## LedApp Notes

The Classes/Test-functions have been separated into different files:

- the abstract class Led is defined into Led.h/cpp file; from specification requirement, few additional members have been added (the object name with his Getter method);
- the concrete class LedWindows is defined into LedWindows.h/cpp file (few additional members have been added like the led
  port number and the static object counter). For simplicity there isn't any saturation control on this static object counter member
  (usedLedNum)
- TestLed, Init and Run functions are defined into TestLed.h/cpp file and called by main (inside LedApp.cpp). The TestLed
  module uses support static functions (testSwitchOn, testSwitchOff and testToggle) to perform the unit test;
- In the Run function: is implemented also a display menu, when the user press -h key;
- In the Run function: the led toggling (last key pressed is 't) is stopped if any other key is pressed (also invalid key)

Here below a Test Console Output example:

```
Console di debug di Microsoft Visual Studio
Single led Test start
Led_A switch ON test pass
Led_A: switched OFF
.ed_A switch OFF test pass
ed_A: switched ON
_ed_A Toggle test pass
_ed_A: switched OFF
Led_A Toggle test pass
Led_A: switched OFF
 ed_A switch OFF test pass
ed A: switched ON
ed_A Toggle test pass
Led_A: switched OFF
Led_A Toggle test pass
 ed_A: switched OFF
ed_B: switched ON
.ed_C: switched ON
e Exit
h Print this menu
f Switch off both led
n Switch on both led
t Set led 1 opposite to led 2
Led_B: switched OFF
Led_C: switched OFF
Led_B: switched ON
 ed_C: switched ON
.ed_B: switched OFF
.ed_B: switched ON
.ed_C: switched OFF
.ed_B: switched OFF
 ed_C: switched ON
ed B: switched ON
 ed_C: switched OFF
.ed_B: switched OFF
.ed_C: switched ON
Invalid option!
lenu options:
h Print this menu
f Switch off both led
n Switch on both led
t Set led 1 opposite to led 2
.ed_C: switched OFF
ed B: switched OFF
 :\Users\Federico\source\repos\LedApp\Debug\LedApp.exe (processo 1928) terminato. Codice restituito: 0
 remere un tasto qualsiasi per chiudere questa finestra..
```