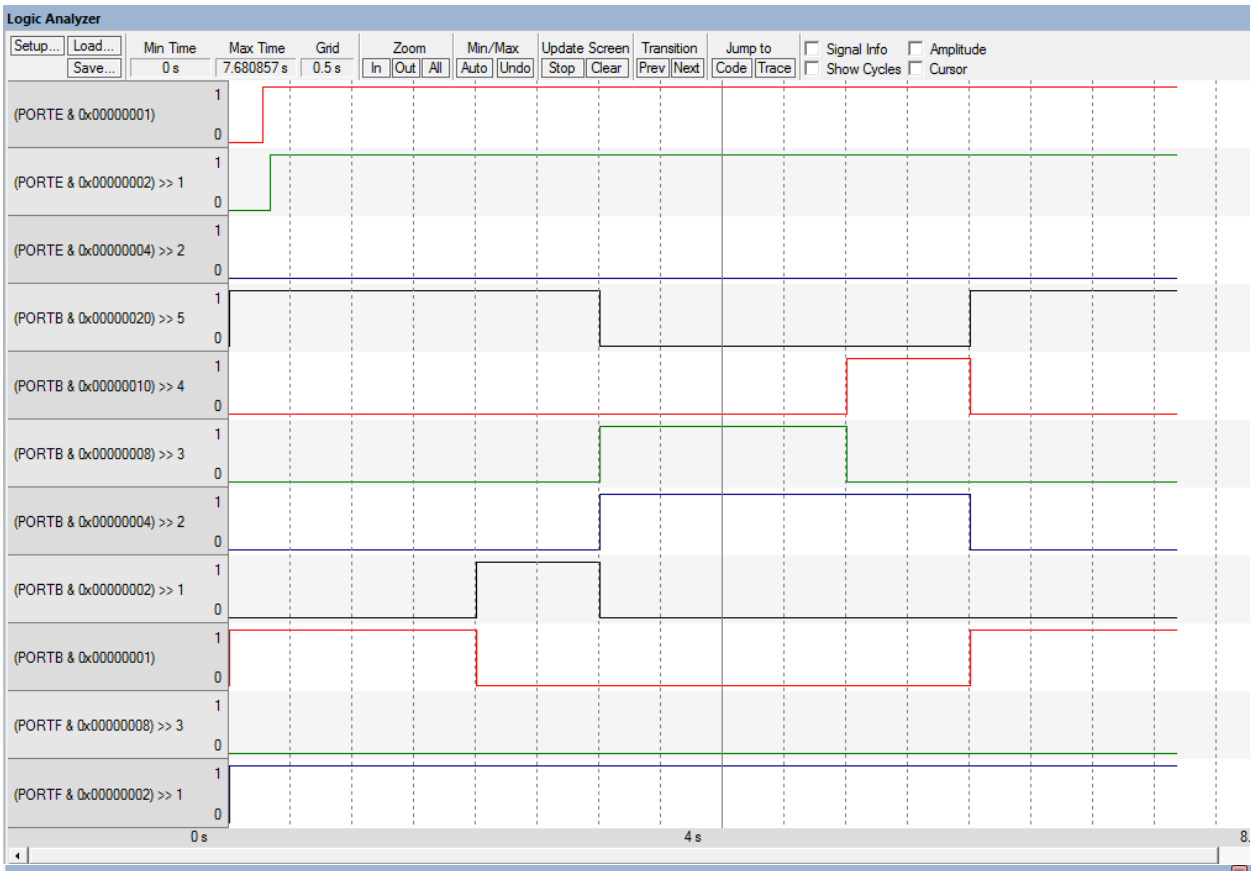
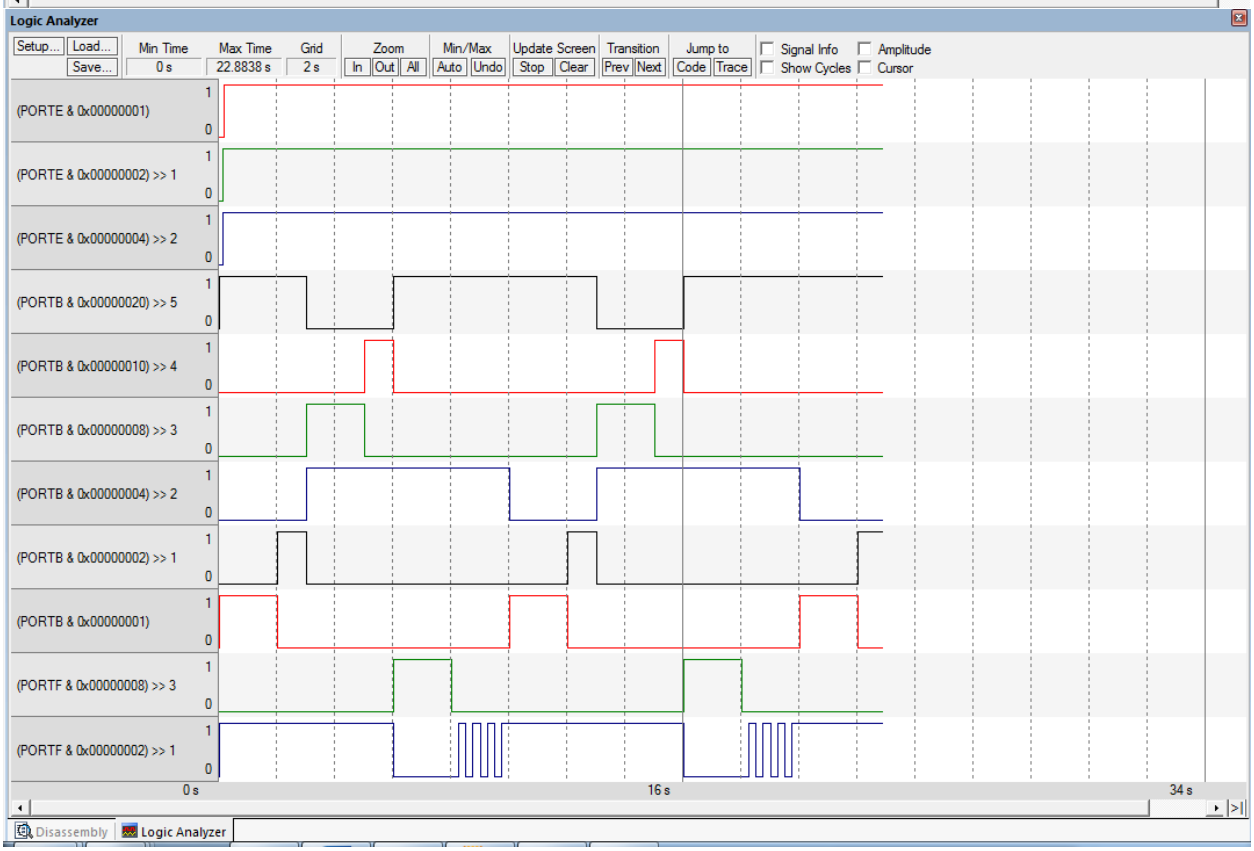
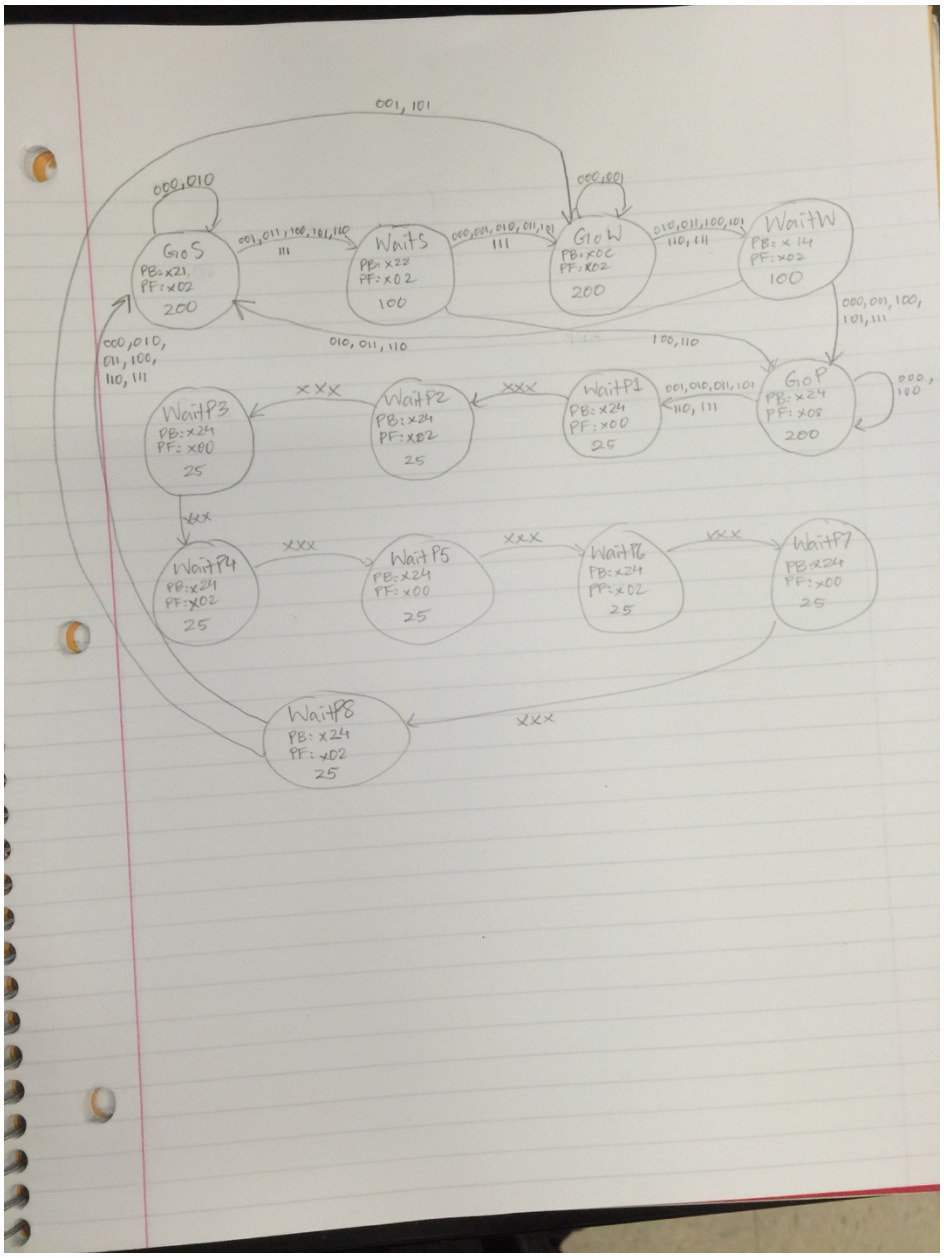
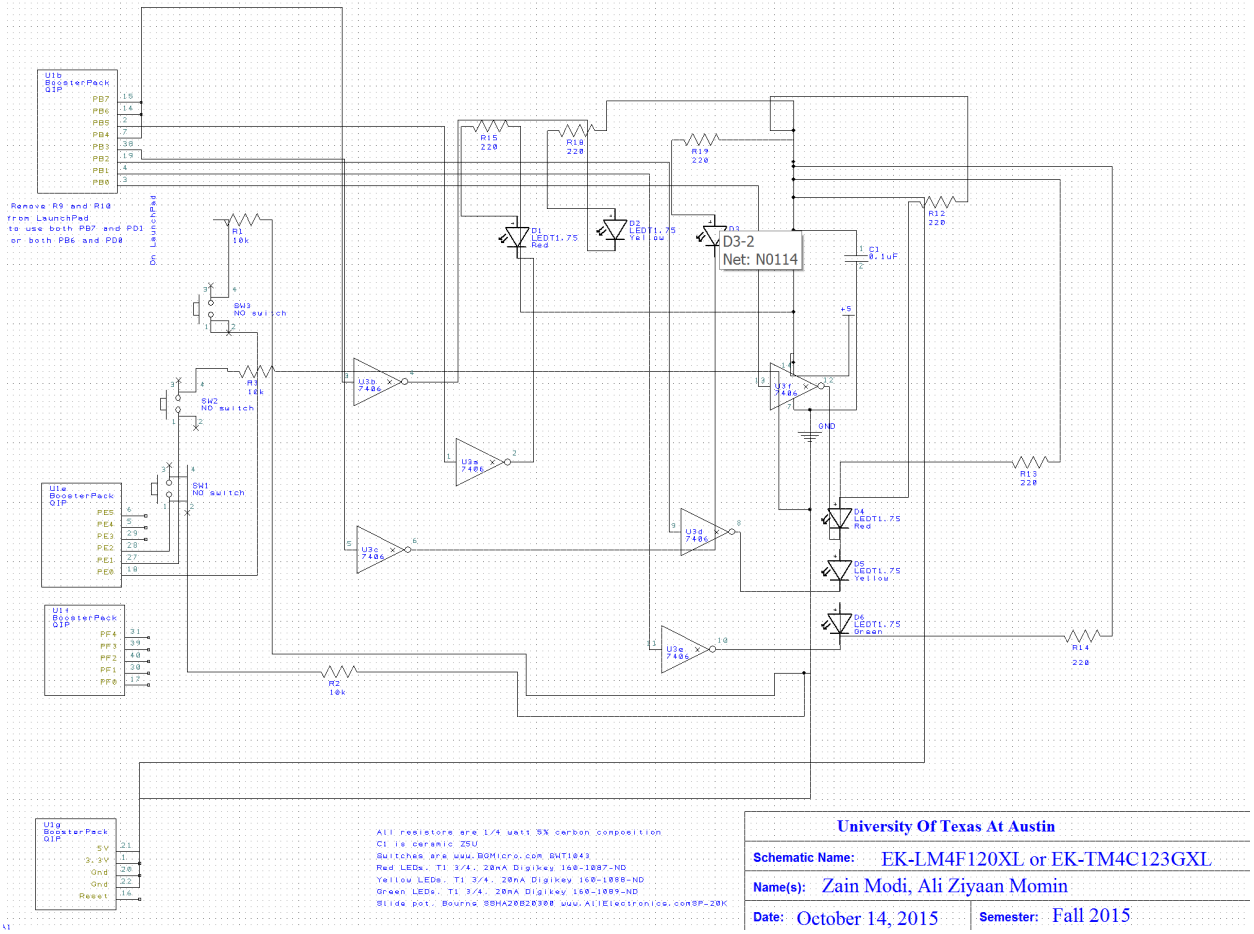

Logic Analyzer
Setup... Load... Save...
Min Time 0 s
Max Time 7.680857 s
Grid 0.5 s
Zoom In Out All
Min/Max Auto Undo
Update Screen Stop Clear
Transition Prev Next
Jump to Code Trace
Signal Info
Show Cycles
Amplitude
Cursor
(PORTE & 0x00000001)
(PORTE & 0x00000002) >> 1
(PORTE & 0x00000004) >> 2
(PORTB & 0x00000020) >> 5
(PORTB & 0x00000010) >> 4
(PORTB & 0x00000008) >> 3
(PORTB & 0x00000004) >> 2
(PORTB & 0x00000002) >> 1
(PORTB & 0x00000001)
(PORTF & 0x00000008) >> 3
(PORTF & 0x00000002) >> 1
0 s
4 s


Logic Analyzer
Setup... Load... Save...
Min Time 0 s
Max Time 22.8838 s
Grid 2 s
Zoom In Out All
Min/Max Auto Undo
Update Screen Stop Clear
Transition Prev Next
Jump to Code Trace
Signal Info
Show Cycles
Amplitude
Cursor
(PORTE & 0x00000001)
(PORTE & 0x00000002) >> 1
(PORTE & 0x00000004) >> 2
(PORTB & 0x00000020) >> 5
(PORTB & 0x00000010) >> 4
(PORTB & 0x00000008) >> 3
(PORTB & 0x00000004) >> 2
(PORTB & 0x00000002) >> 1
(PORTB & 0x00000001)
(PORTF & 0x00000008) >> 3
(PORTF & 0x00000002) >> 1
0 s
16 s
34 s
Disassembly
Logic Analyzer


001, 101
000,010
GoS
PB: x21
PF: x02
200
001,011,100,101,110
111
WaitS
PB: x22
PF: x02
100
000,001,010,011,101
111
000,001
GoW
PB: x0C
PF: x02
200
010,011,100,101
110, 111
WaitW
PB: x14
PF: x02
100
000,001,100,
101,111
000,010,
011,100,
110,111
010, 011, 110
100,110
GoP
PB: x24
PF: x08
200
000,
100
001,010,011,101
110, 111
WaitP1
PB: x24
PF: x00
25
xxx
WaitP2
PB: x24
PF: x02
25
xxx
WaitP3
PB: x24
PF: x00
25
xxx
WaitP4
PB: x24
PF: x02
25
xxx
WaitP5
PB: x24
PF: x00
25
xxx
WaitP6
PB: x24
PF: x02
25
xxx
WaitP7
PB: x24
PF: x00
25
xxx
WaitP8
PB: x24
PF: x02
25



All resistors are 1/4 watt 5% carbon composition
C1 is ceramic 25V
Switches are www.BGMicro.com BWT1043
Red LEDs. T1 3/4. 20mA Digikey 160-1087-ND
Yellow LEDs. T1 3/4. 20mA Digikey 160-1088-ND
Green LEDs. T1 3/4. 20mA Digikey 160-1089-ND
Slide pot. Bourns SSHA20B2B30B www.AllElectronics.com SP-20K

University Of Texas At Austin			
Schematic Name:	EK-LM4F120XL or EK-TM4C123GXL		
Name(s):	Zain Modi, Ali Ziyaan Momin		
Date:	October 14, 2015	**Semester:**	Fall 2015