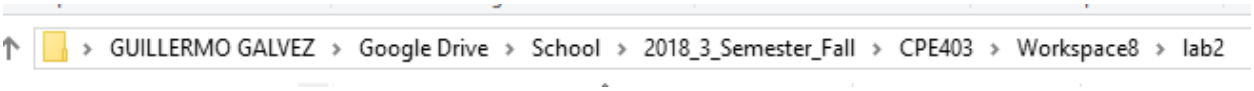
Guillermo Gálvez

Github root directory:(https://github.com/galveg1/VMs_House-of-Fun-Or-Pain.git)

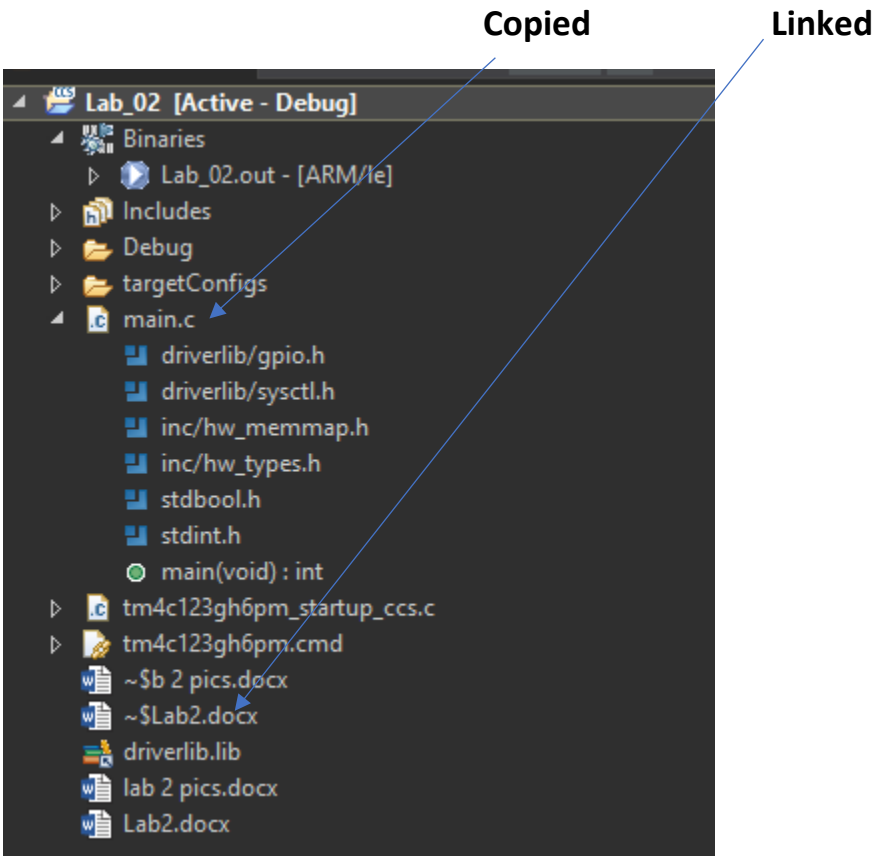
Date Submitted: **09.24.2018**

Task 00: *Folder Structure for the Labs*

Youtube Link: N/A



Task 01: Create a New CCS Project & Add files to your project

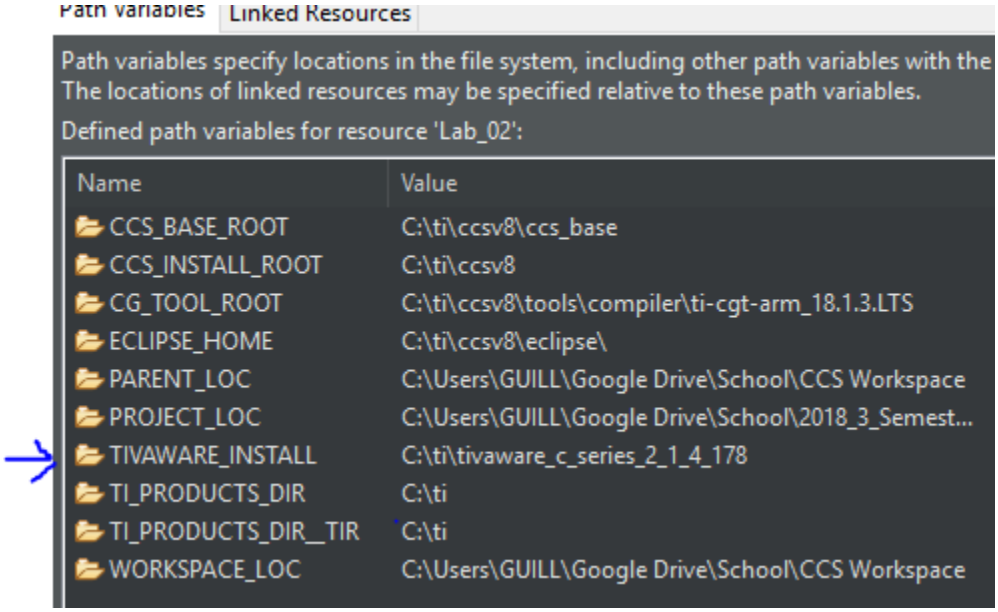


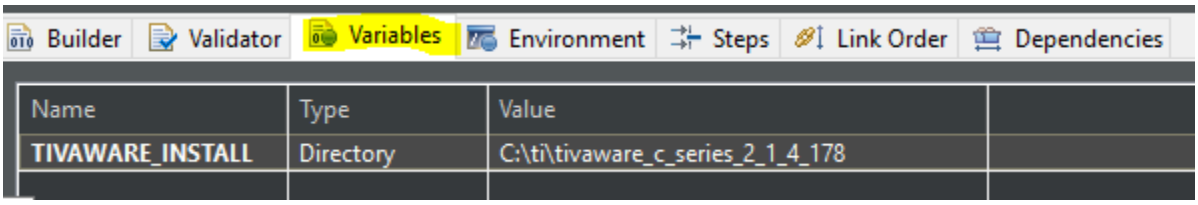
Grading scheme: 30% Coding, 30% Documentation, 40% Execution/Video.

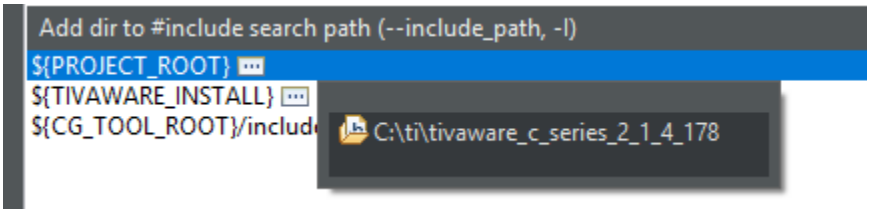
Github root directory:(https://github.com/galveg1/VMs_House-of-Fun-Or-Pain.git)

Task 02: Add Path and Build Vars

Youtube Link: N/A







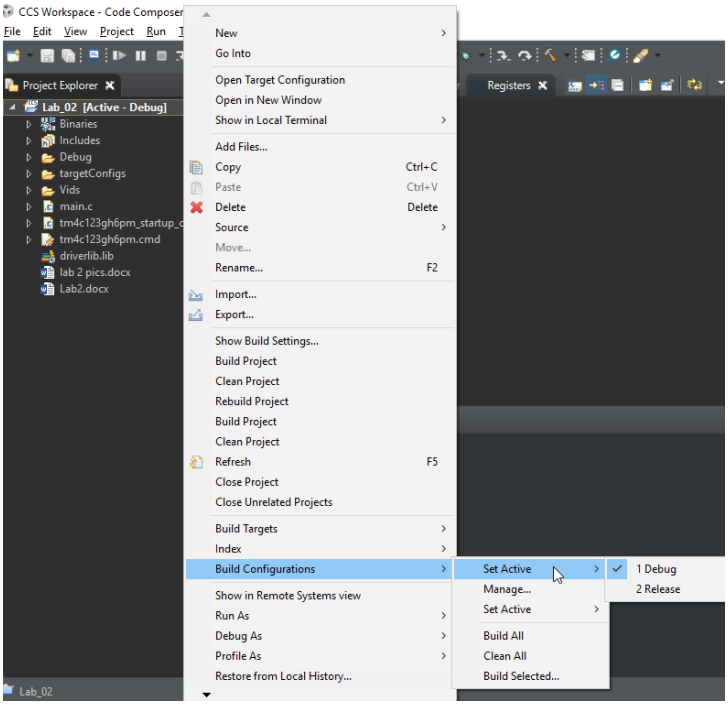
Grading scheme: 30% Coding, 30% Documentation, 40% Execution/Video.

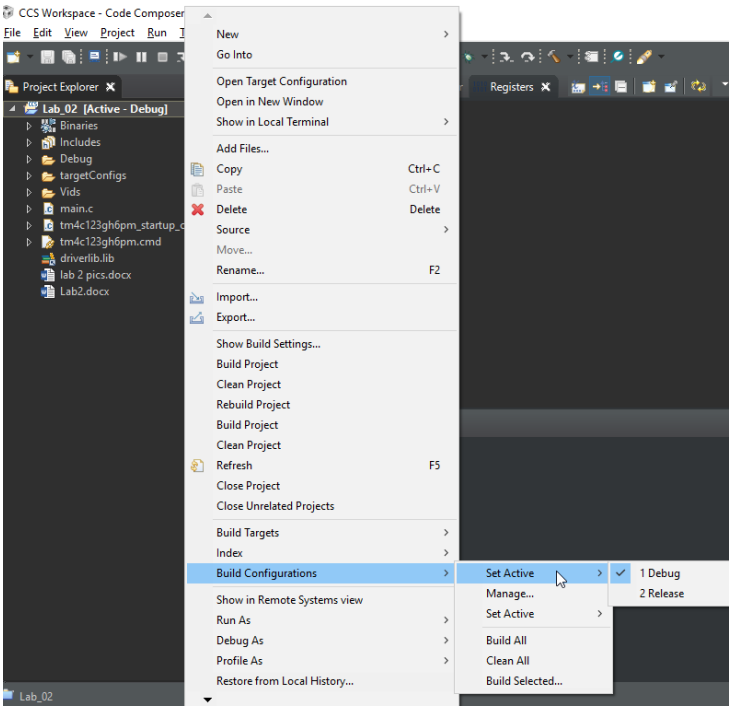
Guillermo Gálvez

Github root directory:(https://github.com/galveg1/VMs_House-of-Fun-Or-Pain.git)

Task 03: Explore Build Configs

Youtube Link: N/A





Grading scheme: 30% Coding, 30% Documentation, 40% Execution/Video.

Guillermo Gálvez

Github root directory:(https://github.com/galveg1/VMs_House-of-Fun-Or-Pain.git)

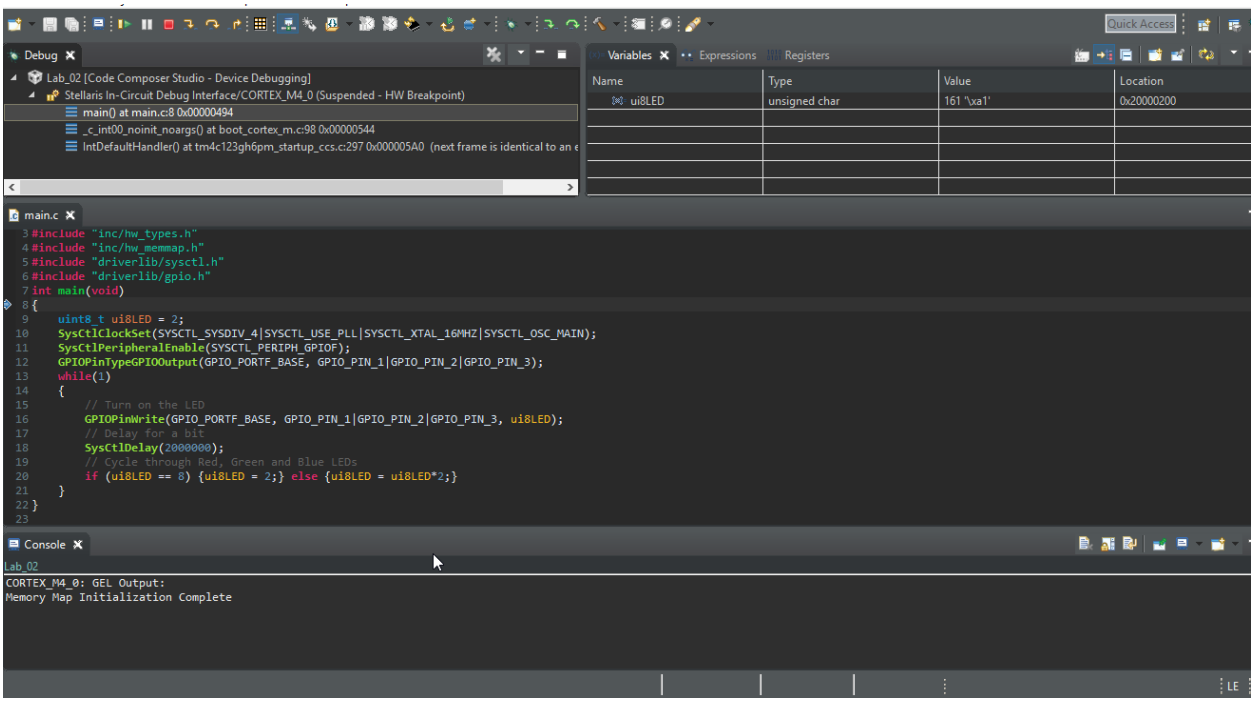
Task 04: Build, Load, Run, provided code, registers

Youtube Link: https://youtu.be/2HKztp0etHE

Youtube Link: https://youtu.be/27QJHZ9vo9w

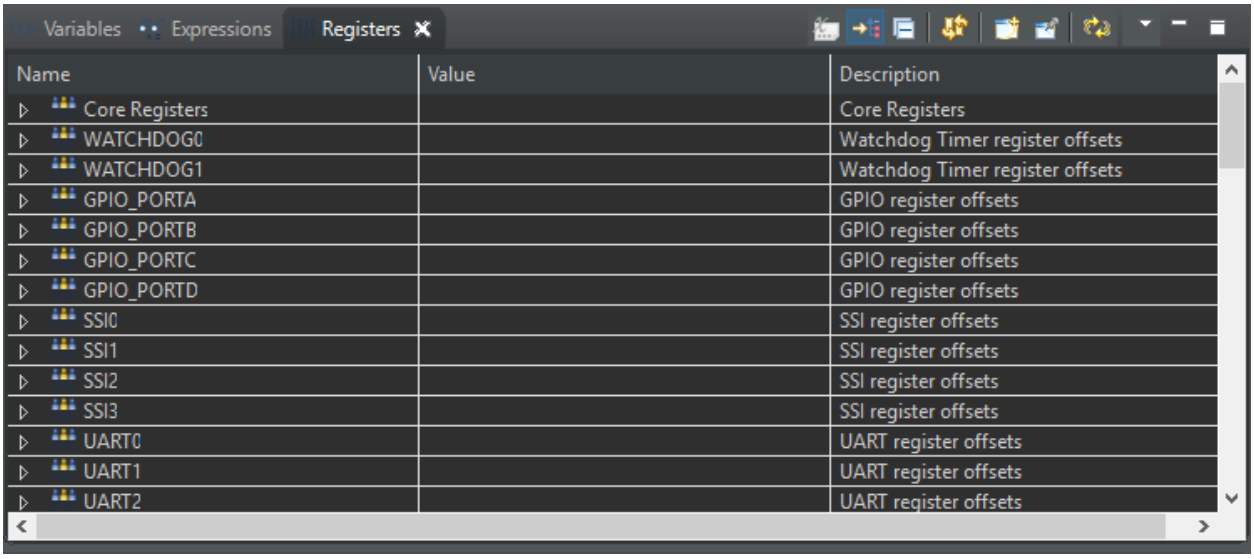
```
Console  Debug
CDT Build Console [Lab_02]
Invoking: ARM Linker
"C:/ti/ccsv8/tools/compiler/ti-cgt-arm_18.1.3.LTS/bin/armcl" -mv7M4
--code_state=16 --float_support=FPv4SPD16 -me --define=ccs="ccs"
--define=PART_TM4C123GH6PM -g --gcc --diag_warning=225 --diag_wrap=off
--display_error_number --abi=eabi -z -m"Lab_02.map" --heap_size=0
--stack_size=512 -i"C:/ti/ccsv8/tools/compiler/ti-cgt-arm_18.1.3.LTS/lib"
-i"C:/ti/ccsv8/tools/compiler/ti-cgt-arm_18.1.3.LTS/include" --reread_libs
--diag_wrap=off --display_error_number --warn_sections
--xml_link_info="Lab_02_linkInfo.xml" --rom_model -o "Lab_02.out"
"./main.obj" "./tm4c123gh6pm_startup_ccs.obj"
"C:/ti/tivaware_c_series_2_1_4_178/driverlib/ccs/Debug/driverlib.lib"
"../tm4c123gh6pm.cmd"  -llibc.a
<Linking>
Finished building target: "Lab_02.out"

"C:/ti/ccsv8/utils/tiobj2bin/tiobj2bin" "Lab_02.out" "Lab_02.bin"
"C:/ti/ccsv8/tools/compiler/ti-cgt-arm_18.1.3.LTS/bin/armofd"
"C:/ti/ccsv8/tools/compiler/ti-cgt-arm_18.1.3.LTS/bin/armhex"
"C:/ti/ccsv8/utils/tiobj2bin/mkhex4bin"
```



Grading scheme: 30% Coding, 30% Documentation, 40% Execution/Video.

Github root directory:(https://github.com/galveg1/VMs_House-of-Fun-Or-Pain.git)



Modified Schematic (N/A):

Modified Code:

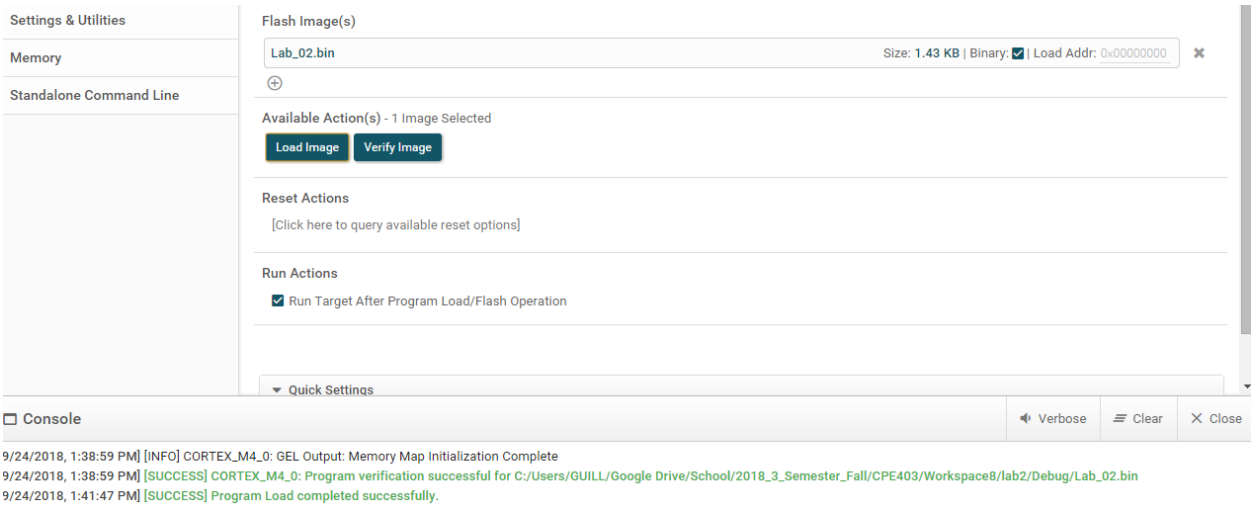
```
// Insert code here
#include <stdint.h>
#include <stdbool.h>
#include "inc/hw_types.h"
#include "inc/hw_memmap.h"
#include "driverlib/sysctl.h"
#include "driverlib/gpio.h"
int main(void)
{
	uint8_t ui8LED = 2;
	SysCtlClockSet(SYSCTL_SYSDIV_4|SYSCTL_USE_PLL|SYSCTL_XTAL_16MHZ|SYSCTL_OSC_MAIN);
	SysCtlPeripheralEnable(SYSCTL_PERIPH_GPIOF);
	GPIOPinTypeGPIOOutput(GPIO_PORTF_BASE, GPIO_PIN_1|GPIO_PIN_2|GPIO_PIN_3);
	while(1)
	{
		// Turn on the LED
		GPIOPinWrite(GPIO_PORTF_BASE, GPIO_PIN_1|GPIO_PIN_2|GPIO_PIN_3, ui8LED);
		// Delay for a bit
		SysCtlDelay(2000000);
		// Cycle through Red, Green and Blue LEDs
		if (ui8LED == 8) {ui8LED = 2;} else {ui8LED = ui8LED*2;}
	}
}
```

Grading scheme: 30% Coding, 30% Documentation, 40% Execution/Video.

Github root directory:(https://github.com/galveg1/VMs_House-of-Fun-Or-Pain.git)

Task 05: Create bin file use standalone programming GUI

Youtube Link: https://youtu.be/o51NQsXM0BQ



Grading scheme: 30% Coding, 30% Documentation, 40% Execution/Video.