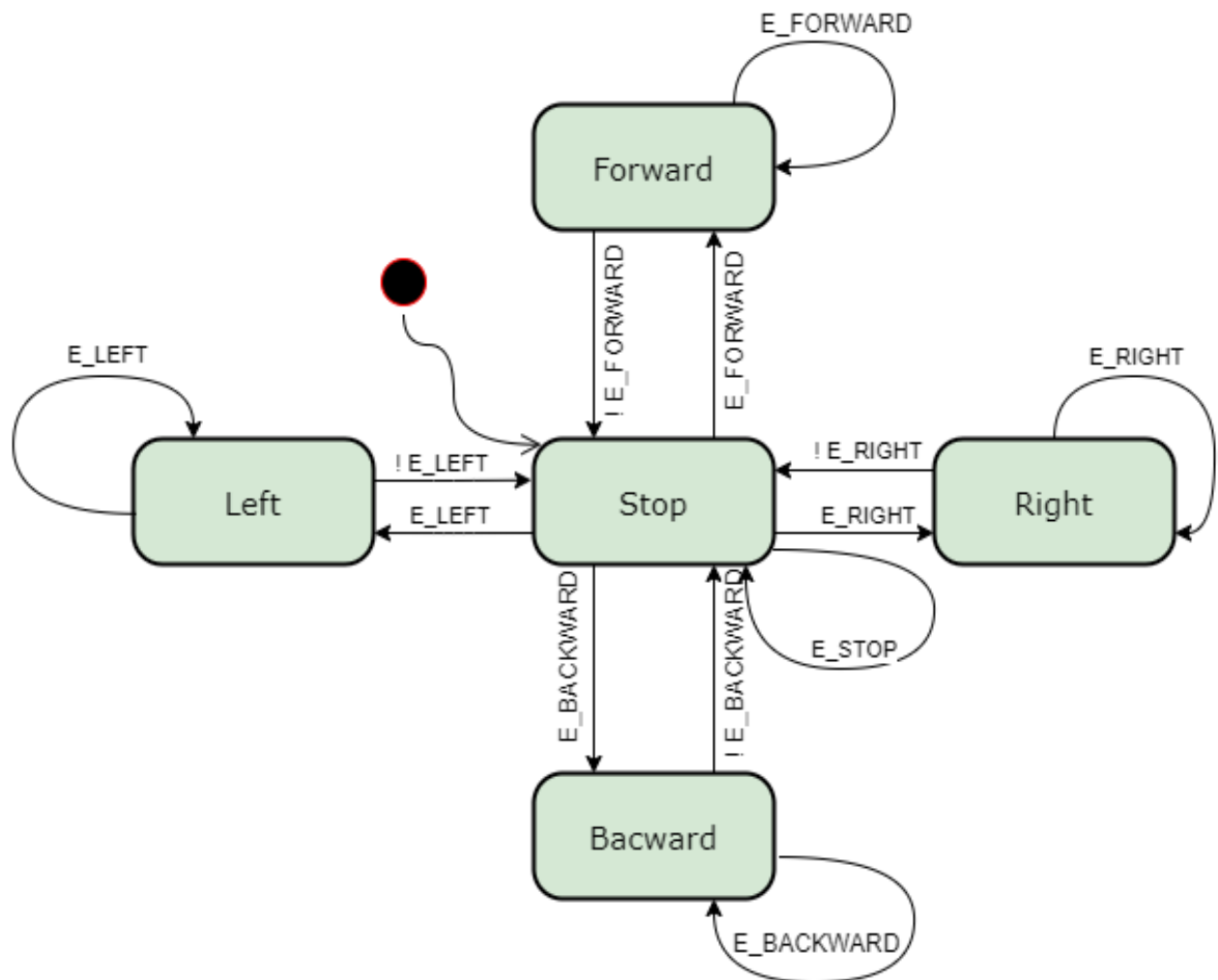
3 – Dynamic Design

A – Crashing module State machine

Crashing

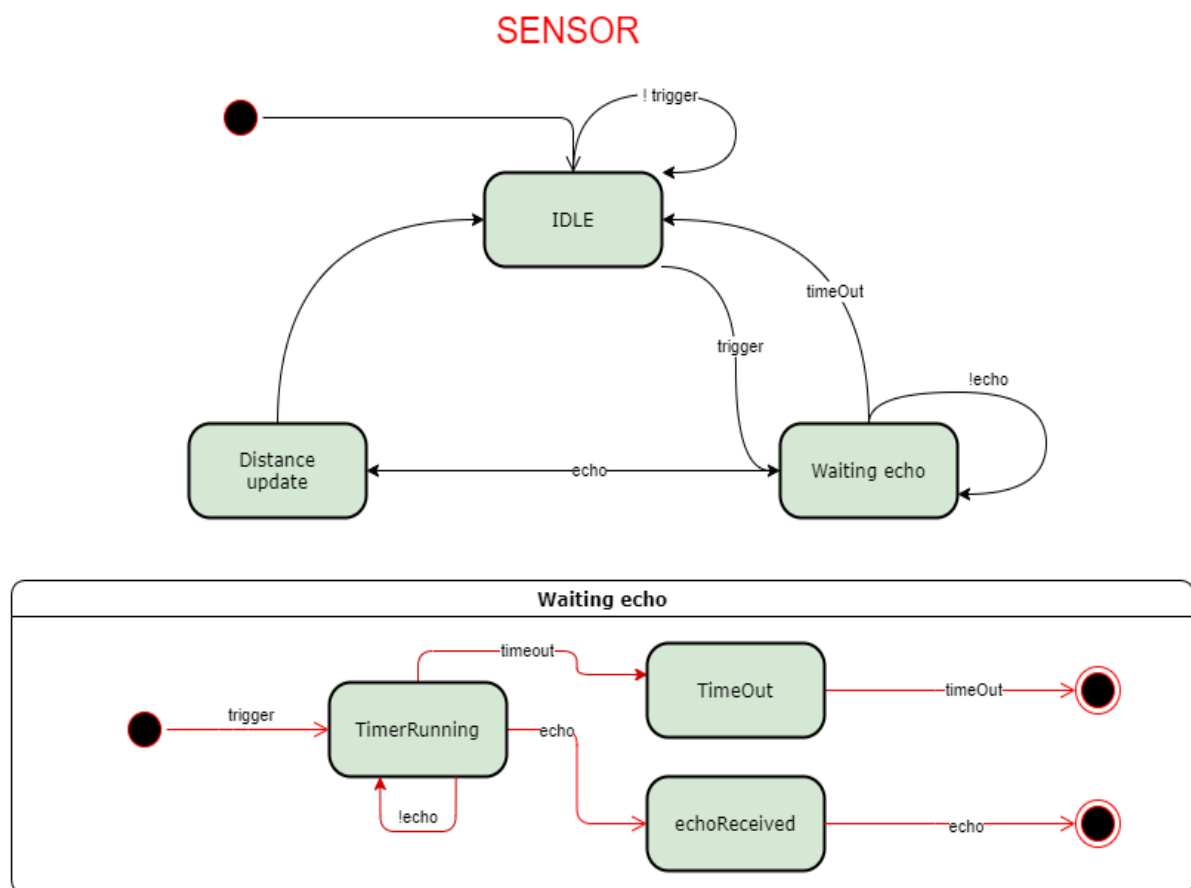


B - Control module State machine

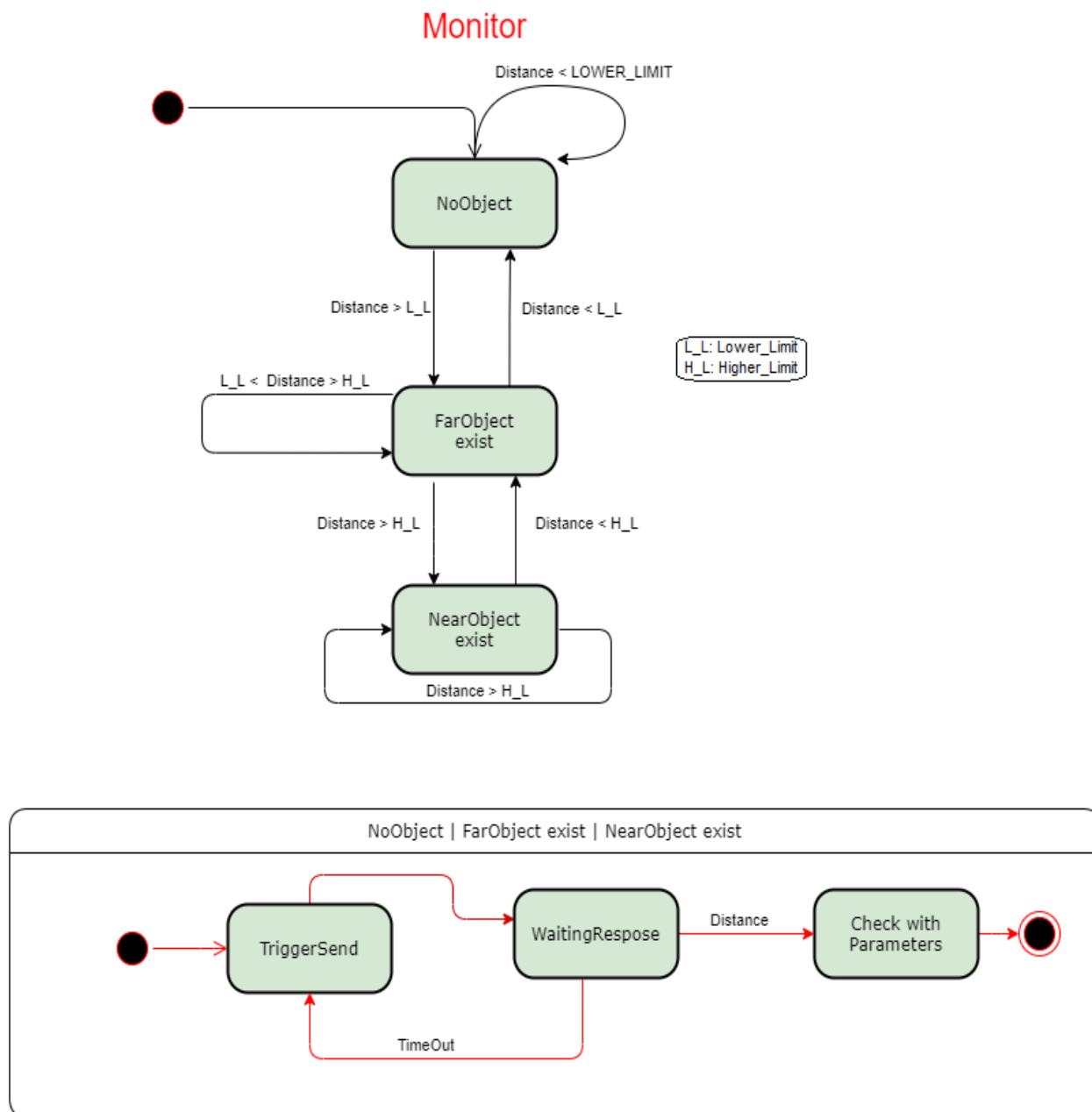


C – Monitor Stack State machines

1: Sensor module:



2: Monitor state machine



D - Sequence diagram to show the difference between control events when the object is exist and when not.

