

Projects - Header files x **Services** **Files** **Classes**

- Header files
 - system.h
 - user.h
- Important Files
 - Makefile
 - legal_disclaimer.txt
 - project_information.txt
- Source Files
 - configuration_bits.c
 - interrupts.c
 - main.c
 - system.c
 - TYGuessingGame.asm
 - user.c
- Libraries
- Loadables

project.group x guess_stimuli_Spring2022.sbs x TYGuessingGame.asm x

Asm Source History

```
64      movwf    w_temp      ; save off current W register contents
65      movf     STATUS,w    ; move status register into W register
66      movwf    status_temp ; save off contents of STATUS register
67
68
69      ; isr code can go here or be located as a call subroutine elsewhere
70
71
72      movf     status_temp,w ; retrieve copy of STATUS register
73      movwf    STATUS      ; restore pre-isr STATUS register cont
74      swapf    w_temp,f    ; restore pre-isr W register contents
75      swapf    w_temp,w    ; restore pre-isr W register contents
76      retfie   ; return from interrupt
77
```

TYFinal - Dashboard x **TYGuessingGame.asm - Navigator**

TYFinal

- Project Type: Application - Configuration: HT_PIC16F54
- Device
 - PIC16F54
 - Checksum: Blank, no code loaded
 - CRC32: Hex file unavailable
- Packs
 - PIC16Fxxx_DFP (1.3.42)
- Compiler Toolchain
 - hi-tech-piccc (v9.83) [/Applications/Hi-TECH/piccc/9.83/bin]
 - Production Image: Optimization:
- Memory
 - Usage Symbols disabled. Click to enable Load Symbols.
 - Data 25 (0x19) bytes
 - Program 512 (0x200) words
- Debug Tool
 - Simulator

Stimulus x **Output**

Asynchronous Pin/Register Actions Advanced Pin/Register Clock Stimulus Register Injection

Time Units ms ☐ Repeat from action: Wait between repeats:

Time	RB3	RB2	RB1	RB0	Click here to add/remove signals
2700	0	1	0	0	
3200	0	0	0	0	
4500	1	0	0	0	
5300	0	0	0	0	
7400	0	0	1	1	
9600	0	0	0	0	

Synchronous stimulus applied successfully.

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```

54      s2      equ B'00000010'
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56      s4      equ B'00001000'
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58      ;*****
59      ORG      0x000      ; processor reset vector
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62
63      ORG      0x004      ; interrupt vector location
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Stimulus x **Output**

Asynchronous Pin/Register Actions Advanced Pin/Register Clock Stimulus Register Injection

Fire	Pin	Action	Value	Units	Comments
	RB0	Pulse Low		1 cyc	
	RB1	Pulse Low		1 cyc	
	RB2	Pulse High		1 cyc	
	RB3	Pulse High		1cyc	Optional comment here.

Synchronous stimulus applied successfully.

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Stimulus x **Output**

Asynchronous Pin/Register Actions Advanced Pin/Register Clock Stimulus Register Injection

Label	Reg/Var	Trigger	PC Value	Width	Data Filename	Wrap	Format	Comments
PORTA	PORTA	Demand		2		Yes	Hex	

Synchronous stimulus applied successfully.

MPLAB X IDE v6.00 - TYFinal : HT_PIC16F54

File Edit View Navigate Source Refactor Production Debug Team Tools Window Help

HT_PIC16F54

PC: 0x0 z dc c : W:0x0 : bank 0 How do I? Keyword(s)

Projects - Header files x Services Files Classes

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Stimulus x Output

Asynchronous Pin/Register Actions Advanced Pin/Register Clock Stimulus Register Injection

Label	Reg/Var	Trigger	PC Value	Width	Data Filename	Wrap	Format	Comments
PORTB	PORTB	Demand		2		Yes	Hex	

Synchronous stimulus applied successfully.

85:16 | INS



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Source History

```
51 &
52 ## ADVPINREGACTIONS
53 --
54 &
55 --
56 COND1
57 Any
58
59
60
61 0
62 cyc
63
64 --
65 &
```

TYFinal - Dashboard x TYGuessingGame.asm - Navigator

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Stimulus Output x

Configuration Loading Message x Configuration Loading Error x Trace/Profiling x Simulator x

```
E9803-SCL: Redefined id PORTA. line(62)
E9803-SCL: Redefined id PORTA. line(62)
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MPLAB X IDE v6.00 - TYFinal : HT_PIC16F54

File Edit View Navigate Source Refactor Production Debug Team Tools Window Help

Search (Ctrl+I)

HT_PIC16F54

PC: 0x0 z dc c : W:0x0 : bank 0

How do I? Keyword(s)

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Stimulus x Output

Asynchronous Pin/Register Actions Advanced Pin/Register Clock Stimulus Register Injection

Define Triggers

Enable	Condition	Type	Re-Arm Delay	Click here to add/remove signals
<input checked="" type="checkbox"/>	COND1	Cont	1cyc	

Define Conditions

Condition	When	When Changed	Wait	Comments
COND1	Any		0 cyc	

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