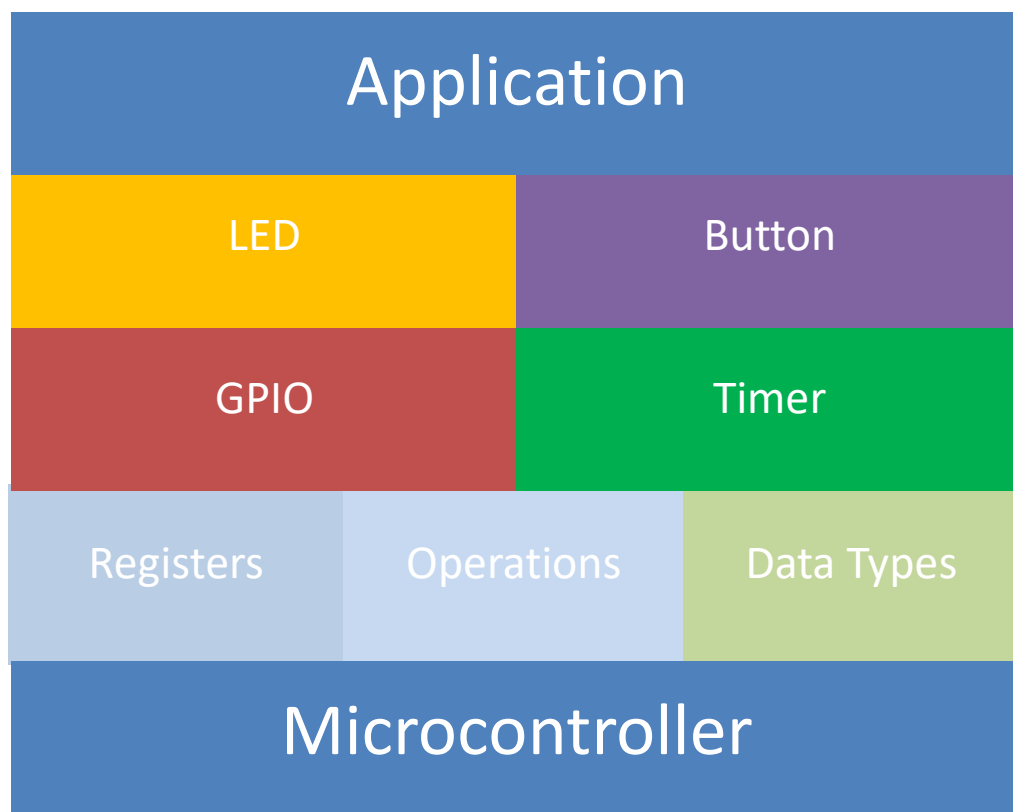
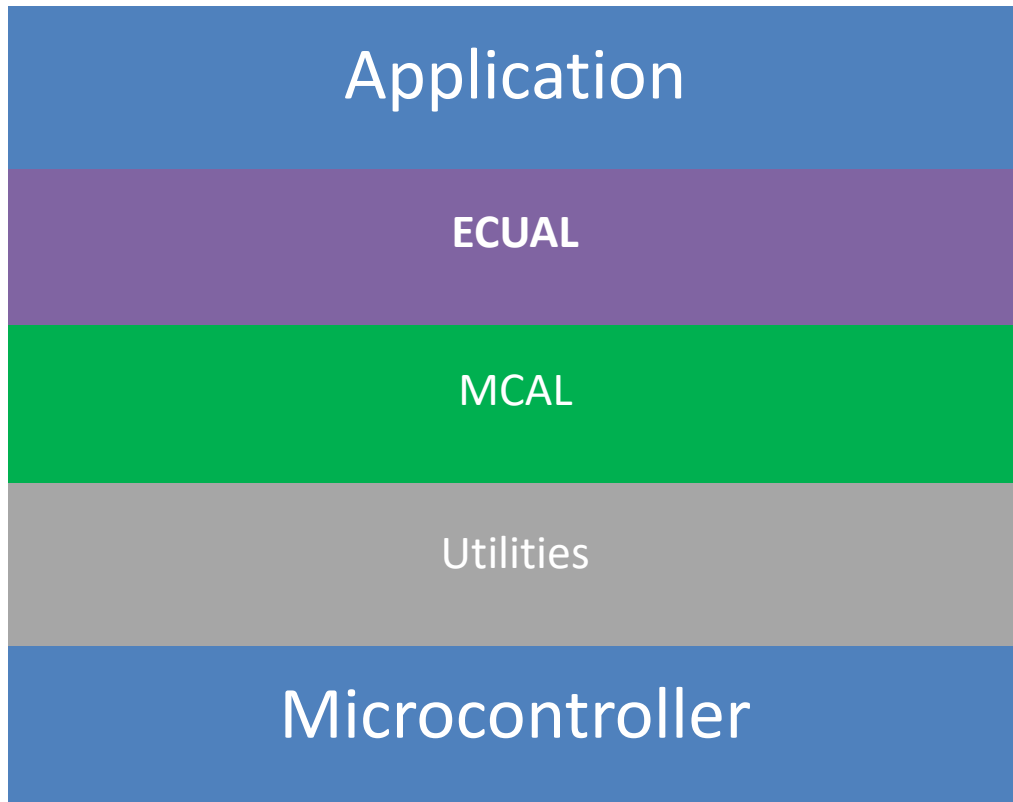


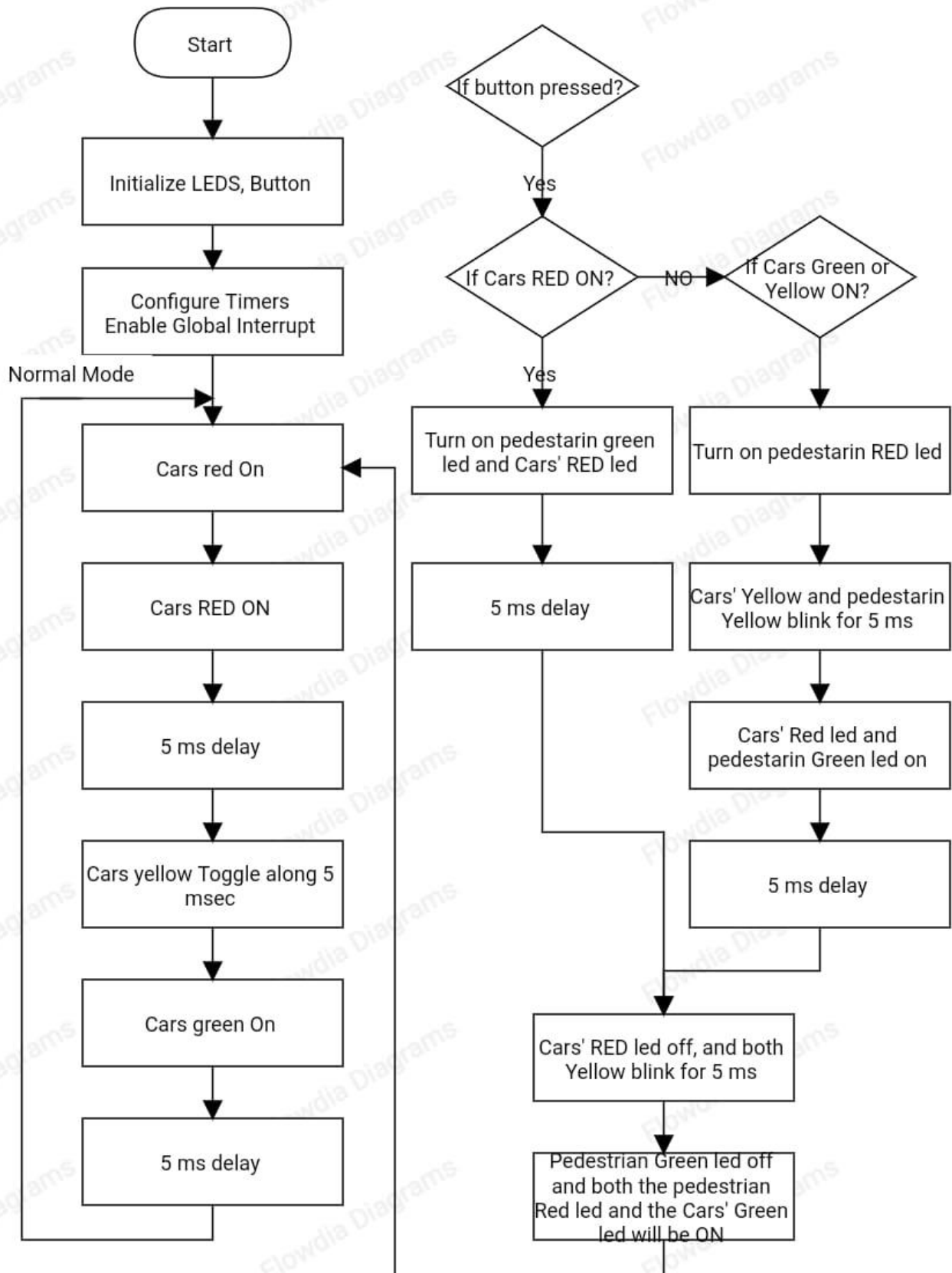
1System Description

system aim to manage traffic, by using set of leds with specific colors for indecation, so system functionality is if person pressed button traffic ligths changs from normal mode to pedestrian.

2System Design



3System Flow Chart



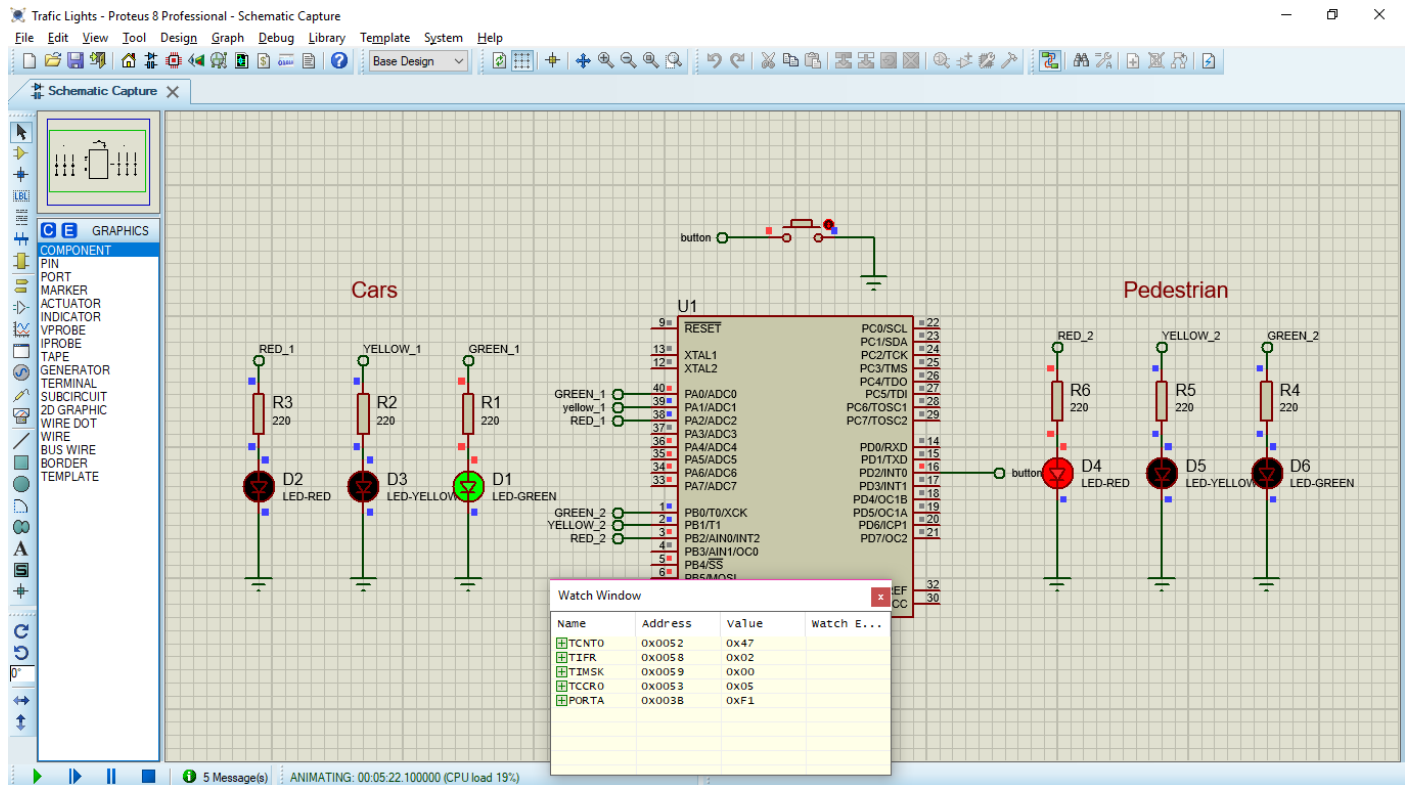
Return to normal mode

5 System Constraints

There is only one button on one side of the road, in real life must be there one button in each sides, to allow people cross road in any direction.

Period which any led stay on which is 5m, in real must this period be greater

6 Proteus Simulation



5 System Design

HW used

MCU: atmega32

6LEDs for Cars, and pedestrian

Button to change mode of operation