Digital Systems Project #1: VGA System

Submission form revision September 5, 2025

RealDigital
www.realdigital.org

I am submitting my own work, and I accept that penalties will be assessed against me if I submit work that isn't mine.	Point Scale
	4: Exemplary
	3: Complete
	2: Incomplete
	1: Minor effort
Print Name Sign Name Date Asst. Signature	0: Not submitted

Circle one column below and modify earned scores accordingly

Weeks Early / Late	-2	-1	0	1	2	3	4	5	6+
Requirements Points	+10	+5	0	-4	-9	-13	-17	-20	-24
Challenges Points	+8	+4	0	-5	-10	-14	-17	-20	-24

Requirements	Wt	Pt	Score	Possible	Earned
1. Parameterized counter	2				
2. Use the clock wizard	2			72	
3. Use the ILA	2				
4. VGA Sync generator	4				
5. Display a crosshair pattern	4			Modify earned scores by submission week according to table above.	
6. Display a box	4				

Challenges	Wt	Pt	Score	Possible	Earned
1. Control background color	3				
2. Move crosshair lines	3				
3. Move the box	4			68	
4. Control the box or crosshair	4				
5. Debounce the inputs	3				