7 Digital Design Project #7: Latches and Flip-flops

Submission form revision September 5, 2025

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

	-3	-2	-1	0	1	2	3	4	5+
Weeks Early / Late	-3	-2	-1	0	1	2	3	4	5+
Requirements Points	+12	+8	+4	0	-5	-10	-15	-20	-25
Challenges Points	+3	+2	+1	0	-1	-2	-3	-4	-5

Requirements	Wt	Pt	Score	Possible	Earned
1. Implement a NAND basic cell	1				
2. Implement a NOR basic cell	1			52	
3. Design a D-latch	2				
4. PIPO register	2				
5. PISO register	3			Modify earned scores by submission week according to table above.	
6. SIPO register	2				
7. Homework problems	2				

Challenges				Possible	Earned
1. Barrel Shifter	3			12	