

Lab number: _____

Last Name: _____ First Name: _____

Last Name: _____ First Name: _____

TA: _____ Section: _____

(5) **Opening Comments** (-1 for each mistake up a minimum of 0). Score: _____

- File Name
- Author(s)
- Initial Creation Date
- Description
- Lab Number.
- TA
- Date of last revision
- Hardware Configuration (which TM4C123 pin is connected to what external hardware)

(5) **Naming Conventions** (-1 for each mistake down to a minimum of 0). Score: _____

names have inherent meaning and type.

E.g., **BufferPt letter ModeFlag dataCnt**

-1 for every variable named **temp**

constants are all capitals. E.g., **NAME**

local variable begin with lower case, no underline. E.g., **name**

private global variables begin with upper case, no underline. E.g., **Name**

public global variables have underline. E.g., **module_Name**

private functions, no underline. E.g., **operation() Operation()**

public functions have underline. E.g., **module_Operation()**

initialization rituals have **init** or **open** the name. E.g., **TimerInit() LCD_Open()**

(5) **Function descriptions** (-1 for each mistake down to a minimum of 0). Score: _____

What the function does, to be read by the client

Input parameters

Output parameters

Error conditions or limitations

If a public function, place in both C and H files

If a private function, place in only in C file

(5) **Code structure** (-1 for each mistake down to a minimum of 0). Score: _____

All **if else do while for switch** have braces **{ }**

2-space indenting, no tabs

no line more than 80 characters wide (printout must fit on a single line)

proper use of modularity to enhance ease of understanding (-2)

usually there should be no backward jumps in interrupt service routines (-5)

appropriate use of **short** vs **int** (can be used for true/false or numbers from 0 to 10)

we are not going to take off for spaces in and around punctuation

Total: _____